



THE UNIVERSITY OF THE WEST INDIES
MONA CAMPUS, JAMAICA, WEST INDIES



DEPARTMENTAL
REPORTS
2015/2016



UWI
MONA CAMPUS
JAMAICA, WEST INDIES

DEPARTMENTAL REPORTS

2015–2016

REPORT TO CAMPUS COUNCIL, MONA
AND TO COUNCIL
FOR YEAR ENDING JULY 31, 2016

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THE LIBRARY

Mona

Year ending July 31, 2016



PAULETTE KERR

BA, Dip Lib, MA *UWI*, PhD *Rutgers*

Campus Librarian

– Overview –

The 2015/2016 academic year presented the Mona Library with both challenges and triumphs. The acquisition of essential resources was to a large extent hindered by financial limitations. However, several longstanding indebtedness to our information providers and other vendors were addressed. During the challenging times, resilient staff employed much creativity and hard work to ensure that clientele continued to receive quality service. Indeed, the Library was pleased to note that results from the 2016 Student Satisfaction Survey of the Mona Campus revealed that of the six student services that were rated, the Library scored the highest with a mean score of 3.47.

During the year, there was an emphasis on updating the Library's Operational Plan for the 2015–2017 period in keeping with areas of focus in the Mona Campus' Operational Plan and the University's Strategic Plan. A two-day retreat provided staff the opportunity to concentrate their efforts on reviewing the plan and charting the way forward.

Also impacting the outcomes of the planning session were the Campus Librarian's vision and initiatives which were geared towards communicating the value of the Library; engaging in deep collaboration and enhanced partnerships; excellent customer service; purposeful staff development; and planning towards a state-of-the-art Library.

A new initiative, Writer's Wednesday, a joint venture between the Library

and the Writing Centre, was introduced to assist students in honing their writing skills.

On October 1, 2015, the Library introduced “zoning” of its spaces through a launch at the Main Library. Zoning is aimed at differentiating spaces to suit the requirements for different user behaviours. The zones are Orange – Group Work Zone, Green – Quiet Zone, and Red – Silent Zone.

A much needed renovation project began at the Science Branch Library under the auspices of the Mona School of Engineering. At the Main Library renovation work included the replacement of windows in the MERIC Computer Lab, reconstruction of the damaged Canopy, as well as the temporary relocation of the Reprographic Services Unit to a more convenient position for patrons at the front of the Library, formerly occupied by DITTO. The Academic Staff Room was also revitalized after a period of non-availability, and staff are welcome to use the facility.

The Library’s chorale, *Library Notes*, was revived after a long absence and entertained staff and patrons at the Main Library during the yuletide season by singing Christmas carols both inside and outside the Library.

An inaugural *Evening of Poetry and Art*, a collaboration between the Library and celebrated Jamaican Poet and Lawyer residing in the UK, Dave Neita, was held on April 28, 2016 at the Main Library in which Mr Neita revealed the amazing art gallery embedded within the UWI Mona Library and the Campus, and shared his very engaging poetry. Mr Neita subsequently donated two CDs of his poetry to the Library.

The Mona Library continued to initiate and participate in varied outreach initiatives. To further enhance these initiatives, the Library welcomed to its staff, Outreach Librarian, Quemar Rhoden, who was employed to assist with the planning, implementation, and evaluation of public relations and marketing activities that support the value and mission of the Library. His mandate include the implementation and promotion of the UWI Mona Library’s brand, events, initiatives and milestones through web, digital and social channels; and to collaborate with other librarians to develop programmes that engage students and faculty in various forms

of scholarship. In light of this, a Marketing Plan for the 2016/17 year was prepared with a focus on promoting the Library's resources to undergraduates by way of a Library Ambassadors programme.

During the review period, the Library also celebrated the accomplishments of librarians who were honoured both locally and internationally for their research.

The Library bade farewell to two long-serving members of staff during the year. Mr Daniel Williams, Library Assistant II at the Medical Branch Library retired after 40 years at the University. Mrs Janet McCallum, Head of Systems, also retired after 39 years of service. Four new librarians joined the staff – Genevieve Jones-Edman, Sonia Stewart, Antonette Harriott, and Quemar Rhoden, the Outreach Librarian.

As staff members retire, resign or relocate to other departments of the University, the Library recognized the need to formulate a policy on succession planning. In 2015, Senior Librarian, Mrs Frances Salmon, was asked to lead the team in articulating the policy. This is to ensure that the Library has staff with leadership skills at all levels to facilitate seamless succession.

COLLECTION DEVELOPMENT

Despite the financial challenges, the Library added to its collections through gifts and purchases.

Gifts and Purchases

Gifts were received from various individuals including faculty, past students, and well-wishers. Some of the major donors for the year include Dr Avis McDonald, Dr Mirella Ariza Milforte, Professor Mervyn Morris, UNESCO, University of Alberta, Dr Lise Weiner, Dr Cherrell Shelley-Robinson, Ms Kay Dunkley, Ms Abigail Harrison, Mr Oliver Clarke, and Ms Kerida Brice. Donations that were not processed for addition to the collection were either re-routed to other UWI campuses and local colleges, or offered to students on the campus.

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Table 1: Gift items added to the collection 2015–2016

Branches	New Titles	Total Volumes	Audio Visuals	Thesis
Main	657	1,044	15	–
Science	115	175	9	–
Medical	96	132	–	–
WISC	549	630	7	135
Law	29	45	5	–
WJC	53	212	1	–
Total	1,499	2,238	37	135

Table 2: Purchased items added to the collection.

PURCHASES			
Branches	New Titles	Total Volumes	Audio Visuals
Main	154	185	4
Science	23	29	–
Medical	24	32	–
WISC	55	56	–
Law	15	23	–
WJC	24	54	3
E-Books	135	147	–
Total	430	526	7

Table 3: Total Additions to the Collections

Branches	New Titles	Total Volumes	Audio Visuals	Theses
Main	811	1229	19	–
Science	138	204	9	–
Medical	120	164	–	–
WISC	604	686	7	135
Law	44	68	5	–
WJC	77	266	4	–
E-Books	135	147	–	–
Total	1929	2764	44	135

The Reserved Book Collection (RBC) was boosted by the addition of 173 new titles and 65 additional copies. This represents more than 100% increase in the total number of items added to the RBC collection over the previous year. The RBC continues to be the main collection to support courses taught especially at the undergraduate level.

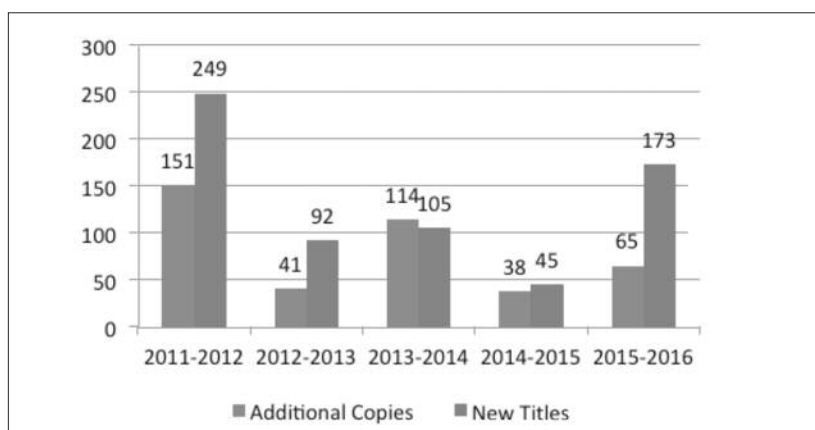


Figure 1. Additions to Reserved Book Collection

Databases and Journals

The Library continued subscriptions to 36 databases. Of note during the year was the addition of a new database, *Written Rastafari Archives Project* (WRAP), acquired through the assistance of Dr Michael Barnett, Senior Lecturer in the Department of Sociology, Psychology and Social Work. This database provides access to Rastafari Ephemeral Collections from the WRAP project. It includes full text articles from newsletters, magazines such as Rasta Voice, Rastafari International News, Rastafari Speaks, JAHUGLIMAN and other Rastafari ephemeral material.

Review of Journal Titles

The Library led an initiative to review Mona's selection of titles from the Science Direct Database. Science Direct is, at present, the most costly database for the UWI Libraries with the Mona Library's contribution being US\$328,968.00 for 2016. Based on discussions with faculties, 28 titles were identified for cancellation in 2017, from a total of 97. These titles are valued at approximately US\$94,444.00. Input in the review process came from librarians from the Medical and Science Branch Libraries as well as the Head of Public Services in the Main Library, with participation, where possible, from faculty members.

Criteria for cancellation were the cost per download (CPD) for each title (downloads ÷ cost of journal) for each year as well as the average CPD for the past two years. The CPD was compared with the cost of alternative solutions for accessing the journal (that is, the cost of inter library loan from other libraries as well as the average cost of purchasing the full text). An average of US\$35.00 was taken as the guide. If the cost per download was higher than the alternative, then the journal was identified for de-selection. Exceptions were made to this criteria in those cases where the Librarian felt that a journal content represented a growing field of study on the campus, or where the librarian was aware of the importance of a particular journal to the faculty despite a high CPD.

As Science Direct represents a shared database subscription among all UWI campuses, the process was replicated on other campuses. However,

there has been a strong response from faculty members in the Faculty of Science and Technology, Mona, who expressed a concern for seeming loss of important material for research.

The Library also undertook an intensive process of rationalizing journal subscriptions towards reducing overall costs. The process which involved cancellation of print journal titles that were either not used for an extended period or were otherwise available in a database, was conducted based on the relatively low usage of print journals. In 2015, 74% of Science individual print journal subscriptions and 23% of Humanities and Social Sciences titles were cancelled resulting in a potential saving of \$113,503.34 to the Campus.

ACCESS TO COLLECTIONS

As part of its strategic objective to increase and improve access to information for teaching and research, the Library undertook various initiatives through its Cataloguing Section, including the provision of metadata to records, retrospective conversion of items not accessible on the OPAC, cataloguing of special collections and uploading of records of already catalogued material to the OPAC, as well as providing access to a backlog of books and audio visual materials.

As a result, approximately 200 electronic texts were edited and exported to the OPAC, with 142 of these bought from EbscoHost. EbscoHost also provided access to some 3,775 e-book classics.

Three hundred and sixty four (364) UWI theses were catalogued and processed between November 2015 and July 2016. The Trevor Rhone and Tanzilo gift collections from the West Indies and Special Collections were catalogued. Under a special project, 130 rare books were placed in special boxes and catalogued, and the records uploaded to ALEPH, while an additional 700 West Indian items were linked to the collection. A total of over 4,410 new items (not inclusive of updates) were added to the OPAC. In addition, subject headings were added to 25 BBC Reports, as well as UWI staff documents for upload to UWISpace, the UWI-wide repository. A total of 2,720 items were rattled for the Main Library

Collection to prevent unauthorized removal of the material from the Library. Approximately 576 items (inclusive of books, periodicals and audio-visuals) were processed for Western Jamaica Campus Library.

Retrospective Conversion

Retrospective conversion of both books and heavily used journals continued. A total of 2,077 issues of journals and 6,300 books have been completed. Retrospective conversion of these materials has facilitated their electronic issuing to library patrons.

USE OF COLLECTIONS

The number of print items issued from the Reserve Book Collection (RBC) during the 2015/2016 academic year totaled 13,643. This represents a 20% decrease over the previous year. Most of the items were issued for overnight loans, which totaled 10,712, approximately 21% less than the 2014/2015 year.

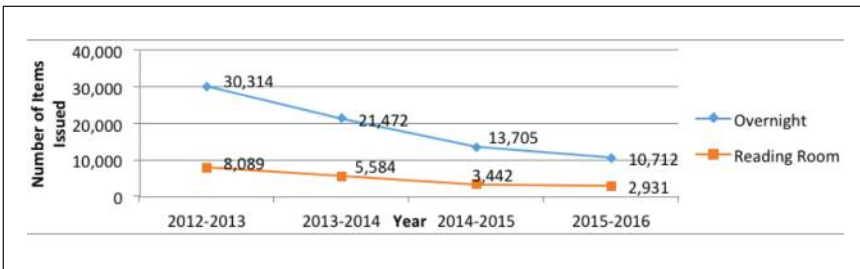


Figure 2. Overnight and Reading Room Issue

The number of open shelf books issued also continued the declining trend, decreasing by approximately 27% from 11,555 in the year 2014/2015 to 8,401 in 2015/2016. This trend is indicative of a global trend in libraries in which demand for e-resources including e-texts and online databases is increasing, while demand for print resources has declined.

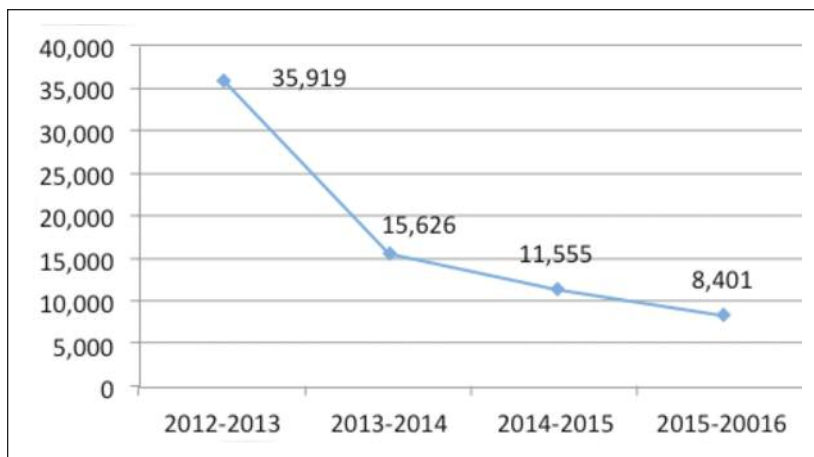


Figure 3. Open Shelf (Print) Issues

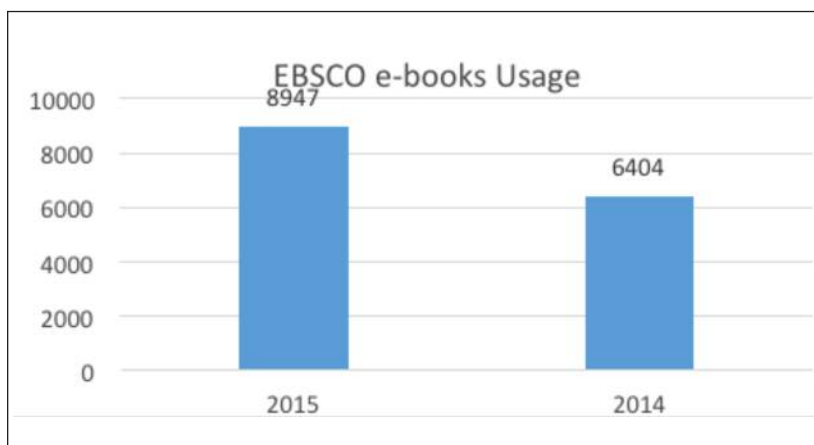


Figure 4. E-books Usage (EBSCO)

There were notable fluctuations with regards to usage of the Library during the extended hours shift. Usage rose sharply during the months leading up to examinations, reached a peak during examination periods, and declined sharply thereafter until the end of each semester.

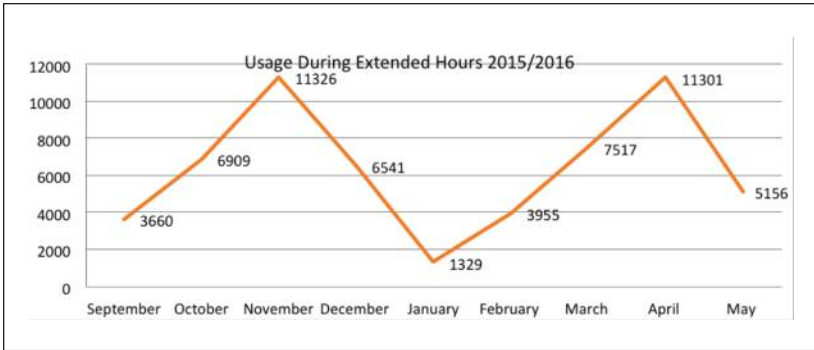


Figure 5. Weekday Usage During Extended Hours Shift

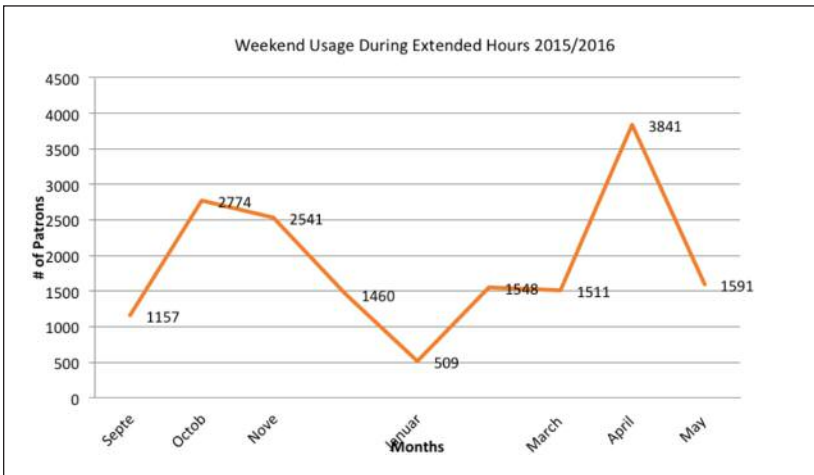


Figure 6. Weekend Usage During Extended Hours Shift

Inter-Library Loan

This service continues to assist Library patrons with access to resources not available in UWI Library. During the review period, the Library met 78% of requests made by Mona Library patrons. However, 80% of the incoming international requests was for non-circulating West Indies and Special Collections (WISC) items which are primarily in print format. These requests were therefore not satisfied, except for these which are on

THE LIBRARY

microfilm. To ensure greater access, digitizing of West Indian materials must be undertaken with urgency.

The Library continued to expand collaborative relationships with institutions that lend and share materials at minimal cost. These include Arizona State University and East Tennessee State University.

Table 4. Inter-library Loan 2014–2016

	2014–2015			2015–2016		
Outgoing Requests	Sent	Filled	Unfilled	Sent	Filled	Unfilled
*Local	15	11	4	-	-	-
Regional	40	32	8	70	55	15
International	12	8	4	10	8	2
TOTAL	67	51	16	80	63	17
Incoming Requests	Received	Filled	Unfilled	Received	Filled	Unfilled
*Local	80	69	11	28	22	6
Regional	50	33	17	35	26	9
International	132	40	92	115	25	95
TOTAL	262	142	120	178	73	110

*Including Western Jamaica Campus

Quality Review of Subject/Department Collections

The Library continued to support the teaching and learning process through the provision of print and online resources which are reviewed periodically by the Academic Quality Review Team. During the period, resources for three departments were reviewed: Life Sciences, Computer Sciences, and Basic Medical Sciences. The Library supported this review process by facilitating an examination of resources (print and online) relevant to the specific disciplines; and participating in an interview component regarding services, spaces, challenges and strengths of the Library. The reviewers expressed general satisfaction with resources and spaces provided, except for Basic Medical Sciences which reported a need for the Library to update its holdings, particularly for the Physical Therapy Programme. There was also some concern regarding access to the various floors of the Library by differently-abled students.

INFORMATION LITERACY

UWI-wide Information Literacy Initiatives

During the period under review, Information Literacy (IL) coordinators/librarians from all four UWI Campuses convened two online meetings to address a range of IL issues such as the implementation of the *new ACRL Information Literacy Framework*, *the UWI Information Literacy course*, and *culturally relevant assessment tools*. The University Librarian subsequently requested a position paper on Information Literacy which is being developed by the Mona Library.

Orientation, UWILinC, Foundation Courses and Specialized Sessions

The Library participated in campus-wide orientation activities for both new and returning undergraduate and postgraduate students at the start of the academic year. In addition, UWILinC training sessions were held at the beginning of each semester during the period September 1–12, 2015 and January 25–30, 2016, to orient students to use of the Library's

resources. A total 233 students attended 26 sessions. Deliberate strategies will be employed to ensure that more students attend these sessions.

The major teaching activity in the Library for the academic year continued to be instruction sessions in Foundation courses across all faculties.

Table 5. Information Literacy Sessions August 2015–July 2016

Main Library, Branches & Outreach	Sessions	Number of Attendees
Main	183	4,282
Law	18	271
Medical	19	1,192
Science	22	277
Western Jamaica campus	56	337
Outreach (WJC)	2	29
Total	300	6,388

E-Resources Fair

The 2016 E-Resources Fair took place on March 3. Again the aim was to promote the use of electronic resources featuring UWILinC and Medical Databases, which were on display. Attendees actively participated in the various workshops and presentations, and some provided positive feedback. The Fair closed with the grand drawing of a prize comprised of a \$5,000 UWI Bookshop voucher which was won by a student from the Faculty of Humanities and Education.

Halls of Residence Librarian Programme

Information literacy training was provided to students on Taylor, ABC, and the Elsa Leo-Rhynie Halls of Residence. Research Rescue, which is a highpoint of the programme, featured librarians going on Hall for a four-hour period to offer one-on-one assistance to students with research papers. This was executed on April 23, 2016 with mixed success.

At the close of Semester II 2016, the Halls of Residence Librarians (HRL) programme was reviewed and it revealed challenges which will be addressed in the coming year.

New IL Initiatives

Writer's Wednesdays

“Writer’s Wednesdays”, a collaborative initiative between the UWI Writing Centre and the Library, commenced at the Writing Centre to allow UWI student writers to benefit from feedback and support of the Writing Centre Staff and Librarians at a central venue. This service was open to all levels of students and for every academic discipline with projects that include writing and research. A representative from both units was available for consultation on allotted Wednesdays from 1:00 pm–4:00 pm.

At any stage in their project, students were able to receive:

- Assistance with citing sources
- Assistance with using online library resources to do research for writing projects
- Assistance in individual and small group consultations about writing assignments.
- Assistance at any level of proficiency to develop effective written communication.

Students were assisted with finding and accessing resources and avoiding plagiarism through the use of their assigned citation style. Twenty-one students were assisted over a 7-week period. More aggressive marketing of the service will be done next year to increase buy-in.

EndNote Thursdays

EndNote Training sessions were offered to both staff and graduate students in the Postgraduate Learning Commons at the Main Library on October 29, 2015 and April 21, 2016.

GRADUATE STUDIES**Thesis Scrutiny and Consultation Support to Graduate Studies**

The Library sustained its working relationship with the Office of Graduate Studies and Research, providing assistance to postgraduate students through face-to-face and email thesis consultations, workshop presentations, and thesis scrutiny. Requests for face-to-face thesis consultations continue to surpass the number of theses sent directly from Graduate Studies for scrutiny. The number of thesis consultations and scrutiny has doubled since the 2013/2014 academic year.

Table 6. Theses Scrutinised/Consulted for the Period August 2015–July 2016

Year Total 2015–2016	Thesis Consultations	Theses Received from Graduate Studies for Scrutiny
156	107	49

Table 7. Theses Scrutinised/Consulted for the Period 2010–2016

Theses	Total					
	2015/ 2016	2014/ 2015	2013/ 2014	2012/ 2013	2011/ 2012	2010/ 2011
Masters	110	103	22	28	43	41
PhD	46	62	40	55	49	53
Total	156	165	62	83	92	94

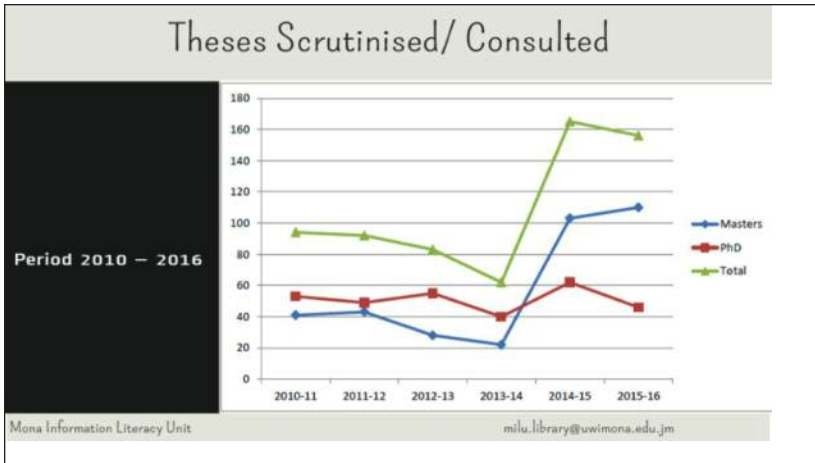


Figure 7. Theses Scrutinized/Consulted 2010–2016

The Library also participated in the Office of Graduate Studies’ and Research MPhil/PhD Thesis Writing Seminars by delivering presentations to graduate students. Librarians also presented at the *Research Supervisors’ Development Course*, on October 8, 2015 under the title “MILU: The Role in the Thesis Submission Process.”

NEW INITIATIVE

Mona Association of Post Graduate Students Thesis Camp

The Mona Association of Postgraduate Students (MAPS) partnered with the UWI Mona Library and the Office of Graduate Studies and Research to organize a Thesis Camp for 2015/2016. The vision for this collaboration was to increase the awareness and promote the use of the Library’s existing resources, especially the Thesis Consultation Service for graduate students. The Thesis Camp 2015/2016 was preceded by a series of workshops, for both students and librarians.

Sessions were conducted as below:

Table 8. Postgraduate Students Thesis Sessions

Dates	Sessions	Parties Involved
September 10 (4pm–7pm)	<i>“Before You Begin”</i> Multifunctional Room (Library)	<ul style="list-style-type: none"> • UWI Ethics Committee. • The Writing Centre. • Office of Graduate Studies & Research • M.A.P.S.
October 17 (10am–2pm)	<i>“Getting Started”</i> MERIC Lab + Multifunctional Room (Library)	<ul style="list-style-type: none"> • The Library (lab session included) • M.A.P.S. • MITS
January 16 (10am–2pm)	<i>“Almost There.”</i> Multifunctional Room (Library)	<ul style="list-style-type: none"> • The Library. • M.A.P.S.
April 12–14 (Thesis Camp)	<i>“Crunch Time”</i> PGLC Conference Room/Librarian Offices	<ul style="list-style-type: none"> • Reviewing Librarians. • M.A.P.S.

Prior to the Thesis Camp, the coordinator of MILU conducted a session on April 7, 2016, titled “MILU: Its Role in the Thesis Submission Process” for UWI Mona Librarians to be refreshed on the role and function of the Unit.

RESEARCH DAYS 2016

The Library played an integral role in the University’s 17th staging of Research Days, held February 17–19, 2016. Dr Sasekea Harris along with a team comprising Rosemarie Runcie, Frances Salmon, Myrna Douglas, Karlene Nelson, Karen Tyrell, Tereza Richards, Karlene Robinson and Faith McKoy-Johnson led the 2016 Research Days’ activities for the Library under the theme: “The UWI Mona Library: Trailblazer, Facilitator and Practitioner in Research” and showcased the Library as trailblazer – the varied pioneering services; as facilitator – supporting the research of

the University; as practitioner – librarians’ research and scholarly output. Research output of Librarians were featured in the *2016 Research for Development* Publication.

INCOME GENERATION

The Library continued to offer services and implement initiatives to generate income. The Bindery and Preservation Unit, the Multifunctional Room, and the Reprographics Services Unit, are the main income earners. The Branch Libraries also played a significant role through printing services and photocopying fees, and room rentals.

The work of the Bindery and Preservation Unit realized an income of \$1,371,482.00; while rental of the Multifunctional Room and attendant equipment generated \$760,537.86.

The Reprographic Services Unit (RESU) was identified for renovation and relocation, while a proposed Library Café was identified for development during the year. Consultation meetings were convened with the Campus Projects Office over the period, but budgetary constraints have stalled these projects. However, a *Business and Marketing Plan* was developed towards enhancing the services, diversify products, and increase the revenue of RESU from the gross income of \$2,775,386 realized in the 2015/2016 academic year.

OUTREACH INITIATIVES

Outreach to patrons and the wider community continued to be an important part of the Library’s activities through presentations at workshops, the mounting of special exhibitions on topical issues, and hosting of educational events and other collaborative endeavours.

Quality Evaluation of Teachers’ Colleges

Librarians participated in the UWI Mona Quality Evaluation of Teachers’ Colleges, organized by the Quality Assurance Unit in the Office of the Board for Undergraduate Studies, which took place between September

and November 2015. Beginning in 2015, B.Ed. programmes at eight public teachers colleges now fall under UWI, Mona, and this exercise was a quality evaluation of the colleges including library facilities.

Institute of Electrical and Electronic Engineers (IEEE) Workshop

On October 1, 2015, the Science Branch Library hosted an IEEE workshop. There were 38 participants including lecturers and students from the Faculty of Science and Technology, as well as librarians from the Mona Campus. Mr Michael Shapiro, IEEE Client Service Manager, shared strategies for using IEEE Xplore: Content, Features and Functionality. He also provided guidelines regarding a quality technical paper and explored publishing options within IEEE.

Resource Description and Access (RDA) Workshops

Ms Rosemarie Runcie, Head of the Cataloguing Section, conducted two Resource Description and Access (RDA) workshops with the goal of preparing libraries for transitioning to an automated library integrated system. The Science and Technology Information Network (STIN) RDA workshop was held in November 2015 at the Scientific Research Council. Library staff from 21 institutions participated in the workshop which addressed the shift in cataloguing standards from AACR2 to RDA. The workshop was also conducted on April 27–28, 2016 with 15 participants from the Jamaica Library Service (JLS) which has acquired the KOHA integrated system and needed to apply the current cataloguing standards. Both workshops were reported to be successful with participants having a clearer understanding of the RDA fields required for the MARC 21 format.

APA Referencing Workshop

On February 9, 2016, Medical Librarian, Mrs McKoy-Johnson, participated in an In-service Training Programme at the Ministry of Health. This took the form of a workshop titled, *Academic Writing and Referencing with the APA*.

UNIVERSITY-WIDE INITIATIVE

Collaboration between UWI Campus Librarians and the University of the French West Indies

Ms Beverley Lashley, Deputy Librarian, represented the Mona Library at a collaborative meeting with the UWI Campus Libraries and Librarians from the Université des Antilles, February 25–26, 2016, in Martinique. The main objective of the meeting was to examine opportunities for collaboration between both organizations and to explore any mutual benefits that could be derived from close association as Caribbean Universities. The discussion centered on possible joint initiatives for regional development with a focus on Interlibrary loan, staff exchanges, and the development of a Caribbean-Amazonia Heritage and Knowledge Portal. The latter initiative would be a joint proposal as part of the INTERREG 2014-2020 project with European Union funding.

Preservation Training

In June 2016 the Library facilitated preservation training for Archive Attendants from the UWI Archive. The session addressed, among other areas, general cleaning of paper, books, maps, handling of paper, books, maps, relaxing of paper, and minor paper repair and polishing of leather binding.

Mould Abatement Project

The Preservation and Conservation Librarian and the Bindery staff continued to provide consultation and mould abatement service to the Mona Campus. They also provided consultation and cleaning services for documents and books that were infested in buildings in the Faculty of Social Sciences.

Law Librarian as Technical Advisor to IMPACT Justice

The Law Librarian, Ms Myrna Douglas, was invited by the Director of the Caribbean Law Institute Centre, Faculty of Law, Cave Hill Campus,

to serve on the Improved Access to Justice in the Caribbean Programme (IMPACT Justice) as a Technical Advisor to its Legal Databases and Law Library Development Technical Advisory Group (TAG), for the year 2016/2017. The activities of this outreach involved the monitoring of the CARILAW Upgrade Project, the creation of Caribbean Law Review and WILIP online and other databases. As advisor to this Group falling under IMPACT Justice, the Law Librarian was also charged with the responsibility of making recommendations for the future of these activities, and to law-library-collection-development in the Caribbean region. The Law Librarian, was also invited to participate in the IMPACT Justice CARICOM Legal Education Survey 2016.

Appointment of Lexis Student Associate in Law Branch Library

The Law Branch Library, after consultation with the LexisNexis Caribbean Representative, has introduced the LexisNexis Student Associate Programme at the Mona Campus. The programme is one which was offered to Universities in developed countries. The Student Associate programme was approved in the last academic year but was placed on hold due to long outstanding issues related to payment of invoices to LexisNexis.

Mr Adrian Duncan, Year I student in the Faculty of Law, was selected by the LexisNexis panel for the position of Lexis Student Associate.

Preservation Awareness Week

The Library hosted its second *Preservation Awareness Week* from April 11 to 15, 2016, under the theme “Transition”, focusing on how preservation of items has evolved over time, as well as the transition from old to new resources in libraries. In keeping with the theme, there were a number of papers and presentations that addressed varied issues and challenges faced by libraries, archives, and museums (LAMs) in Jamaica. Over 320 persons, including staff and students from the UWI Mona campus, representatives from various libraries, archives, and museums, and the wider public in Jamaica, attended the week’s event.

Keynote speaker was Mrs Winsome Hudson, National Librarian and CEO of the National Library of Jamaica, who spoke on the issues and challenges regarding preservation of library material in Jamaica.

During the week, the Bindery staff hosted two book repair demonstrations at the Main Library and the Science Branch Library.



Bindery Staff (right) demonstrating book repair techniques at Preservation Awareness Week 2016.

Field Work/Internship Placements

The Mona Library continued its collaboration with high schools and colleges in facilitating internships/fieldwork/community service placements at the Library. During the year under review students from Edith Dalton James, Papine, Bridgeport, St Andrew, Holy Childhood and Ardenne High Schools, as well as Jamaica College, were accommodated to carry out Community Service as part of their curriculum requirements. The Library also facilitated internships to two students from the Department of Library and Information Studies, UWI, and one from Excelsior Community College. Other students in specialized programmes like Jamaica Values and Attitudes (JamVAT) were also accommodated.

External Visitors

In continuing its provision of services to non-UWI affiliated institutions and persons, the Mona Library facilitated 96 external visitors. The majority of these visitors (60) were students from local secondary schools while the second largest category of users (22) were students from international universities. Overall, the total number of external visitors declined by 25% and this was also reflected in the fees collected for use. A total of US\$850 and J\$90,200 was realized from the use of the Library by external visitors. However, in the previous year (2014–2015) the figure was US\$980 and JA\$119,400. In going forward the Library will revisit fees charged to external visitors with a view to have all fees quoted in US dollars and calculated daily at the UWI rate to bring some measure of stability to the fluctuations in fees charged.

The UWI, OAS and Partners celebrate Pan American Day at Mona, April 14, 2016

The UWI Mona Library provided support for hosting of the first Pan American Day celebrations at UWI. Pan American Day is celebrated in various countries across North and South America and commemorates the First International Conference of the OAS held in April 1890, which led to the creation of the International Union of American Republics, forerunner to the OAS.

Ms Beverley Lashley, Deputy Librarian, was a member of the planning team and was responsible for the exhibitors and logistics for the day. Mr Kevin Atkinson, Buildings and Mail Supervisor, prepared the floor plan and layout of the exhibitors' space, ensuring seamless operations for the day.

Share to Care Team

The Share to Care Team, as part of the Library's outreach, aspires to positively contribute to the lives of children by helping with their social and economic needs on a continuous basis. During the review period, a donation of school supplies was made to Shady Grove Basic School on

Old Hope Road in Kingston. Another donation of school supplies and toiletries was made to the Strathmore Gardens Children's Home. In addition to the donations, the team had worship service and a rap session with the 44 residents at the Home whose ages range from 18 months to 20 years.

EXHIBITIONS

The Library continued to mount exhibitions showcasing a variety of themes and activities. Exhibitions were also hosted at the request of student groups, clubs, societies, and departments on campus. Among the notable internal exhibitions were:

Main Library

- Earthquake Awareness
- Reggae Music
- Celebrating the Work and Life of Ray Chen
- World Book and Copyright Day
- Haile Selassie's 1st visit to Jamaica

Law Branch Library

- Electronic Resources
- Faculty of Law – Driving Legal Development through Research and Innovation

Medical Branch Library

- World Hepatitis Day
- World AIDS Day
- World Health Day with the focus on Diabetes

Science Branch Library

- Science, Technology, Engineering, Mathematics (STEM)

Western Jamaica Campus Library

- World AIDS Day

STAFFING

During the review period, the Library employed 26 professional staff; 90 Administrative, Technical and Support staff (ATS); and 136 student assistants.

Leave for Academic Pursuit

Mrs Pauline Nicholas, Head of the Loan and Reference Section, began a three-year doctoral programme at the University of Alberta in September 2015. Consequently, Mrs Karlene Robinson who served as Head of the Science Branch Library was asked to lead the Loan and Reference Section, with Dr Sasekea Harris, Reference Librarian in the Science Branch Library, taking up the mantle of Librarian in charge of the Branch.

Appointment and Resignations

Mrs Beverley Eccleston-Burte, was appointed Librarian 1 after working as Senior Library Assistant at WJC for two years. Mr Craig Brown, Library Clerk, became seriously ill in 2015 and resigned in January 2016. Ms Chioma Brown resigned from her post as Library Clerk effective May 13, 2016.

Reassignment

Ms Yolanda Tugwell was reassigned from the Main Library to Western Jamaica Campus (WJC) Branch Library on September 1, 2016 to Head the Branch in the absence of Ms Sandra Stubbs who proceeded on Sabbatical. Mr Miguel McKoy was also reassigned to WJC from Medical Branch Library following the illness and subsequent resignation of Mr Craig Brown.

New Staff

The Library welcomed four new librarians to its staff complement. They are Mrs Genevieve Jones-Edman who previously worked at the National Library of Jamaica, Mrs Sonia Stewart and Mr Quemar Rhoden who were both employed to the UWI Mona Campus in different capacities prior to taking up their new posts, and Ms Antonette Harriott who previously worked as a Teacher-Librarian, and part-time lecturer at the Department of Library and Information Studies (DLIS).

STAFF DEVELOPMENT

Training

In order to facilitate the continued development of staff members, training was offered in various areas both in-house, through the Human Resource Management Division, and externally. These included the Transformational Leadership Series, Leadership Development Series, Basic Computer Training, Customer Service Improvement Programme, Setting Performance Objectives, Team/Collaboration Skills, and Microsoft Excel.

Karen Tyrell, librarian in the Cataloguing Section, participated in a two-week attachment to the Brock University, Ontario, Canada, October 12–25, 2015. Her focus was the cataloguing of serials using the Millennium Integrated System.

Librarians also participated in a number of training opportunities provided through webinars, including:

- September 15, 2015, “Positioning your Library – Marketing for Success”
- March 31, 2016, “Fostering Research Community through Library Spaces and Services”
- April 25, 2016, “ACRL Virtual Panel (New Framework, New Directions: Teaching Information Literacy in a New Context”

Mrs Maureen Kerr-Campbell and Mr Cedric Palmer attended a three-day Digital Publishing Conference and Education Stakeholders Forum conducted by *JAMCOPY*, at the Jamaica Pegasus Hotel, November 2–5, 2015.

Customer Service Training

In an effort to enhance the Library’s customer service, the Customer Service team implemented several initiatives aimed at improving employee engagement and development as well as internal and external client relations. Key initiatives implemented during the period included building awareness, staff training, and presentations.

The customer service signature event for the 2015–2016 academic year was the customer service enhancement workshop held on June 17, 2016 at the Main Library, under the theme: *Customer Service is Everybody’s Business: Creating Distinctively Positive Service Experiences*. Miss Donnetta Russell, Customer Care Manager at the National Housing Trust whose leadership has led to the Trust being recognized nationally for its exemplary customer service delivery every year since 2008/2009, was the facilitator for the workshop. Consistent with the theme, the workshop exposed participants to the approach, attitude and skill set development needed to provide distinctively positive customer service experiences.

The Team also utilized the Library Commendation Board to recognize staff for actions viewed through the lens of customer service as “going the extra mile”. The Annual Customer Service Award was re-introduced, and based on nominations from eight sections of the UWI Mona Library, certificates for excellence in customer service were presented to the eight members of staff at the Library’s Annual Christmas Dinner which was held in December 2015. Additionally, the committee selected one nominee to be the recipient of the UWI Mona Library’s Customer Service Par Excellence Award. The nominee Mr Derek Garrick received the *UWI Mona Library Customer Service Par Excellence* certificate along with a gift certificate.

PAPERS PRESENTED AT CONFERENCES/SEMINARS

Conference/ Poster Presentations

- **Davis, Rochelle.** “Engendering Positive Relationships in the Digital Age: Libraries, Vendors, Publishers and Other External Stakeholders”. Electronic Resources and Libraries Conference, University of Texas at Austin April 3–6, 2016.
- **Douglas, Myrna.** “Law Library Cooperation in the Caribbean Region”. Improved Access to Justice in the Caribbean (IMPACT Justice) Workshop for Caribbean Law Library Paraprofessional Staff, held at the Knutsford Court Hotel, Kingston, January 25–27, 2016.
- **Rajah, Jolie, Myrna Douglas, and Junior Browne.** “*The Law Librarian’s Role in Promoting Faculty Scholarship*”. The XXXI Caribbean Association of Law Libraries Conference, Kingston, Jamaica. July 25–28, 2016.
- **Kerr, Paulette.** “Smart libraries: a Caribbean perspective – reality or perception?” 9th Biennial COLINET Symposium 2016. Smart Libraries: Fast Tracking Transformation from Print to Electronic. Cardiff Hotel & Spa, Runaway Bay, St Ann. March 14–15, 2016.
- **Kerr, Paulette.** “Trends and Issues in Media and Information Literacy and Intercultural Dialogue: Updates and Next steps for UNESCO in enabling media and information literacy in the Caribbean”. IASL, Latin America and Caribbean Regional Conference, Kingston, Jamaica, July 12–15, 2016
- **Kerr, Paulette, Maureen Kerr-Campbell and Frances Salmon.** “Rich Collections, Scarce Resources: Conundrum of Digital Curation in the Caribbean”. Libraries in the Digital Age (LIDA), University of Zadar, Croatia, 13–17 June, 2016.
- **Lewis, Jessica.** “Creating the ‘space’ for the modern Caribbean student”. 9th Biennial COLINET Symposium 2016. Smart Libraries: Fast Tracking Transformation from Print to Electronic. March 14–15, 2016.
- **Lewis, Jessica, Karlene Robinson & Beverly Eccelston-Burte.** Poster presentation: “The Impact of Academic Liaison Librarians on the

Faculty of Science and Technology, The University of the West Indies, Mona Campus: A Review and Case Study.”DLIS Forum. Showcasing Research in Library and Information Studies to Inform Pedagogy and Practice. November 15, 2015.

PUBLICATIONS

Book Chapter

- **Smart, Cherry-Ann and Dunstan Newman** “Academic Libraries in Higher Education: Capacity Building at The University of the West Indies, Mona, Jamaica”. In *LIS Career at the Crossroads: Challenges and Opportunities*. Eds: Dr. Parikshit Mondal and Dr. Susmita Chakraborty. Department of Library and Information Science, University of Calcutta 2015. 263–272.

Refereed Journal Articles

- **Kean, C., G. Walker, M. Kerr-Campbell, F. McKoy-Johnson.** “Students’ choice and evaluation of information sources at the University of the West Indies, Mona Campus.” *New Library World*, 117(3/4), (2016): 279–288.
- **Landes, C., S.H. Hoefler, T. Richards, F. Walcher, R. Sader.** “Perspectives of patients about bioabsorbable internal fixation for maxillofacial fractures.” *Annals of Maxillofacial Surgery*, 5(2), (2015): 185–190.
- **Newman, D. and T. A. Richards.** “Preservation Awareness Week: The Experience of the University of the West Indies Mona Library, Jamaica”. *Caribbean Library Journal* 3, (2016): 49–66. <http://journals.sta.uwi.edu/clj/papers/vol3/04.Dunstan-Richards.pdf>
- **Richards, T. A., S. Muehlenbacher, F. Weichert, M. Wagner.** “Publication trends in *West Indian Medical Journal*: A 12 year bibliometric study populates an ontology.” *West Indian Medical Journal*. (2016).
- **Smart, Cherry-Ann.** 2016. “The Public Library’s Role in Enabling E-Government: A View of Two Countries in the English-speaking

Caribbean.” *The International Journal of Public Administration in the Digital Age* 3(3): 18–32.

- **Smart, Cherry-Ann.** 2015. “Born fi Dead? Special Collections and Born Digital Heritage, Jamaica.” *IFLA Journal* 41(3): 230–236.
- **Tyrell, K.** “Librarians’ Attitudes Towards Pursuing Continuing Professional Development in Two Jamaican Universities.” *Caribbean Library Journal* 3, (2015): 1–16.
- **Wagner, M., B. Vicinus, S.T. Muthra, T.A. Richards, R. Linder, V.O. Frick, . . . F. Weichert.** “Text mining, a race against time? An attempt to quantify possible variations in text corpora of medical publications throughout the years.” *Computers in Biology and Medicine*, 73, (2016): 173–185.

Non-Refereed Journal Article

- **Monteith, Kathleen, Mathew Smith, Julian Cresser, Aleric Josephs, Robert Sierakowski and Dunstan Newman.** “*A Peoples History of Jamaica: The Jamaica 50 Time Capsule*” University of the West Indies Research for Development (2016): 10–13.

Conference Proceedings

- **Howell Nash, Jacqueline.** “Working with Postgraduate Students at the UWI Mona Library: Building Rapport Through one-on-one Support.” Proceedings of the XLV ACURIL Conference, Paramaribo (2015). Compiled by Jane W. F. Smith and Margo Groenewoud, June 1, 2016, pp. 82–91. https://issuu.com/acuril/docs/proceedings_acuril2015_suriname
- **Kerr-Campbell, Maureen and Frances Salmon.** “Capacity Building through a Continuous Education Programme: The Case of the University of the West Indies Mona Library.” Proceedings of the XLV ACURIL Conference, Paramaribo (2015). Compiled by Jane W. F. Smith and Margo Groenewoud, June 1, 2016, pp. 122–24. https://issuu.com/acuril/docs/proceedings_acuril2015_suriname

- **Manassi, Tanya Marie, Beverley P. Lashley and Karlene Nelson.** “Bridging the chasm between policy and practice: Retooling practitioners to effectively address digital rights management issues presently being faced by The University of the West Indies, Mona Library”. Proceedings of the XLV ACURIL Conference, Paramaribo (2015). Compiled by Jane W. F. Smith and Margo Groenewoud, June 1, 2016, pp. 152–161. https://issuu.com/acuril/docs/proceedings_acuril2015_suriname
- **Newman, Dunstan and Sasekea Harris** “Lessons in Disaster Recovery from Hurricane Ivan: The Case of the University of the West Indies (UWI) Mona Library”. IFLA (2015): 1-29 <http://library.ifla.org/1253/1/223-newman-en.pdf>

PUBLIC SERVICE

Myrna Douglas

- Member, JAMCOPY Board Membership Committee
- Member, Legal Databases Technical Advisory Group, IMPACT Justice Project
- Member, Foreign, International and Comparative Law Librarians’ Network
- Member, CARALL Governance Committee, Constitutional Committee, and Standards and Training Committee
- Ordinary Member, Chartered Institute of Library and Informational Professionals; serving member of Special Interest Groups – Information Literacy Group and the Academic and Research Libraries Group.

Sasekea Harris

- Editor and Reviewer: *LIAJA Journal*, Number 1
- Reviewer: *International Journal of Library and Information Science*

Paulette Kerr

- Chair and UWI Representative, UNESCO UNITWIN MILID Group

- Co-Chair, Work-in-Progress Poster Showcase ALISE Conference
- Member, Standing Committee and Paper Reviewer, European Conference on Information Literacy (ECIL)
- Member, ALISE – Connie Van Fleet Award Committee
- Co-Editor, *MILID 2016 Yearbook*
- Member, Board of Management, National Library of Jamaica
- Member, Board of Directors, National Forum on Information Literacy (USA)
- Member, Association of Library and Information Science Education (ALISE)
- Member, Library and Information Association of Jamaica (LIAJA)

Beverley Lashley

- Judge, 3rd Annual Rita Marley Foundation (Jamaica) Essay Competition (2016)
- Organizer, logistics and exhibition – Pan American Day Celebrations April 14, 2016
- Adjudicator – County Level, Talk the Poem National Poetry Recitation Competition

Karlene Nelson

- Treasurer, International Association of School Librarianship (IASL) Regional Conference for Latin America and the Caribbean July 12–15, 2016
- Member, UWI Quality Assurance Team for the evaluation of teachers colleges of Jamaica
- Member, Library and Information Association of Jamaica

Dunstan Newman

- Member, JAMCOPY Business Development Committee
- Editor, *Caribbean Library Journal*

- Chair Advocacy (2015–2016) – LIAJA
- Chair Fundraising (2016–present) – LIAJA

Tereza Richards

- Member, Editorial Board – *West Indian Medical Journal*

Karlene Robinson

- Chief Examiner, Principles of Business, Caribbean Examination Council

Frances Salmon

- Member, Editorial Committee, *LIAJA Journal*

Cherry-Ann Smart

- Director/WIGUT representative, Jamaican Copyright Organization (JAMCOPY)
- Member, Governance Committee, JAMCOPY
- Member, Jamaica Reading Association
- Member, Book Industry Association of Jamaica
- Member, Library and Information Association of Jamaica
- Member, Mixed Method Information and Research Association
- Member, Association for Information Science and Technology (ASIST)
- Fellow, Society of Scholarly Publishing
- Friend, Kingston and St Andrew Parish Library

Yolanda Tugwell

- Member, Library and Information Association of Jamaica, Academic Section Committee

Karen Tyrell

- Member, Editorial Board, *New Library World Journal*

HONOURS AND AWARDS

- **Karlene Robinson, Rosemarie Runcie, Faith McKoy-Johnson and Tanya Manassi** were awarded for the article, “Establishing a Competencies Framework for a Caribbean Academic Library: The Case of The UWI Library, Mona Campus”. It was published in *Library Management* (2015) Vol. 36:1, and selected for publication in the *UWI 2016 Research for Development: Driving Development through Research and Innovation*. The paper was also selected by the journal’s editorial team as a “Highly Commended Paper” in the 2016 Emerald Literati Network Awards for Excellence.
- **Dr Sasekea Harris** was doubly honoured during the period, having received the prestigious Principal’s Award for Best Research Publication: Article Category, for her article, “Enhancing awareness of Science, Technology, Engineering and Mathematics (STEM) in academic Libraries: A Jamaican Case Study”. *IFLA Journal* October 2013 Vol. 39 No. 3 251–261. She also received the Research and Publication Award from the Library and Information Association of Jamaica (LIAJA).
- **Ms Cherry-Ann Smart** was awarded a Fellowship from the Society of Scholarly Publishing (SSP) in April 2016. The SSP seeks to better understand the changing professional development and continuing education needs and preferences of professionals involved in scholarly communications.



FACULTY OF HUMANITIES AND EDUCATION

Mona

Year ending July 31, 2016



PROFESSOR WAIBINTE WARIBOKO

B.A. (*Port Harcourt*), M.A. (*Ibadan*), Ph.D. (*Birmingham-UK*)

Dean

Overview

Within the general context of the major objectives and goals of the 2012–2017 University Strategic Plan, the Faculty of Humanities and Education sustained and, indeed, bolstered its commitment to achieving the specific UWI Strategic Perspectives for 2015–2016. During the year under review the Faculty pursued various initiatives to raise funds, to foster employee engagement and development, to achieve greater efficiency in the internal operational processes via the use of technology, to enhance student learning and development, to nourish the existing culture of routine curricula renewal, to design scholastically current and market-responsive new programmes to grow student enrolment, and to also undertake research for the general advancement of scholarship as well as for the cultural and socioeconomic development of society at large. We also pursued new initiatives aimed at establishing new institutional linkages with international partners as well as took steps to consolidate existing ones for mutually rewarding research, teaching and learning engagements. Finally, efforts aimed at motivating faculty to contribute to nation-building through public service and community outreach activities were expanded. These endeavours were all designed to sustain and promote the competitiveness of the Faculty and the University of the West Indies in a globally dynamic tertiary educational environment; and to also produce balanced work-ready graduates who are not only technologically savvy, but also culturally sensitive in a rapidly changing global marketplace as outlined and envisioned in the University Strategic Plan.

FINANCE AND FUNDRAISING

In response to the Strategic Plan, which calls for a reduction in the reliance on government financial assistance in order to increase the contribution from other non-government sources, the Faculty established a fundraising committee in September 2015 for the first time. Known and called the Faculty of Humanities and Education Fundraising Committee, and co-chaired by Professor Hopeton Dunn and Dr Sonjah Stanley-Niaah, this Committee has been mandated to raise funds primarily for the benefit of the less privileged and indigent students in the Faculty. A number of fundraising activities were held and the monies realized were deposited into a special account now held in the Bursary of the Mona Campus. By helping the less privileged students, we are seeking to stabilize student enrolment while at the same cementing our image as a student-centered Faculty. With the benefit of this experience in hand, the Faculty is poised to fundraise in the years ahead for infrastructural development, institutional strengthening and research development, among others.

As the appropriate subsections will show, more self-financing professional and continuing education programmes were introduced in many Departments across the Faculty during the year under review. There was also an expansion in the use of ICT in administrative cum academic functions with a view to increasing efficiency while reducing economic cost. Thus, for example, rather than printing and photocopying volumes of documents for the annual evaluation and promotion exercise, they were all simply conveniently projected on to a screen in the Dean's conference room for our deliberations this year. Additionally, several Departments across the Faculty continued to embark on fundraising activities to support teaching, learning and research. Thus, for example, the ICS (Institute of Caribbean Studies) is now fundraising with a view to establishing "a listening/sound room" for teaching music courses. The School of Education, through its research and project unit, completed several grant-applications for research funding which were submitted to both government and non-governmental agencies.

EMPLOYEE ENGAGEMENT AND DEVELOPMENT

This account of employee engagement and development, as it pertains to academic staff, is primarily related directly to two mutually reinforcing incentives: the provision of prescribed training through the Center for Excellence in Teaching and Learning (CETL) to promote better teaching delivery, and the provision of more teaching gadgets within the classrooms of the Faculty. Aside from newly recruited academic staff members, who were advised to enroll in the prescribed programme, quite a handful of colleagues participated willingly in workshops and seminars within and outside of the Mona Campus to upgrade their pedagogical competencies through the use of 21st century Information Communication Technologies (ICT).

To sustain and promote this interest the administration recognized, commended, and also rewarded their participation and performance during the evaluations for contract renewals and promotions within the Faculty. Additionally, with a view to improving the learning environment and also encouraging staff professional career development, the Faculty invested in more ICT gadgets to enhance teaching delivery in the classrooms. The total amount of staff now willing to routinely deploy these gadgets to enhance teaching delivery and, thereby, advance their own careers professionally has risen overall within the Faculty. Under the auspices of the Human Resources Division, Deans and Heads of Department were invited to Leadership Seminars that focused, among other themes, on “stress and anger management,” including “change management,” in the Mona Campus. The Faculty also benefited from the training and development seminars for administrative staff organized by the Human Resources Division in both functional and cross-cutting areas of leadership and management within the context of career planning during the year under review.

INTERNAL OPERATIONAL PROCESSES

In pursuit of efforts aimed at developing a more efficient and effective utilization of resources as well as improving on the existing administrative

processes, the job descriptions for the administrative assistants in the Dean's Office were reviewed under the auspices of the Human Resources Division. Following that review certain duties and responsibilities, hitherto performed on a part-time basis by staff outside of the Dean's Office, were incorporated into the revised job descriptions. This has led to a better alignment of staff workloads and also saved on labour costs while enhancing productivity. By reassigning these duties which are quite central to the core functions of the Deputy Dean for Graduate Studies and the Vice Dean for Marketing and Community Outreach, for example, the internal operational processes in the Dean's Office have been strengthened. Additionally, taking core responsibilities away from part-time employees enhances our risk management system as well as our internal communication and reporting system.

With respect to our internal communication system, existing processes in the Departments and the Dean's Office were consciously aligned to be more customer-friendly and, in particular, to respond in a timely manner to the needs of both staff and students. Within the Departments and the Dean's Office there are coordinated reporting systems, with specific terms of reference to deal with and report on academic and non-academic matters likely to negatively affect staff and students within the Faculty. These systems, depending on the situation, will report either directly to the Head of Department, or to the Dean. Thereafter, as duly required, the Campus Principal and/or the Campus Registrar were also duly informed about developments in the Faculty. Aside from academic staff and students, however, scheduled meetings (including impromptu ones) with the auxiliary staff of the Faculty were held with a view to addressing welfare matters. These initiatives, in sum, had the net effect of improving collegiality and labour relations, strengthening employee engagement, and enhancing employee confidence in the management of the Faculty.

TEACHING, LEARNING AND STUDENT DEVELOPMENT: UNDERGRADUATE STUDIES

Curriculum Development

Several existing undergraduate courses, drawn across the various Departments and disciplines, were reviewed by the Faculty's Quality Assurance Committee led by the Deputy Dean for Undergraduate Studies for, among others, their bibliographical and thematic currencies, their teaching and assessment methodologies, and their measurable learning outcomes. Aside from these routine and mandatory reviews, every Department sought to enrich and enhance its offerings by introducing new courses that are intellectually sound, market responsive, and culturally relevant. These examples from the Institute of Caribbean Studies are quite instructive and notable: "Issues in Cyber Culture" (CLTR 3508); "Caribbean Sexualities: Culture, Power and Diversity" (CLTR3510); and "Material Culture and Identity in the Caribbean" (CLTR 1005).

Several existing undergraduate programmes, drawn across the various disciplines, were also revised by the Faculty's Quality Assurance Committee. These two examples, drawn respectively from the Department of Language, Linguistics and Philosophy (DLLP) and the School of Education (SOE), are worth noting: the "B.A Double Major in Linguistics and Language Education"; and the "BEd Computer Studies & Information Technology." The former highlights interdepartmental collaboration and the benefits and values of interdisciplinary scholarship that are being emphasized in order to enhance the employability and work-readiness of graduates. In addition to its interdisciplinary content and its associated benefits, the latter expresses a robust determination to demonstrate the relevance of our offerings to the advancement of teaching and learning through the use of information communication technology in the classroom.

Under the auspices of the Dean's Office the Faculty, in pursuit of curricula innovation and more market-responsive first degree programmes capable of increasing student enrolment, introduced a multidisciplinary programme, "B.A. in Cultural and Creative Industries." This programme has drawn on courses from several disciplines across several Faculties in the Mona Campus. While reviewing this programme proposal for

approval, the Academic Quality Assurance Committee of the Mona Campus (AQAC) described it as a “model” for others fittingly. The Department of Library and Information Studies also introduced two new programmes: “B.A in Librarianship,” and “B.A in Information Studies.” Minor options in Information Studies, as well as in Theology, were proposed by the relevant Departments, then vetted by the Faculty subcommittee, and approved subsequently for implementation in the 2016/17 academic year by both the Campus Committee and the UWI Board for Undergraduate Studies.

THE LEARNING ENVIRONMENT AND STUDENT DEVELOPMENT

The question of teaching, learning and student development (recruitment, retention, social and intellectual growth) cannot be considered in isolation from the adequacy or shortcomings of the teaching and learning environment. The absence of technological support, for example, could combine with poor and ineffective teaching methodologies by underperforming teachers to accelerate the demise of otherwise good courses and programmes. Hence the Faculty deemed it important to update and revitalize the physical infrastructure and the learning environment alongside the aforementioned curricula reforms. Regarding the former, the following projects were successfully undertaken during the year in review: the Graduate Conference Room and the Dean's Conference Room were outfitted with projectors and slide screens to facilitate teaching deliveries, seminars, workshops, and/or administrative cum academic meetings; thirty-two (32) staff offices in the old and new Humanities buildings were refurbished; nine damaged air conditioning units of varying capacities were replaced in various teaching venues; the long corridors upstairs and downstairs of the old Humanities building have been tiled; and extensive repairs were also undertaken in both staff and student bathrooms within the Faculty.

With a view to significantly improving the aesthetic appeal of the physical surroundings of the learning environment, The “FHE Culture Park Development Committee” was inaugurated to advise the Faculty on how to further beautify the quadrangle behind the old Humanities building.

Students have shown their support and appreciation of this effort by donating, through the Guild of Students, some of the plants now decorating the two concrete walkways running across the Park. They also painted the tall wall demarcating the School of Education building from the concrete walkway that runs in front of the lounge for commuting students. Another sculpture to represent one of the nation's heroes or heroines, preferably Marcus Garvey, will soon be added to the three pieces of art work currently adorning this area. The emotional and psychological benefits of learning within a beautiful environment, and the fiscal benefits to be derived from the efforts of the FHE Fundraising Committee earlier mentioned, will work in concert to bolster student development and also foster the student-centered image of the Faculty. All of these efforts will ultimately help to foster a sense of belonging in students and also work in tandem with the ongoing curricula restructurings to promote student recruitment, retention and development across the Faculty.

SOME NOTABLE STUDENT ACHIEVEMENTS

This account of the learning experience and student development cannot be complete without mentioning some of the notable achievements by students, including the scholarship awards that were made to some of them on account of their outstanding academic performances. Following on a call from the Board for Undergraduate Studies (BUS) to the Dean, Heads were asked to recommend students with the most competitive grade point averages for the Monty Alexander, Louise Walker, and the Paxton & Rachel Baker scholarships, all tenable in the UWI and administered under the "American Friends of UWI 2015/2016 Scholarships." Based on the submissions, the first, second and third named scholarships were awarded, respectively, to Mr. Mario D. Spencer, Mr Michael Dane Lewis, and Ms Davae Shandene Walters. All of them are enrolled in the Enterprise and Cultural Management degree programme offered by the Institute of Caribbean Studies (ICS). Reneka Fowler and Monique Smith were also the recipients of the "Emile Martin Scholarship" in Cultural Studies tenable at the Western Jamaica Campus (WJC). Finally, Brian Walker and Kristeena Monteith, journalism students in the Caribbean

Institute of Media and Communication (CARIMAC), represented Jamaica at the Future News Journalism Conference in Edinburgh, Scotland, sponsored by the British Council from 4-6 September, 2015. The conference, which was aimed at inspiring the next generation of world-class journalists, brought over 100 delegates from over 20 countries across the world.

TEACHING AND LEARNING: POSTGRADUATE STUDIES

Without exception the various Departments, through the weekly staff/postgraduate seminars and other out-of-classroom learning engagements between research supervisors and supervisees contributed immensely to the experiences of postgraduate students in the Faculty. The Faculty, through the Deputy Dean for graduate studies, organized workshops targeted specifically at addressing issues in the learning experience of postgraduate students. These issues, among others, included time management skills, supervisor/supervisee relationship in research supervision, as well as the techniques of thesis writing. Additionally, the Office of Graduate Studies and Research organized and facilitated several activities, such as seminars for research supervisors, to enrich the learning experience of graduate students. With financial assistance from that Office, some graduate students also attended conferences overseas with a view to presenting papers. The net benefit of these efforts can be seen in part from the following list of graduate students who successfully completed and defended their PhD dissertations during the year under review:

PHD DISSERTATIONS COMPLETED AND DEFENDED

Sandra McCalla

- Performance Enhancement Drugs in Sports: An Inquiry into the Freedom and Responsibility of Athletes – Philosophy: Degree Awarded with High Commendation and received the “Most Outstanding Thesis Award” for 2015/16

Dosseth Edwards-Watson

- Inside the Black Box: A Qualitative Case Study of the Ecology of School Violence – Education

Karl Camilio Kwame Watts

- The Government Saving Bank of Jamaica: An Extension of Colonial Government Finance, 1870–1960 – History

Sharon Gardner

- How High School Speakers of Jamaican Creole Achieve Cohesion in Narrative and Persuasive Writing – Language Education

Joshua Chamberlain

- So Special, So Special, So Special: Citizenship, Nation and the Jamaican Sound System – Cultural Studies

POSTGRADUATE STUDIES: CURRICULUM DEVELOPMENT

The Faculty’s subcommittee on postgraduate studies, chaired by the Deputy Dean for graduate matters, is primarily responsible for the vetting of new graduate programmes and courses from the Departments before their submission to the UWI Board for Graduate Studies and Research through the Campus Office of Graduate Studies and Research. The following new self-financing programmes, after being vetted by the Faculty’s subcommittee, secured the approval of both the Campus Committee and the UWI Board for Graduate Studies and Research for implementation in the 2016/17 academic year:

Department	Programme
School of Education	MA in Early Childhood Education
School of Education	MA in Higher Education Management
School of Education	M.Ed in Educational Planning and Educational Policy MPhil/PhD in Leadership in TVET and Workforce Development
Library and Information Studies	MA in Archives and Records Management

In addition to the aforementioned new programmes, the following programmes after being reviewed for their intellectual currency and relevance by the subcommittee, were approved by the UWI Board for Graduate Studies and Research for 2016/17: MA in Theology (United Theological College), MA in English Language (Language, Linguistics and Philosophy), and MA in Teaching (School of Education). MA in Literatures in English, the only programme still below the minimum of thirty-five (35) credits required for all taught and “non-research” second degree programmes in the University, has been barred from accepting new students for the 2016/17 academic year by the Campus Office of Graduate Studies and Research.

INNOVATION, RESEARCH AND PUBLICATIONS

Teaching and learning within the Faculty have been informed in various ways by the innovativeness of the full time academic staff based on their research and publication efforts. Appreciative of this fact, the Faculty is fully committed to building and sustaining an enabling environment to support research and innovation. During the 2015/16 academic year many colleagues, drawn from different disciplines across the Faculty, secured either the Mona Campus Principal's “New Initiative Grant,” or the Mona Campus Research Fellowship, to pursue various individual or group research initiatives.

It is this desire to sustain and promote the existing robust research culture that informed the inauguration of the annual “Ideas that Matter Colloquium and Distinguished Lecture” at the beginning of this academic year under the leadership of Professor Hubert Devonish. As we seek to rebrand and reposition the Faculty and its offerings, this new effort is intended, among other things, to select broad, cross-cutting contemporary themes that can mobilize both staff and research students across the various disciplines into a truly cross-disciplinary discourse.

To inaugurate this “Series,” the following themes were selected: “Humanities and Education in the Cultural and Creative Industries” for 2015/16; and “Education and Communication in a Digital Age” for 2016/17. The

themes were selected because they were deemed critical to the initial multidisciplinary programmes we have decided to introduce in order to enrich our offerings, rebrand the Faculty, and also increase student enrolment. This year's colloquium began with presentations from five (5) graduate students and one junior scholar, Dr Deborah Hickling, before the distinguished lecture that was given by Professor Carolyn Cooper, "Making Work: Capital Investment in the Humanities." Cooper emphasized both the relevance of the creative industries for job creation and the centrality of the Humanities-based disciplines to the emerging global cultural economy.

Many colleagues, drawn across the various Departments, attended and presented their research findings at conferences and seminars held abroad and locally. As shown below, the various Departments had also organized public lectures and/or research conferences and seminars during the year in review.

CONFERENCES, SEMINARS AND LECTURES

School of Education

- Talk the Poem National Poetry Recitation Competition

School of Education & Teacher Colleges of Jamaica (TCJ)

- International Council on Education for Teaching (ICET) 60th World Assembly Conference

Institute of Caribbean Studies (ICS)

- Marlon James, "A Journey through the Award Winning Marlon James' Mind" – 19th Annual Bob Marley Lecture

Language, Linguistics & Philosophy

- "Discovering the World through Linguistics" (Linguistics Undergraduate Conference)

Caribbean Institute of Media and Communication (CARIMAC)

- Adrian Robinson, “The New Universe for the ‘MAC’ in CARIMAC: Case Studies of the Internet” – 6th Annual CARIMAC Aggrey Brown Distinguished Lecture

The Mona ICT Policy Centre and the Caribbean Institute of Media and Communication (CARIMAC)

- Third Annual Cyber Security Conference entitled: “Data Protection, Financial Services and Customer Awareness”

History and Archaeology

- “Terror Spread”: The Morant Bay Rebellion in Jamaican History” (Conference to mark the 150th Anniversary of the Rebellion)
- Lara Putnam, “Cities of Women: Gender Divides in Circum-Caribbean Migration, 1880–1930” – 32nd Annual Elsa Goveia Memorial Lecture

Library and Information Studies

- Kelvin White, “Archival Silences: A Call for Culturally Relevant and Pluralistic Archival Education, Research and Practices” – 4th Kenneth Ingram Memorial Lecture
- “Unlocking the Full Potential of the 21st Century School Library: Emerging Trends for Librarians and Users” – School Library Conference of the Latin America and the Caribbean Region

Literatures in English

- Glen Griffith, “How BBC Radio Served West Indian Literature: 1943–1958” – 9th Edward Baugh Distinguished Lecture
- “The Reggae Talks” under “March is Literatures in English Month” Activities

Modern Languages and Literatures

- “Let’s Celebrate Languages” – An annual public event to raise awareness among high school students of the importance of learning a foreign language in a globalized world

SELECT PUBLICATIONS/AWARDS

Books

- **Ramsay Paulette**, *Afro-Mexican Constructions of Diaspora, Gender, Identity, and Nation*. Kingston-Jamaica: The UWI Press (2016)
- **Griffith A. Stafford**, *School-Based Assessment in a Caribbean Public Examination*. Kingston-Jamaica: The UWI Press (2015)
- **Bruni Nina**, *Ruptura y Viraje La Narrativa de Maricio Veloz Maggiolo, 1960—975*. Santo Domingo-Republica Dominicana: Ministerio de Cultura (2015)

Awards

Dr Jenny Jemmott

- The Principal's Research Awards (2015): Best Research Publication-Book Category (Book: *Ties that Bind: The Black Family in Post-Slavery Jamaica, 1834–1882*)

Dr Vivette Milson-Whyte

- The Principal's Research Awards (2015): Best Research Publication-Book Category (Book: *Academic Writing Instruction for Creole-Influenced Students*)

Dr Nina Bruni

- The Principal's Research Awards (2015): Best Research Publication-Book Category (Book: *Ruptura y Viraje La Narrativa de Marcio Veloz Maggiolo, 1960–1975*)

Dr Jonathan Dalby

- The Principal's Research Awards (2015): Best Research Publication-Article Category (Article: "Such a Mass of Disgusting and Revolting Cases: Moral Panic and the Discovery of Sexual Deviance in Post-Emancipation Jamaica, 1835–1855")

Dr Marie-Jose Nzengou-Tayo (and collaborator)

- The Principal's Research Awards (2015): Best Research Publication-Article Category (Article: "Translating the Other's Voice: When is Too Much Too Much?")

Dr Paulette Ramsay

- The Principal's Research Awards (2015): Best Research Publication-Article Category (Article: "Landscape, Place and Belonging in Selected Poems by the Afro-Cuban Writer Jesus Cos Causse")

Dr Loraine Cook & Prof Zellynne Jennings-Craig

- The Principal's Research Awards (2015): Best Research Publication-Article Category (Article: "Causes of Absenteeism at the Secondary Level in Jamaica: Parents' Perspectives")

Prof Hopeton Dunn, Ms Olivia Bravo & Mrs Janneth Mornan-Green

- The Principal's Research Awards (2015): The Research Project Attracting the Most Research Funds and the Project with the Greatest Business/Economic/Development Impact (Project: "Energy Efficiency and Enhancement Project-Communication and Public Education Programme")

Professor Matthew Smith

- The 2015 Haiti Illumination Project Book Prize by the Haitian Studies Association for the book, *Liberty, Fraternity, Exile: Haiti and Jamaica after Emancipation*

OUTREACH INITIATIVES

The Faculty, through its academic staff members, has been contributing to the development of public institutions of national and regional importance outside of the Mona Campus. Here is a short list of the notable institutions that have benefitted from the public-spirited services of our academic staff in the Faculty: Caribbean Examination Council; Caribbean Disaster Emergency Management Agency; the Organization of America States (OAS); the National Council on Education (Jamaica);

the Jamaica Teaching Council; the Jamaica Office of Disaster Management; and the Jamaica Library Board.

As an extension of the same public outreach thrust, this time calculated at promoting teaching and learning in the nation's secondary schools, the Departments of Modern Languages and Literatures, History and Archaeology, and Literatures in English, organized workshops at different times to assist students preparing for the Caribbean Advanced Proficiency Examination (CAPE). In a similar vein, with a view to helping grade nine students develop the problem-solving skills they require to function, the School of Education also organized the "Grade 9 Mathematics Solving Competition." The record of registrations indicated that over 200 students from various schools across the country had benefitted from these events. In addition to these events, the Faculty Outreach Committee, headed by the Associate Dean for Marketing and Outreach, had worked really closely with the Mona Campus Outreach and Recruitment team to promote the programmes of the Faculty, the image of the Mona Campus, and the products and services of the UWI generally, during their scheduled and structured visits to the high schools across the nation.

INTERNATIONAL COLLABORATIONS AND PARTNERSHIPS

The Faculty, through the various Departments, has always sought to enrich the process of research, teaching and learning through negotiated partnerships and memoranda of understanding with other universities and institutions of higher learning across the globe. Following the appointment of Professor Reynaldo L. Martinez Jr. of the Valdosta State University in the United States as a visiting scholar in the School of Education, a memorandum of understanding was signed between that University and the Mona Campus to facilitate cooperation in programmes of education and research, as well as to promote staff and student exchanges between the two institutions.

The Department of Library and Information Studies, UNESCO, and the Nordic Information Centre for Media and Communication Research

(NORDICOM), is conducting a feasibility study to determine, among other things, the following: the need and relevance for an international media and information literacy institute (MIL); how professionals and universities can get involved in that institute; what the optimal and sustainable structure of the institute should be; and the format and type of courses that can be delivered through the institute. Additionally, an ongoing collaboration between the Department and UNESCO/ UNITWIN has enabled the former to continue its role as coordinator of the “UWI’s Initiative in the Media and Information Intercultural Dialogue.”

The Department of Modern Languages and Literatures, the Jamaican Ministry of Foreign Affairs, and the Government of Columbia collaborated to conduct foreign language classes for Jamaican civil servants between June and December, 2015. In another partnership with the Department, known as “Heart for Change,” the Government of Columbia also provided volunteers for the teaching of Spanish language. These volunteers specifically assisted the Department with conversation and language laboratory classes. Finally, as a result of a memorandum of understanding between the Mona Campus and the Government of India which was facilitated via the Indian High Commission in Kingston, Rakesh Mishra, a scholar of Gandhi philosophy and teachings, joined the academic staff of the Department of Language, Linguistics and Philosophy at the start of this academic year. All of these outreach activities, international partnerships and collaborations have had the salubrious effect of marketing and also strengthening the UWI brand locally and globally as envisioned in the Strategic Plan.

CARIBBEAN INSTITUTE OF MEDIA AND COMMUNICATION (CARIMAC)



Professor Hopeton S. Dunn, PhD *City Univ., Lond.*
Director

OVERVIEW

In the year under review, CARIMAC expanded its student intake, launched two new self-financing undergraduate programmes and introduced a new Masters Programme. The Institute made important strides in the implementation of a new Operational Plan based on a 2014 Quality Assurance Review (QAR) and Operational Audit. On this basis, both the Faculty of Humanities and Education (FHE) and Academic Board gave approval for the continued implementation of the QAR outcomes and Plan, including the transition to a School of Media and Communication. The detailed transition plan is being finalized for presentation at FHE and F&GPC Boards in 2016/2017.

The Institute continues to enhance its marketing activity, engaging public dialogue on issues in media and communication in Jamaica and the Caribbean.

WORK OF THE DEPARTMENT

Expansion of Programmes

Undergraduate Programmes

Expansion from three (3) Undergraduate Programmes in 2010 to five (5) in 2015. The following are our Undergraduate Programmes now on offer.

- BA Journalism
- BA Digital Media Production
- BA Integrated Marketing Communication
- BFA Animation
- BFA Film Production

Four of the programmes, BA Journalism, BA Integrated Marketing Communication, BFA Animation and BFA Film Production are offered to students at the Mona Campus and two, BA Integrated Marketing Communication and BA Digital Media Production are offered to students at the Western Jamaica Campus (WJC). CARIMAC's WJC programmes, with over 100 students, remain the only full degree programmes offered there from the Faculty of Humanities and Education. The BFA in Film Production and Animation are the Faculty's only self-financing undergraduate degree programmes.

Graduate Programmes

Expansion from two (2) graduate Masters level degree programmes in 2012 to the following four (4) in 2015/2016

- MA Communication Studies
- MA Communication for Social and Behaviour Change
- MA in Integrated Marketing Communication
- MSc in Telecom Policy and Technology Management

Applicants for MPhil/PhD Programmes are under review to join the existing group of research students.

Diploma Programme

The Diploma programme is being updated and there are plans for it to also be offered at the Western Jamaica Campus (WJC) as an introduction to Media and Communication.

Additional Classrooms

Two additional small classrooms were introduced. CARIMAC's old Print Lab was upgraded and 20 new high-end Apple Mac computers were installed to facilitate teaching in production and digital graphic content for all degree programmes.

Developing more efficient and effective academic and administrative processes

Based on the recommendations from the CARIMAC Quality Assurance Review, the Institute actively implemented the following recommendations:

- Support for CARIMAC's transition from an Institute to a School
- Increase in staff research output
- Reduce dependence on part-time staff
- Address staff concerns regarding office accommodation and work load
- Engage media industry to help make students more work adaptive
- Develop stronger bonds with CARIMAC's alumni
- Increase graduate student throughput
- Review of the Internship Programme

The QAR Operational Plan received the approval by the Faculty Board of Humanities and Education and by Academic Board.

Summer School/Special Courses

The Institute continues to offer income generating short courses annually during the Summer. The following were offered between June and July 2016.

- 1) Writing for Public Relations
- 2) Event Planning
- 3) Graphic Design (Basic)
- 4) Digital Photography
- 5) Introduction to Web Design
- 6) Social Media Strategies (WJC & Mona)

RESEARCH AND INNOVATION

Significant faculty-led research and/or innovations during the period

CARIMAC participated in the Campus Research Days activities on February 17–19, 2016. A hands-on introductory seminar in 2D Animation and Motion Graphics was presented by Mr D'Oyen Williams and Mr Desmond Young respectively. They had the participants work in groups to create and animate their own rigs using pre-designed assets.

New research partnerships developed during the period

A new ICT User Survey was designed and commissioned in the period under review. It aims to capture Internet Usage data among all demographic groups in Jamaica. The Survey, being done in association with STATIN and the Office of Utilities Regulation (OUR), is led by Professor Hopeton Dunn. It will be completed in 2016/2017.

A team led by Professor Hopeton Dunn and including Miss Olivia Bravo and Mrs Janneth Mornan-Green was the recipient of the Principal's Research Day Awards, 2015/16. The categories were:

- Research Project Attracting the Most Research Funds for the Faculty of Humanities and Education, UWI (2015)

- Research Project with the Greatest Business/Economic/Development Impact for the Faculty of Humanities and Education, UWI (2015)

STAFF MATTERS

Improving employee engagement

Regular Staff meetings were held to brief all employees and to consult on initiatives being developed, including new programmes, special lectures and outreach activities. The Annual Staff Retreat, involving both planning and recreational activities, was held at the WJC Campus on June 10, 2016.

Strengthening performance management

The Institute developed a new Operational Plan in response to the recommendations of the Quality Assurance Review and the Operational Audit. The Management Committee was strengthened to assist in implementation and in the leadership of other key activities.

The CARIMAC Advisory Committee was re-structured and re-convened, consisting of industry leaders, external academic advisors and staff representatives.

SPECIAL ACTIVITIES

Graduate Programme Seminar

CARIMAC hosted a seminar on Graduate Supervision for supervisors in our MA, MPhil and PhD programmes on Thursday, February 4, 2016. The main speakers were Professor Denise Eldemire-Shearer, Chair, Campus Committee for Graduate Studies and Research, Professor Hopeton Dunn, Director of CARIMAC and Dr Anthea Henderson, Lecturer and former Graduate Studies Co-ordinator of CARIMAC.

CARIMAC Job Fair

The Institute organised its inaugural student job fair under the theme “Career Ready 2016”, at CARIMAC’s Annex II Lecture Room on Wednesday and Thursday, April 13–14, 2016. The Opening Ceremony was addressed by Ms. Minna Israel, Special Advisor to the Vice Chancellor. Other presentations on Day One included topics such as CV and Portfolio Development; Winning Job Interviews; Dining Etiquette; Professional Attire, and Public Speaking. There was also a panel discussion on Entrepreneurship in the Digital Age.

The purpose of this event was to enhance the professional skills of CARIMAC’s final year students and allow potential employers to meet, network and recruit from some of the best of our graduating class. The lead staff organizer was Dr. Anthea Henderson, Lecturer, working in association with UWI’s Career and Placement Office.

CARIMAC CAPE Communication Studies Revision Workshops

CARIMAC organised two days of revision workshops for high school students who were writing the CAPE Communication Studies examination in May 2016. The workshops held March 19 and 26, attracted over 300 students from more than 20 High Schools in Jamaica. Presenters included CARIMAC staff and former students who are teachers of the subject at the High School level. Presentations included topics such as “Ace-ing the Long Paper”, “Gaining Maximum Marks for Module 2” and ‘Tips for Constructing a Proper Essay for Section 2’. The lead staff organizer was Dr. Corinne Barnes, CARIMAC Lecturer.

Launch of CARIMAC Student Network (CSN7)

Acting on a recommendation from the Director to improve inter-programme collaboration, lecturers and a group of final year students from the three programmes, collaborated and launched a new on-line electronic media outlet called CARIMAC Student Network (CSN). The class produced a live newscast for this network. This activity involved

collaboration among: a) IMC students raising funds to build a large TV studio set b) Journalism students creating video news features for showing on the CSN platform and c) DMP students creating graphics and animated montages used as part of the platform. The lead staff organizers were Ms Yvette Rowe, Dr. Livingston White and Mr. David Soutar.

CARIMAC Distinguished Lecture

The 6th Annual CARIMAC Aggrey Brown Distinguished Lecture was held on April 14, 2016 at CARIMAC Annex II building. The lecture was presented by Mr. Adrian Robinson, distinguished Jamaican broadcaster, who is also founder and Managing Director of The Marketing Counselors Limited, one of the leading advertising agencies in Jamaica. He spoke on the topic 'The New Universe for the 'MAC' in CARIMAC: Case Studies of the Internet'. The lead staff organizer was Dr. Livingston White, Lecturer.

WJC Annual CARIMAC Lecture

The WJC Annual Public Lecture took place on April 12, 2016. The topic, "Exploring the Caribbean Media Landscape: Mergers, Models and the Practice of Journalism" was presented by Mr. Wesley Gibbings, President of the Association of Caribbean Media Workers (ACM). The event was organized and chaired by Mr. Steffon Campbell, CARIMAC/WJC co-ordinator.

Top Radio Documentaries

On Friday, April 15, 2016 the top two radio documentaries produced by the Radio Journalism students were presented to an audience of media practitioners, industry executives and students. The documentaries entitled, 'The Broken Vessel' and 'Facing Death' were well received and the students were commended for their productions. The lead staff organizer was Ms Fae Ellington, Lecturer.

Launch of CARIMAC TIMES 2016

CARIMAC launched the 2016 edition of the annual student publication, *CARIMAC TIMES*, in a special ceremony on the Institute's lawns on April 15, 2016. The Guest Speaker was Mrs. Thalia Lyn, CEO of Island Grill and Honorary Consul for Thailand. This high gloss, full-colour magazine provides a collection of in-depth stories, highlighting realities under five main themes: Abuse, Minorities, Public Health, Education and the Economy, with an emphasis on youth. The lead staff organizer was Dr. Corinne Barnes, Lecturer.

OUTREACH

CARIMAC assigned a member of the academic staff, Ms Fae Ellington, to lead in its outreach to schools activities and she visited several high schools during the academic year.

Professor Hopeton Dunn represented CARIMAC at the World Intellectual Property Organization's (WIPO) Regional Seminar on 'Broadcast Licensing in the Digital Age' held May 23–24 in Port of Spain, Trinidad & Tobago. The objectives of the seminar were to explore issues surrounding licensing of content, the commercialization of content, including broadcasting and sports. There were also in-depth discussions on the issue of signal piracy and its impact on the Caribbean region.

3rd National Cyber Security Conference

CARIMAC hosted over 200 participants at the 3rd National Cyber Security Conference under the theme "Data Protection, Financial Services and Customer Awareness". The Conference was held at the UWI Regional Headquarters, Mona, in Kingston, on Tuesday and Wednesday November 17–18, 2015.

A number of international speakers addressed the conference, including Attorney-at-Law, Ms. Christine Runnegar, Director of Public Policy at the Internet Society (ISOC), Washington, USA; Ms Acadia Senese, an external legal consultant and Mr Shiva Bissessar, a Cyber Security specialist based in Trinidad & Tobago.

The conference was officially opened by Mr. Julian Robinson, Minister of State in the Ministry of Science Technology Energy and Mining. The UWI Mona Principal, Prof Archibald McDonald and Mr Dennis Chung, CEO of the Private Sector Organisation of Jamaica (PSOJ) also spoke at the event. The lead sponsor was National Commercial Bank. Other sponsors included Jamaica National Building Society and Henlin Gibson Henlin, Attorneys-at-Law.

Initiatives to market the Institution

CARIMAC partnered with the Animation Festival, KingstOOon 2016 and hosted a two day Boot Camp from March 10–11, 2016. It was a precursor to the second staging of the Festival which took place at the Edna Manley College on March 12, 2016.

On January 27, Professor Dunn delivered a lecture to Communication Students in the UTECH Communication Arts Programme entitled, 'The Changing Face of Technology, New Media and Careers'. This lecture was part of an outreach being spearheaded by CARIMAC to build relationships among similar media training programmes in Jamaica and the Caribbean. Professor Dunn also attended and delivered lectures at NCU's Media Week and IUC's Research Day.

On November 19, 2015, CARIMAC staff participated in the Annual General Meeting of the Jamaica Film and TV Association (JAFTA). Ms Yvette Rowe, lecturer at CARIMAC was elected as Vice President of the Association and Basil Jones Jr., CARIMAC's graduate, as Interim President. Numerous other activities of the Association have been taking place with CARIMAC's support.

STUDENT AFFAIRS

Students achievements during 2015–2016, locally and internationally

Two CARIMAC students received awards for outstanding work in Animation at the 2nd Kingstown Animation Festival held March 12–13

in Kingston. Jeunanne Alkins received two awards for Best Concept and Best Pitch, while Jowayne McFarlane received an award for Best Concept.

Cultural Exchange Programme

Two CARIMAC students, Joel Nomdarkham and Candiece Knight, were selected as part of a delegation that travelled to Costa Rica from May 22 to June 6, 2016. These students were selected based on their leadership/service contribution to the University.

CARIMAC Journalism students, Brian Walker and Kristeena Monteith represented Jamaica at the British Council Future News Journalism Conference in Edinburgh, Scotland from September 4–6, 2015. The conference which was held at the Scottish Parliament, was aimed at inspiring the next generation of world-class journalists. It brought together over 100 delegates from more than 20 countries including Trinidad and Tobago, Egypt, South Africa, India, Russia and Jamaica to interact with, and learn from top international journalists and media professionals.

RESEARCH GRANTS

Livingston White

- A multidisciplinary project, led by the UWI's Department of Microbiology, to study and design interventions for the knowledge, attitudes of physicians and members of the public regarding the use of antibiotics, antibiotic resistance, antibiotic prescribing practices of doctors in Jamaica 2014–2017. Funded by the National Health Fund of Jamaica. Role: Team member in charge of designing communication-based interventions.
- 2016 Jamaica ICT Adoption and Usage Survey (Joint project with OUR and STATIN)

PAPERS PRESENTED AT ACADEMIC CONFERENCES AND SEMINARS

Hopeton Dunn

- June 2016 – “Evolution of ICTs and the Regulatory Environment in the Region” ITU Forum, Brazil.

Anthea Henderson

- September 2015 – “Navigating Childhoods – Children and Media Regulation in the Caribbean” CAMRI Conference, University of Westminster.
- July 2016 – “Rights/Needs? Caribbean Children in the Digital Age” IAMCR Pre-Conference, London School of Economics

Allison Brown

- March 2016 – “The Future of Access to Information for Persons with Disabilities”. Regional Disability Studies Conference.

PUBLIC SERVICE

Hopeton Dunn

- Chairman, Broadcasting Commission of Jamaica
- Chief Judge, Media Excellence Award Panel, Jamaica Broilers Fair Play Awards.
- Chairman, International Jury for Stuart Hall Prize offered by the International Association for Media and Communication Research (IAMCR)
- Member of the General Council and Chair of the Graduate Studies and Research Committee of the International University of the Caribbean (IUC)
- Chairman, National Ecumenical Committee for the Observance of Emancipation from Slavery, Jamaica
- Lay Magistrate and Justice of the Peace (JP) for Kingston.

Livingston White

- Member, Board of Directors of the Ad Council of Jamaica
- Member, Mixed Methods International Research Association (MMIRA)
- Founding member, International Social Marketing Association (ISMA) and a member of the Communication Sub-committee.
- Member, International Association of Media and Communication Research (IAMCR)
- Member, International Communication Association (ICA), USA
- Member, Editorial Board – Social Marketing Quarterly
- Member (founding), Editorial Board – *Journal of Human Communication Studies in the Caribbean*
- Member, Transport Authority Communication working group
- Judge at Press Association of Jamaica Award

Anthea Henderson

- Judge at Press Association of Jamaica Award 2015

Corinne Barnes

- Member, Mentorship Committee of the Eastwood Park Road New Testament Church of God
- Chairperson of the Media Committee and Public Relations Officer of the Eastwood Park Road New Testament Church of God
- Member, International Association of Media and Communication Research (IAMCR)
- Reviewer, *Journal of Human Communication in the Caribbean*

David Soutar

- Assistant Chief Examiner (Digital Media Production) – Caribbean Examination Council
- Member, Planning Committee for Developing the Caribbean Open Data Conference

Fae Ellington

- Board Director, St. Hugh’s High School
- Board Director, The Chase Fund
- Board Director, Jamaica Information Service
- Member, Jamaica Constabulary Force Staff College Advisory Board
- Board Director, News Talk 93FM
- Board Director, e-learning Jamaica Company Limited.

Olivia Bravo

- Member, Greater August Town Film Project Steering Committee
- Member, Greater August Town Film Festival (GATTFEST) Planning and Marketing Committee

Anthony Frampton

- Judge for the 2016 GATTFEST Film Festival

CONCLUSION

CARIMAC enjoyed a very active and productive year, highlighted by expansion in programme delivery, student numbers and physical resources. These helped to advance the Institute’s strategic goal to become the University’s regional School of Media and Communication.

In all these initiatives CARIMAC was strongly supported by Campus Principal, Professor Archibald McDonald, Campus Registrar, Dr Camille Bell Hutchinson, new Dean, Faculty of Humanities and Education, Professor Waibinte Wariboko and the former Dean, Dr. Swithin Wilmot. We thank them for their active assistance and support. We also thank our students, staff members, colleague Heads of Departments in FHE and other collaborating departments, organizations and sponsors for their co-operation and assistance during the period.

DEPARTMENT OF HISTORY AND ARCHAEOLOGY



Dr Kathleen E.A. Monteith, BA, MPhil *UWI*, PhD *Reading, UK*
Head of Department

THE WORK OF THE DEPARTMENT

Academic Programmes

Undergraduate

In 2015/16 the Department continued to face significant challenges with a much reduced student enrolment in its academic programmes, resulting in a significant reduction in course offerings. The reduction however has been carried out conscientiously in order to retain as much as possible the diversity in the History programme and a recognition of the importance of courses in Asia and the Middle East given the topical issues related to current world affairs in those regions, and the deepening economic linkages between the region and Asia, particularly China. In view of the need to reduce course offerings, a revision of the African History programme, and the development of a new Level 3 course, the

United States in the Americas exploring the US involvement in Latin America, are even more crucial. The development of a Summer Archaeology Field School aimed specifically at overseas students, but not limited to them, also remains relevant.

Postgraduate

Nine students entered the Department's graduate programmes: 2 in the MPhil programme, 1 in the MA History and 7 in the MA Heritage Studies programmes. Three students were awarded the MA in Heritage Studies (Recardo Valentine, Joan Grant Rodney and Emily Charlotte Maus), and one in MA in History (Tatinesha Forbes). One student, Karl Watts, successfully defended his PhD in History. Nicole Plummer is preparing for her viva, and Yvette Haughton is making corrections to her MPhil.

The annual Graduate Seminar Workshop held on 30 April and 7 May had eight students presenting on their research topics in Heritage Studies. This year for the first time, one of the sessions was cross campus inter-departmental with the Department of History at St. Augustine joining via PolyCom, with two of their MA History students presenting on their research papers.

Academic Staff

The Department was saddened by the sudden passing of Mrs Karen Thompson Spence, Technologist in the Archaeology laboratory in September 2015. Mrs Spence provided 23 years of dedicated service to the Archaeology programme. Following Mrs Spence's passing, two graduate students were appointed temporary laboratory assistants in January 2016. The post was advertised and filled on June 1, 2016 by Mr Clive Grey.

Awards

Dr. Jonathan Dalby received the Principal's award for Best Publication (Article) in the Faculty of Humanities and Education for his article; Dr.

Jenny Jemmott received the Principal's award for Best Publication (Book) in the Faculty of Humanities and Education for *Ties That Bind. The Black Family in Post Slavery Jamaica, 1834–1882*, Kingston: The University of the West Indies Press, 2015; and Professor Matthew Smith was awarded the 2015 Haiti Illumination Project Book Prize by the Haitian Studies Association for his book, *Liberty, Fraternity, Exile. Haiti and Jamaica after Emancipation*. Chapel Hill: University of North Carolina Press, 2014.

SEMINARS/ PUBLIC LECTURES/CONFERENCES

- The Department hosted “‘Terror Spread’: The Morant Bay Rebellion in Jamaican History” Conference 22–24 October 2015, to commemorate the 150th anniversary of the rebellion. The Opening Ceremony was held at the Regional Headquarters of the University of the West Indies, at which Dr. Swithin Wilmot delivered the Keynote Address, “The Road to Morant Bay.” Twenty papers were presented during the two-day conference held in the Council Room of the University of the West Indies, Mona Campus. *The Journal of Caribbean History* Vol. 50: 1 (June 1, 2016) published four of the conference papers and the Keynote Address. Five more papers are scheduled for publication in another special issue, Vol 50: 2.
- The 32nd annual Elsa Goveia Memorial Lecture was held on 22 March 2016 at the Sir Philip Sherlock Centre for the Performing Arts. The guest lecturer was Lara Putnam, Professor of History at the University of Pittsburgh, Pennsylvania who delivered “Cities of Women: Gender Divides in Circum-Caribbean Migration, 1880–1930,” which was well received.
- Staff/Graduate Seminar Series hosted eleven presentations during the academic year with participation by three faculty and three graduate students of the Department. Five visitors to the Department made presentations and two seminars were cross campus inter-departmental with the Department of History, St. Augustine campus joining via PolyCom.
- Two Public Lectures were held in collaboration with the Department

of Government: “Chilean Contribution to Peacekeeping in Latin America and the Caribbean” by General Esteban Guarda Barros, General Brigade of the Chilean Army, 28 October 2016, and “The 2016 US Presidential Elections: Processes, Procedures, Prospects by Dr. Raymond Brown, Diplomat in Residence and Senior Lecturer 11 May 2016, Faculty of Law, UWI, Mona.

The Annual Field School in Archaeology

This was conducted on the Mona campus in the area where the overseer’s house of the Mona sugar estate was located. Eight undergraduate students registered in the course HIST2801: Research Methods and Techniques in Archaeology along with two graduate students participated in the exercise which unearthed artefacts which included ceramics imported from Europe, bottle glass fragments, and clay tobacco pipes.

The Jamaica Parish Histories Project

The Jamaica National Building Society Foundation commissioned the Department to research and write updated parish histories of Jamaica which includes documenting the unique cultural heritage of the fourteen parishes. These are to be uploaded to a website managed by the JN Foundation. The project was launched by Mr Earl Jarrett, Chairman of the Board of Directors of the JN Building Society Foundation during the Opening Ceremony of the Morant Bay Rebellion conference on 22 October. Dr. Jenny Jemmott is the Lead researcher and writer on behalf of the Department.

The Social History Project

The Social History Project completed the Time Capsule Project: “A People’s History: The Jamaica 50 Time Capsules” which was commissioned by the Jamaica 50 Secretariat in the then Ministry of Youth and Culture in 2012 and funded by the CHASE Fund. The Time Capsules include two barrel shaped containers into which items of Jamaica’s heritage and lived history in the period 1962–2015 have been placed. The first barrel

covers the period 1962–2000 and the second covers the period 2000–2015/16. In addition to artefacts the Time Capsules also contain the voices and thoughts of Jamaicans about the past 53 years. The views of Jamaican youth were also captured in a collection of 53 letters by students aged 6–16 who documented their future selves and describe what they imagine Jamaica to be in 2062. A "Book of Record" detailing descriptions of all the items (approximately 700 in total), provide a description of the project's history, an inventory of the items, photographs of each item, and a narrative of Jamaica's history.

OUTREACH

- The Annual CAPE History Lecture Series: Six Lectures covering Units 1 and 2 of the CAPE History syllabus were delivered: (The Russian Revolution to 1924, Nazism in Germany up to 1945; Decolonization and Liberation; Independence and National Development up to 1900 – Brazil /Venezuela; A Comparative Analysis of Indigenous Societies in the Americas; The Cuban Revolution, 1959–1983; Final Dismantlement of the Slave Systems, 1807–1886). Some 250 students from 18 schools from rural parishes and the Kingston and St. Andrew metropolitan area attended.
- 2014 CAPE History Teachers' Workshop: The Department, in association with the School of Education, held the third annual CAPE History Teachers' Workshop on 5 December 2015 for High school teachers of CAPE History. The workshop was attended by 26 teachers from 20 schools within and outside the Corporate Area, and involved two sessions: Teaching for the Development of Historical Thinking and Using the Skills of the Historian. Each participant was presented with a Resource Package which included a Workshop Resource booklet and brochures outlining career avenues for graduates with a degree in History.

Re-interment Ceremony

The Department participated in the Re-interment Ceremony organised by the Mona Campus Heritage Committee and held on 7 February 2016 of the remains uncovered in January 2012 near the Basic Medical Science Complex. Rev. Trevor Edwards, UWI Mona Campus Chaplain, Rev. Bosworth Mullings of the UTCWI officiated and Bishop Donovan Morgan of Mount Carmel Revival Mission performed the rites for the re-interment. The University Singers, and Revival Drummers provided very appropriate and moving musical renditions. Students in the History and Archaeology Society along with members of the Department formed a procession as the remains were driven from the West Road Archaeology Lab to the site for re-interment at the West Road Park. Pro Vice Chancellor and Principal of the Mona Campus, Professor Archibald McDonald read a message on behalf of the Campus, and Dr. Kathleen Monteith, Head of the Department delivered the Statement of Purpose which outlined the discovery, its significance and the steps that were taken to prevent any further disturbance of the gravesite. The Ceremony was chaired by Dr. Aleric Josephs, Chair of the Mona Campus Heritage Committee.

Promotional Activity

Ms Karreene Morris, a graduate student in the Department gave an interactive presentation on the importance of a degree in History for national development to High School students attending the CAPE History Lecture Series. Dr. Jenny Jemmott coordinated the Department's participation in the Campus' Research Days activities during which the Department's course and programmes were promoted. The Department's Website and Facebook continued to be periodically updated under the supervision of Dr. Julian Cresser, assisted by Mrs Rudy-Ann Dennis Copeland. For AY2015/16, eighteen activities were posted to the FaceBook account, and currently there are 591 likes as of May 11, 2016, compared with 475 likes in May 2015.

CONFERENCE/SEMINAR PAPERS

Zachary Beier

- “Dwelling Practices at the Cabrits Garrison Laborer Village, Dominica”, 81st Annual Meeting of the Society for American Archaeology, Orlando, Florida, April 2016. 13 pp.
- “‘Garrison Culture’: A Living History of the Ruins at Fort Rocky, Kingston Harbor”, 14th Symposium of the Archaeological Society of Jamaica, The UWI, Mona, March 2016. 16 pp.

Jonathan Dalby

- “Precursors to Morant Bay: The Pattern of Popular Protest in Post-Emancipation Jamaica 1834–65”, The Terror Spread: The Morant Bay Rebellion and Jamaican History Conference, The UWI, Mona, 22–25 October 2015. 37pp.
- “Race or Place? Investigating the Roots of East Indian Violence in Nineteenth-Century Jamaica.” Department of History and Archaeology Staff/Graduate Seminar, The UWI, Mona, 27 November 2015. 30pp.
- “‘What I take from my master...he loses nothing by its transfer.’ Property Crime and its Prosecution in Post-Emancipation Jamaica, 1835–99”, British Academy Research Network on Crime and its Representation in the Anglophone Caribbean, 1834–2018, University of Leicester, UK, 12 July 2016. 38pp.

Jenny Jemmott

- “Surviving the Suppression: The Significance of Black Testimonies in the Aftermath of the Morant Bay Rebellion,” The Terror Spread: The Morant Bay Rebellion and Jamaican History, The UWI, Mona, 22–25 October 2015. 10pp.

Aleric Josephs

- “Jamaica Before and After October 1865: A Laywoman's Views”, The Terror Spread: The Morant Bay Rebellion and Jamaican History, The UWI, Mona, 22–25 October 2015. 26pp.

Enrique Okenve

- “Antes de la tradición: Dinamismo social, innovación y autonomía política en África ecuatorial, 1900–1915”, Universidad Nacional de Educación a Distancia (UNED), Centro de Estudios Afro-Hispánicos – III Seminario Internacional sobre Guinea Ecuatorial, 7 July 2016. 36pp.
- “The Power of the Past: Reconstructing Tradition in Colonial Equatorial Africa, 1938–1948”, Department of History and Archaeology, Staff/Graduate Seminar, The UWI, Mona, April 2016. 22pp.
- “From Indigenous to Oppressor: Power, Indigenization and Fang society in Equatorial Guinea, 1927–1979”, University of Leiden, Faculty of Archaeology – International Colloquium: Heritage and Rights of Indigenous Peoples, 22 September 2015. 19pp.

James Robertson

- “‘Maisons très-bien bâties’: opportunities for recovering a Jamaican townscape” and “Reconsidering the breaks in Jamaica’s urban past” at Workshop, Les territoires de la ville, de l’archipel des Antilles au plateau des Guyanes: espaces, sociétés et relations (XVIe-XXIe siècles), Université des Antilles, St. James Campus, Saint-Claude, Guadeloupe, 2 October, 2015. 22 pp. and 12 Ppt. slides.
- “Reflecting on Morant Bay and its aftermath: John Clarke’s ‘Dirge for the St. Thomas in the East Riot and Massacre’”, The Terror Spread: The Morant Bay Rebellion and Jamaican History, The UWI, Mona, 22–25 October 2015. 12pp.
- “Island Time: Disasters in the comprehension of Montserrat’s Past”, Department of History & Archaeology Staff/Graduate Seminar, The UWI, Mona, 5 February, 2016. 22pp.
- (With Peter Espute). “Jamaican Place Names in 1655”, The Archaeological Society of Jamaica, 14th Symposium, The UWI, Mona, 17 March, 2016. 3pp and 65Ppt. slides.
- (With Veront Satchell, Elizabeth Pigou). Round Table Discussion

of Louis Nelson's Architecture and Empire in Jamaica, The Archaeological Society of Jamaica, 14th Symposium, The UWI, Mona, 17 March, 2016. 3pp.

- "Strategic boundaries during the prolonged English campaign to hold Jamaica and their legacies On Edge: New Frontiers in Atlantic History", Southampton University, UK, 1 July, 2016. 8pp.

Robert Sierakowski

- "A Shared History: Bolívar's Caribbean Sojourn and South American Independence," Simon Bolívar's "Jamaica Letter" After 200 Years: History, Sovereignty and Regionalism, Latin America and the Caribbean Centre (LACC), The UWI Regional Headquarters, 11 November 2015, 22 pp.

Matthew Smith

- (With Ishtar O. Govia). "Many Rivers to Cross: Regional/International Migration from Jamaica, 1960–1980", Writing Camp for Jamaica Return Migrants Study, University of Michigan, 26 June–1 July 2016. 15 pp.
- "All Are One: King, Civil Rights, and the Caribbean Experience", Martin Luther King Jr Lecture, Department of African and African-American Studies/Peoples of Caribbean and West Indian Descent, University of Michigan, 25 February 2016. 20pp.
- "No Direction Home: Exile and Politics in Late Nineteenth Century Haiti", l'École des Hautes Etudes Sciences Sociales (EHESS) Paris, France 18 December 2015. 20 pp.
- "Liberty, Fraternity, Exile: Haiti and Jamaica after Emancipation", Caribbean Connections: A Look From Within-19th Century to Present, Miami, Florida, 21 November 2015. 10 pp.
- "Haiti at the Cross: The Polarity of Occupation," American Occupations, Winthrop-King Institute of French and Francophone Studies, Florida State University, Tallahassee, 9 November 2015. 20 pp.

- “Montgomery to Mona: King, the Civil Rights Movement, and Jamaica, 1955–1965,” *The MLK Moment, UWI & the 1960s*, The UWI-Museum, 6 November 2015. 12pp.
- “65: Imagining the Morant Bay Rebellion in Twentieth Century Jamaica”, *The Terror Spread: The Morant Bay Rebellion and Jamaican History*, The UWI, Mona, 22–25 October 2015. 25 pp.

Taka Oshikiri

- ‘Chanoyu in Woodblock Prints’. Kuzushiji Workshop, University Frankfurt, 23 July 2016. 15pp.
- ‘The Plum Tree Branch and the Mayfly: the Representation of Tea Ceremony in Japanese Popular Art Prints’, Staff/ Graduate Seminar, Department of Modern Languages, The UWI, Mona, 28 April 2016. 9 pp.

Swithin Wilmot

- “George William Gordon and Black Politics in Free Jamaica”, 48th Annual Conference of the Association of Caribbean Historians, Havana, Cuba, June 5–9, 2016. 23 pp.
- “The Road to Morant Bay: Politics in Free Jamaica, 1838–1865”, Keynote Address at *The Terror Spread: The Morant Bay Rebellion and Jamaican History* conference, The UWI, Mona, 22–25 October 2015. 25 pp.
- “Emancipation and Rebellion: Jamaica 1838–1865”, Colloquium on the Morant Bay Rebellion, Harriet Tubman Institute, York University, Canada, 13 October 2015. 27 pp.
- “The Significance of Morant Bay”, Address at the Opening of the Institute of Jamaica’s Exhibition on Morant Bay, 31 October 2015. 15 pp.
- “From Emancipation to Morant Bay: Jamaica 1838 to 1865”, African Caribbean Institute of Jamaica’s Symposium on the Morant Bay Rebellion, 29 October 2015. 22 pp.

REFEREED PUBLICATIONS

Books and Monographs

Matthew Smith

(Guest Editor). "Turning Our Heads to Haiti—A Special Issue,"
Caribbean Quarterly 62:1 (March 2016). 142 Pp.

Articles and Book Chapters

Julian Cresser

- "Norman Manley" Vol.4, pp.195-198; "Arthur Wint" Vol. 6, Pp.379–380; "Alfred Valentine" Vol. 6, Pp.245–246; "P.J. Patterson" Vol.5, Pp.94–97; "Michael Holding" Vol. 6, Pp.314–315; "Courtney Walsh" Vol.6, Pp. 324–325, *Dictionary of Caribbean and Afro-Latin American Biography*, Gates, Henry Louis Jr and Franklin W. Knight (Eds.) (New York: Oxford University Press, June, 2016).

Jenny Jemmott

- "Muriel Weekes" (Vol. 6, Pp.349–350), *Dictionary of Caribbean and Afro-Latin American Biography*, Gates, Henry Louis Jr and Franklin W. Knight (Eds.) (New York: Oxford University Press, 2016).
- "Surviving the Suppression: The Significance of Witnesses' Testimonies before the Jamaica Royal Commission of 1866," *The Journal of Caribbean History*, Vol. 50: 1, 2016. Pp. 18–35.

Aleric Josephs

- "Mary Jane Seacole" (Vol. 6, Pp.34–37); "Theodore Sealy" (Vol.6, Pp.38–0), *Dictionary of Caribbean and Afro-Latin American Biography*, Gates, Henry Louis Jr and Franklin W. Knight (Eds.) (New York: Oxford University Press, 2016).

Kathleen Monteith

- “G. Arthur Brown” (Vol.1, Pp. 416–419); “George Stiebel” (Vol.6, Pp.137–140), *Dictionary of Caribbean and Afro-Latin American Biography*, Gates, Henry Louis Jr and Franklin W. Knight (Eds.) (New York: Oxford University Press, June, 2016).

James Robertson

- “‘That Vagabond George Stewart of England’: Leonard Howell’s Seditious Sermons, 1933–1940” in *Leonard Percival Howell and the Genesis of Rastafari*, Clinton A. Hutton, Michael A. Barnett, D.A. Dunkley and Jahlani A.H. Niaah (Eds.), (Kingston: The University of the West Indies Press, 2015). Pp.69–106.
- (Book Review) Louis P. Nelson, Edward A. Chappell with Brian L. Cofrancesco and Emilie Johnson, *Falmouth, Jamaica: Architecture as History*. Kingston: The University of the West Indies Press, 2014, *Jamaica Journal* 36:1–2 (2016), p.146.

Robert Sierakowski

- “Cantinas, Caciques y Clientelismo: El Estado Somocista en las Segovias,” *Revistas de Temas Nicaraguenses*, No. 90, 2015. Pp. 183–219.
- “Central America’s Caribbean Coast,” *Oxford Research Encyclopedia of Latin American History*, William Beezley, (ed.) (New York: Oxford University Press, 2016. 29 Pp.

Matthew Smith

- “Opening: Haiti Scene,” Introduction. *Caribbean Quarterly* Special Issue on Haiti, 62:1 (March 2016): Pp.1–6.
- “Jamaica Needs Haiti: Island Exchanges and Cultural Relations in the 1950s”. *Caribbean Quarterly*, Special Issue on Haiti, 62:1 (March 2016): Pp.13–38.
- “Capture Land: Jamaica, Haiti, and the United States Occupation”. *Journal of Haitian Studies* – Special Issue on the U.S. Occupation of Haiti, 21:2 (Fall 2015): Pp.154–179.

- “Daniel Fignolé,” (Vol.3, Pp.22–23; “Paul Magloire”, (Vol.4, Pp.168–169); “Dumarsais Estimé”, (Vol. 2, Pp. 475–477; “Sténio Vincent”, (Vol. 6, Pp.301–302; “Élie Lescot”, (Vol.4, Pp. 78–79; “Fabre Geffrard”, (Vol.3, Pp.119–120); “Bob Marley”, (Vol. 4, Pp. 223–227); “Jimmy Cliff”, (Vol.2, Pp.173-175); “Peter Tosh”, (Vol. 6, Pp. 202–204); “Mutabaruka” (Vol.4, Pp. 442–443); “Count Ossie”, (Vol. 5, Pp. 41–43); “Don Drummond”, (Vol.2, Pp.392-394); “Lee ‘Scratch’ Perry”, (Vol. 5, Pp.135–136); “Mortimer Planno”, (Vol. 5, Pp.184–185); “Clement Dodd”, (Vol. 2, Pp.366–368); “Alton Ellis”, (Vol. 2, Pp. 451–453); *Dictionary of Caribbean and Afro-Latin American Biography*, Gates, Henry Louis Jr and Franklin W. Knight (Eds.) (New York: Oxford University Press, 2016).
- (Book Review). Sarah Fanning, *Caribbean Crossing: African Americans and the Haitian Emigration Movement*. *American Historical Review* 121:2 (April 2016): Pp.624–625.
- (Book Review). Alex Dupuy, *Haiti: From Revolutionary Slaves to Powerless Citizens: Essays on the Politics and Economics of Underdevelopment, 1804–2013* (London: Routledge, 2014). *Journal of Haitian Studies*. 21:2 (Fall 2015): Pp.380–383.

Swithin Wilmot

- “The Road to Morant Bay: Politics in Free Jamaica, 1838–1865”, *Journal of Caribbean History* 50:1, (June 2016), Pp. 2–17.
- “Paul Bogle”, (Vol 1, Pp. 354–6); “George William Gordon”, (Vol 3 Pp. 189–93); “Edward Jordon”, (Vol 3, Pp. 434-6), *Dictionary of Caribbean and Afro-Latin American Biography*, Henry Louis Gates, Jr. and Franklin W. Knight (Eds), (Oxford: Oxford University Press, 2016).

PUBLIC SERVICE

Julian Cresser

- Member, Board of directors, the Jamaica National Heritage Trust
- Member, Jamaica Cricket Association Player Development Committee

Zachary Beier

- Member, Executive of the Archaeological Society of Jamaica

Aleric Josephs

- Chief Examiner, CAPE History, Caribbean Examination Council
- Member, Programme Panel, the Department of Humanities (English and History), Northern Caribbean University, Jamaica, May 13, 2016
- Coordinator, Teachers with a Mission (TWAM, integrating faith, social work and pedagogy), Hope Fellowship Church, September 2015

Kathleen Monteith

- Editor, *Journal of Caribbean History*
- Member, National Library of Jamaica's Collections Development/Information Systems and Services and Management Committee
- Member, Memory of the World Committee, UNESCO, Jamaica.
- Regional Advisor, OAS Cultural Heritage Workshop, 6–8 May 2015, Bridgetown, Barbados

James Robertson

- Editor, *Jamaican Historical Review*, 2015.
- Member, Board of Directors, the Jamaica National Heritage Trust.
- Member, Advisory Board, Caribbean Heritage Network.
- President, Archaeological Society of Jamaica.
- Vice President, Jamaican Historical Society.
- Member, National Archives Committee.
- Member, Editorial Board of *Journal of Early American History*.

Matthew Smith

- Member, Museums Board, Institute of Jamaica.
- Chair, Content Sub-Committee, Museums Board, Institute of Jamaica.
- Member, Advisory Board, H-Haiti (H-Net).

Waibinte Wariboko

- Member, Editorial Board, *Notes and Records: An International Journal of African and African Diaspora Studies*.
- Member, Editorial Board, *Onyoma: International Journal of Niger Delta Studies*.
- Member, Editorial Board, *Mbari: The International Journal of Igbo Studies*.

Swithin Wilmot

- Member, Editorial Board, *Journal of Caribbean History*.
- Member, Museums Board, Institute of Jamaica.
- Trustee, Board of Management, Archbishop Samuel Carter Fellowship Fund

INFORMATION ON STUDENTS

Student Prizes Awarded

The Gladwyn Turbutt Prizes for:

European History:	Jordan Craig
Archaeology:	Kavian Kennedy
Atlantic World History:	Desmond Saunders and William Holland
Historical Methodology:	Clayticia Daniel
Asian History:	Stephanie Parker
Heritage Studies:	Desmond Saunders and Kirt Henry

The Neville Hall Prize (History of the Americas): Sasha Gaye Solomon

The Walter Rodney Prize (African History): Lipton Matthews

The Elsa Goveia Prize (West Indian History): Nathan Vickers

DEPARTMENT OF LANGUAGE, LINGUISTICS AND PHILOSOPHY



Dr Lawrence Ojo Bamikole, BA., MA., PhD, *O.A.U, Ile-Ife.*
Head of Department

WORK OF THE DEPARTMENT

The work of the Department in 2015/2016 academic year was predicated upon the outcome of the Departmental Retreat held on May 19, 2015. On that occasion, some senior members of staff were selected to oversee each of the items of the Departmental Operational Plan for 2015–2017. It is gratifying to note that through the cooperation of these senior colleagues and the entire staff of the Department, the Department was able to meet some of its strategic objectives for the year 2015/2016. This is not to say that there were no challenges in the course of realising these objectives, it is hoped that in the coming academic year, the Department will continue to strive towards mitigating these challenges.

In the area of research, the University Research Days were held on February 17–19, 2016 and members of the Department participated fully by their contributions in different areas. Ms Tina Whyte presented

a poster on “English as a Foreign Language: Jamaican Children’s Response to English Sounds”. Professor Rakesh Mishra delivered a public lecture titled “Mahatma Gandhi: A Trans-Continental Crusader of Human Dignity” on Thursday February 18, 2016. Dr Caroline Dyche organised Public Speaking Workshops attended by students from Holland High and Port Antonio High Schools. The “Braadkyaas Jamiekan” App was launched and passersby were asked to try and read some of the news items then listened to the actual broadcasts. The television advertisement which was developed in March 2015 showcasing graduates of the Department was shown at specific intervals with displays of the various careers in linguistics. Ms Kadian Walters and Mrs Tasheney Francis-Holness coordinated these events.

In an effort to showcase the research conducted by post graduate students, the Department hosted its Postgraduate Research Day on May 19, 2016. In regards to the M.Sc. Speech-Language Pathology Programme, interviews were conducted to appoint the Director to kick start the Programme in the 2016/2017 academic year.

In the area of student development, Dr Michele Kennedy, Mrs Ama Ababio and Dr Sandra McCalla coordinated a stress management workshop for undergraduate students under the theme “The Silent GPA Killer: Stress” on Thursday March 17, 2016. Dr Lester Shields, Counsellor at the University Health Centre, delivered a presentation on the ways in which students can manage stress and improve their academic performance. Also, a staff-student liaison meeting for undergraduate students was held on March 31, 2016 to allow students to express their views regarding the delivery of their courses.

Within the English Language Section, Dr Vivette Milson-Whyte won the Principal’s Research Award for Best Research Publication (Book) in the Faculty of Humanities and Education for the 2014/2015 academic year for the work titled *Academic Writing Instruction for Creole-Influenced Students*. Dr Ingrid McLaren was appointed to serve as Associate Dean in charge of Outreach for the Faculty while Dr Caroline Dyche served as the Department’s representative on the Faculty’s Marketing and Outreach Committee for the academic year. Mrs Deidrea Dwyer-Evans, Mrs

Marilyn Hall-Ricketts and Mrs Lileth O'Connor-Brown attended the International Writing Across the Curriculum Conference in Ann Arbor, Michigan from June 23–25, 2016.

The Linguistics Section underwent a Quality Assurance Review from Monday, March 9, 2015 to Friday, March 13, 2015. An Action Plan was developed which was presented to both Faculty and Academic Boards and received approval during semester II of the 2015/ 2016 academic year. The Section held a Cross Campus Meeting on April 18–19, 2016 at the Mona Campus with counterparts across the three campuses: Mona, Cave Hill and St Augustine.

Dr Michèle Kennedy and Professor Silvia Kouwenberg (both of DLLP) and Dr Yewande Lewis-Fokum (School of Education) jointly undertook the design and pilot delivery of the course, Professional Development of Primary School Teachers (PDPST), requested and fully supported by the Ministry of Education. The course equips primary school teachers with background knowledge on the language situation in Jamaica and its impact in the classroom, and provides them with teaching strategies and skills intended to address the challenges for English language teaching in that context.

The Ministry of Education supported the development and pilot delivery of the course to grades 3 and 4 teachers from eight participating schools in the Greater Kingston area. They also received support from the Mona Principal, who approved a partial teaching release for Dr Kennedy and Professor Kouwenberg, while the School of Education and the Department of Language, Linguistics & Philosophy provided support in the form of classrooms, loan of equipment and administrative services. The pilot delivery has led to the fine-tuning of the course and a report on the pilot was submitted to the Ministry of Education. It was expected that further discussions would be held with the Ministry regarding island-wide delivery of the course. Of note, Professor Kouwenberg was appointed Deputy Dean in charge of Undergraduate Matters and Quality Assurance for the Faculty of Humanities and Education for the 2015/2016 academic year.

Ms Kadian Walters along with the LING 3399 – Language Planning class coordinated and delivered an Applied Linguistics Symposium under the theme “Forensic Linguistics: The Role of Language in the Tivoli Enquiry” on March 8, 2016. The symposium showcased research work done by undergraduate students of the Section in relation to the West Kingston Commission of Enquiry.

The first ever Linguistics undergraduate conference to be organised by the Department was also coordinated by Ms Walters under the theme “Discovering the World through Linguistics”. The event, hosted by the LOUD Linguistics Club was held on April 14, 2016.

The Philosophy Section held the annual Gandhi Day Celebrations on October 2, 2015 at the Faculty of Humanities and Education under the theme “Non-violence: A Weapon for the Strong”. A synopsis of the life of Gandhi was done by Dr Lawrence Bamikole. The Section, in collaboration with The Department of Literatures in English and CARIMAC, hosted the Third Africa World Documentary Film Festival from November 5–8, 2015 at the Neville Hall Lecture Theatre, Faculty of Humanities and Education. Additionally, the Section with the help of the Department held a very successful UNESCO World Philosophy Day on November 19, 2015. A panel discussion was held under the theme “Building Peace: Violence Prevention & Eradication”. The panellists included Mrs Maxine Henry-Wilson and Dr Herbert Gayle.

Within the Section, Dr Lawrence Bamikole and Ms Khimaja Connell’s proposed research project, titled “Outer and Inner Beauty: The Case of the Jamaican Woman” for the Principal’s New Initiative Grant was approved. Additionally, Professor John Bewaji received the Carnegie/CODESRIA Visiting Professorship to Department of Philosophy, University of Ibadan, Ibadan, Nigeria in Summer 2016. Ms Sandra McCalla, Assistant Lecturer, successfully defended her PhD thesis and was awarded her degree with high commendation. She also received the award for most outstanding thesis for the 2014–2015 academic year.

The English Language Proficiency Test Unit (ELPTU) conducted three (3) test sittings during the 2015/2016 academic year. A total of 1183

candidates sat the test during the sittings in December 2015 and April and August 2016.

The IELTS Centre at Mona continued to deliver the English Language tests along with the UKVI and LIFE SKILLS test. The expansion to the Mona-Western Jamaica Campus has proven successful as the candidate intake has exceeded the target. The UKVI and LIFE SKILLS tests were held on March 5, June 16 and July 14. For the period under review, 25 IELTS tests were delivered with a total of 1,086 candidates.

A new Assistant Coordinator, Ms Eureka Simpson was appointed on June 1, 2016. All examiners at the Centre were slated for recertification between February and March 2016 and Mr Mark Budworth from Costa Rica undertook the recertification exercise. In addition, two lecturers from the Department; Mrs Tasheney Francis-Holness and Mrs Paulette Bell-Kerr and a past student, Ms Gayon Williams, were accepted and approved by the British Council to be trained as examiners. They were successfully trained during this period. Ms Williams functions out of the WJC location.

The administrative staff were privileged to attend administrative training/updates in Rio de Janeiro, Brazil from May 15 to 18, 2016. One of the highlights included the presentation of a new registration system which would be implemented before the end of the calendar year.

The Centre was audited on July 15 & 16, 2016 and recommendations were currently being implemented. The Centre was visited in July by Josaine Alexander Chin, the new Caribbean Examination Manager as well as Alex Wood and Aaron Rogers from Central America. All pledged support for the Centre.

The Jamaican Language Unit (JLU) assisted the L331 class to collect research data on the language used during the West Kingston Commission of Inquiry. The JLU assisted with the data manipulation for the project. A petition aspect was added to this research where interested participants were asked to sign petitions to Parliament to pass the bill in the charter of rights on Freedom from discrimination on the grounds of language. The aim is to collect five thousand signatures.

The 21st Biennial Conference for the Society for Caribbean Linguistics was scheduled for August 2nd to 5th, 2016. The Unit spearheaded the local organizing committee for the conference which met regularly to make and discuss plans for the conference.

The MA English Programme made approximately 40 offers to candidates for the 2015–2016 academic year. Twelve (12) students were expected to graduate in October 2016. The revised MA in the English language programme was approved by the Academic Board in September 2016. The new programme was ready for offering in January 2017.

The Broadcast Jamaican Project continued with the daily news and the weekly current affairs programme. There were plans to expand and diversify the programme offerings.

The Writing Centre continued to offer individual coaching for 10 hours per week and writing workshops on various aspects of writing a research paper. In semester II, 2015/ 2016, the Centre partnered with the Mona Library's Information Literacy Unit (MILU) in an initiative that saw over 34 students visiting the Centre (over a 6-week period) to consult with a librarian on matters related to documentation of sources. "Writer's Wednesdays" was a follow up to information literacy sessions attended by all students registered in Foundation writing courses. It was hoped that this initiative would become a calendar activity as well as a source of research for both the Centre and the MILU.

PAPERS PRESENTED

- **Lawrence Bamikole.** "Promise is a comfort to a fool: A Critique of the Jamaican Conception of Promise" Paper presented at the Caribbean Philosophical Association Conference, under the theme, "Shifting the Geography of Reason XIII: Theorising from Small States, held at the University of Connecticut, Storrs, Connecticut between June 16–18, 2016.
- **John A. I. Bewaji** delivered the Final Plenary on "Africana Societies in Intellectual, Economic, Identity, Political and Governance Cross-

roads – Narratives of Struggles” at the Toyin Falola International Conference at Redeemers University, Ede, Nigeria, July 3–8, 2016.

- **John A. I. Bewaji.** “Institutionalizing National Bioethics Committees”, Market Place Presentation at the Global Summit of Bioethics on March 17, 2016, Berlin, Germany
- Andre Coy and **Keren Cumberbatch.** “On the use of technology for enabling communication with the deaf”, Oral presentation at UWI Mona Regional Disability Studies Conference 2016 held at Mona Visitors Lodge, March 16–17
- **Keren Cumberbatch.** “Communicating with the Deaf and Deaf Patient”, Am I Treating You the Right Way? Dealing with Special Needs Patients”, Oral Presentation at Jamaica Medical Doctors Association 6th Annual Ethics Conference held at Mona Visitors Lodge, Jamaica, February 7, 2016
- **Keren Cumberbatch** with Danielle Charles, Kimoy Francis, Kadian Gilpin, Dania Jones, Michellia Meredith, Sedaine Rubie, Roger Sawyers, Thea Stapleton, Apryll Williams. “The Perspectives of Clinical DDS Students on Treating Deaf Patients Attending UWI Mona Dental Polyclinic”, Poster presentation at the 52nd Annual Convention of Jamaica Dental Association held at The Pegasus Meridien, Jamaica, February 10–13, 2016
- **Kennedy, Michèle, Silvia Kouwenberg** and Yewande Lewis-Fokum. “Achieving Quality Education for All Children in Jamaica.” Paper presented at Promoting Child Rights Through Research: Annual Caribbean Child Research Conference. Jamaica Conference Centre, 4–6 November 2015. [Powerpoint Presentation]
- **Kennedy, Michèle, Silvia Kouwenberg,** Yewande Lewis-Fokum, Joan Hernandez. “Reviving the art of speaking English in Jamaica’s primary schools.” Paper presented at Growing the Arts: Rex Nettleford Arts Conference 2015. Edna Manley College for the Visual and Performing Arts, 15–17 October 2015. [Powerpoint Presentation]
- **Kennedy, Michèle,** Yewande Lewis-Fokum and **Silvia Kouwenberg.** “Linguistics and Education partnering in the professional development of teachers in Jamaica.” Paper presented (via Skype) at Linguistics

Research Day, UWI St Augustine, 24 March 2016. [Powerpoint Presentation]

- Lewis-Fokum, Yewande, **Michèle Kennedy** and **Silvia Kouwenberg**. “The Professional Development of Primary School Teachers Pilot in Jamaica.” Poster presented at Teachers for a Better World. Creating Conditions for Quality Education – Pedagogy, Policy and Professionalism: 60th World Assembly of the International Council on Education for Teaching. Jamaica Pegasus Hotel, Kingston, Jamaica, 18–21 July 2016. [Poster Presentation]
- **Kennedy, Michèle, Silvia Kouwenberg** and Yewande Lewis-Fokum. “PDPST – Professional Development of Primary School Teachers.” Paper presented in the Colloquium on Literacy and Language Education in a Creole Context: Policy and Practice. Society for Caribbean Linguistics 21st Biennial Conference, UWI Mona, 2–5 August 2016. [Powerpoint Presentation]
- **McCalla Sandra**. “What can we know for certain? A Contemporary Explanation.” Paper presented at the Caribbean Philosophical Association Conference, University of Connecticut, June 16–18, 2016.
- **McCalla Sandra**. “The relevance of Ethics in Higher Education Curriculum.” Paper presented at the International Journal of Arts and Sciences, University of Nevada, Las Vegas USA, March 21–25, 2016.
- **Vivette Milson-Whyte**. “Flipping International.” Paper Presented as part of the Transnational Composition Standing Group’s first Sponsored Panel under the theme “Transnational Composition: (Geo)Political Considerations for Writing Research, Publication, and Pedagogy” at the 67th annual Convention of the Conference on College Composition and Communication, Houston, Texas, April 2016. 10 slides + 6pp.

PUBLICATIONS

Books and Monographs

- **Professor John A. I. Bewaji**, (2016), *The Rule of Law and Governance in Indigenous Yoruba Society – A Study in African Philosophy of Law*. Lanham, Maryland: Lexington Books. 288 pages. ISBN: 978-1-4985-1837-6, Hardback; 978-1-4985-1838-3, eBook. <https://rowman.com/ISBN/9781498518376/The-Rule-of-Law-and-Governance-in-Indigenous-Yoruba-Society-A-Study-in-African-Philosophy-of-Law>

Refereed Journal Articles

- Silvia Kouwenberg. “Early morphology in Berbice Dutch and source language access in creolisation”. [Special issue on ‘Rethinking Creole Morphology’, ed. by Ana R. Luis.] *Word Structure* 8, 2 (2015): 138–159.
- **Silvia Kouwenberg** and Darlene LaCharité. “Arbitrariness and iconicity in total reduplication: Evidence from Caribbean Creoles”. *Studies in Language* 39,4 (2015): 859–879.
- **Ingrid McLaren** (2015). Laying the foundation, targeting the institutional: The trajectory of a WAC program in the sciences at a Jamaican University. *Educational Studies*, 4, 35–48.

Non-Refereed

- **Silvia Kouwenberg**. Nineteenth-century creolist work and its reflections on language and community [Review Article]. *Historiographia Linguistica* 43, 1 (2016): 209–222.
- **Vivette Milson-Whyte**. “Learning How to Write: New Approach Needed For Creole-Influenced Speakers.” *Mona Magazine* (May, 2016): 10–11.

Technical Reports

- **Keren Cumberbatch.** Report on Creation of Enhanced Curriculum: Phase 2 of Research on Language Learning and Teaching of Deaf Guyanese Students. Report commissioned by the Ministry of Education, Guyana through Deaf Association of Guyana. September 2015.
- **Keren Cumberbatch.** A Quality Plan for Deaf Education in Guyana – Report on Workshops in Phase 3 of Research on Language Learning and Teaching of Deaf Guyanese Students. Report commissioned by the Ministry of Education, Guyana through Deaf Association of Guyana. May 2016.

INCOME GENERATION

The income generating arms of the Department include: the Writing Centre, the IELTS Centre, the MA English Language programme, the ELPTU and Summer School. The Jamaican Language Unit (JLU) continued to provide printing services to the staff and students mainly in the Department. The IELTS Centre derived income from the tests offered during the period of which approximately one third was paid to the British Council as Centre fee quarterly.

PUBLIC SERVICE

Dr Vivette Milson-Whyte

- Member, Conference on College Composition and Communication (CCCC) Committee on Globalization of Post-Secondary Writing Instruction and Research.
- Council Member and Executive Committee Member, Girl Guides Association of Jamaica
- Editorial Associate/Reviewer for multiple academic journals.
- Guest Presenter on “Some Traditional and ‘IGNORED’ Challenges Creole-Influenced Students face in learning Standard English and

Some Strategies to overcome these Challenges” to CAPE Communication Studies Students at the Excelsior Community College School of Liberal Arts’ Jamaican Creole Lecture 2016, March 16, 2016.

- Keynote Presenter on “The University of the West Indies (The UWI) and The Queen’s Student’s Educational Journey” to 5th and 6th Formers at The Queen’s School, Kingston, February 19, 2016.

Professor John A. I. Bewaji

- Chairman, National Bioethics Committee of Jamaica (NBCJ-UNESCO)
- Member of the Steering Committee of the Global Summit of Bioethics, March 16–18, 2016, Berlin, Germany.
- Editor, *Caribbean Journal of Philosophy* Vol. 2, No. 1

Dr Keren Cumberbatch

- Board Member, Danny Williams School for the Deaf.

STUDENTS

Prizes awarded:

Foundation courses:

Best Student in FOUN 1012 – Donique Weston

Best Student in FOUN 1013 – Pepeatha Hart

Best Student in FOUN 1002 (Language Argument) – Ruth-Anne White

Linguistics

Best Level-II Theory Student – Serita-Gaye Levy

Level-III Theory Student – Kayla Webb

Level-III Non-Theory Student – Kayla Webb

Philosophy

Best Level II Student – Randy Davidson

The *John Reinecke Prize* for Best Pure Linguistics Graduating Major – Kayla Webb

DEPARTMENT OF LIBRARY AND INFORMATION STUDIES



Dr. Paulette Stewart, PhD *NCU, Jamaica*
Head of Department

WORK OF THE DEPARTMENT

Teaching and Learning

ARCM Programme

Programme Overview

Work continued on the development of the Graduate Programme in Archives and Records Management during the period under review. This degree programme was designed to provide postgraduate training in the fields of archive administration and records management for the first time in the commonwealth Caribbean. It is anticipated that the full degree will be offered in the next academic year, 2016/2017.

Courses Approved

The following courses were approved by the Faculty of Humanities and Education's Graduate Studies Committee and now form part of the 36 credit course offering in the ARCM Programme. These are as follows:

- ARCM6006: Memory & Recordkeeping in the Caribbean
- ARCM6007: Preserving & Managing Sound & Visual Media
- ARCM6008: Digital Curation

Courses Taught

In Semester 1, the course Fundamentals of Archives & Records (ARCM 6001) was taught both face to face and online. There was an overwhelming response to the advertisements from the region – including Guyana and Suriname – from persons interested in pursuing the course as Specially Admitted Students. Of the over twenty (20) persons who expressed an interest in the programme, only seven (7) persons finally registered and joined six (6) other students who were already registered in the Department's existing Library and Information Studies programme. In Semester 2, the course Records Management in the Digital Age (ARCM 6003) was offered in both face to face and online modes. Eighteen (18) persons pursued this course. The programme has been promoted throughout the region by direct contact with archival and records management institutions and through the Caribbean Branch of the International Council on Archives (CARBICA). Pending the approval of this programme, greater advertising and marketing will take place to include the private, heritage and educational sectors.

New BA Programmes

The DLIS decided to review the BA in Library and Information Studies based on:

- The recommendations made by the Quality Assurance Team in 2012 when the DLIS was reviewed;
- A need to broaden the professional specializations offered and improve the marketability of our graduates;

- The mandate to make the programme attractive to individuals interested in a career path in Information Studies, but who do not want to study the technical areas associated with librarianship;
- The Department's inability to offer Minors because the programme content is too narrowly focused on librarianship;
- The low student enrolment in individual courses;
- Feedback provided in departmental meetings with both part-time and full-time staff to consider suggestions regarding the restructuring of the programme;
- The feedback from the lecturers for each course; and
- The results of exit interviews conducted with final year students.

Based on the review the decision was taken to introduce a Bachelor of Arts in Information Studies, and to upgrade the current Bachelor of Arts in Library and Information Studies and rename it Bachelor of Arts in Librarianship.

Overview of Programme Description

The B.A. Librarianship is designed to produce graduates who will work in or manage a school library, a public library or a special library in the modern information environment. This three-year programme equips students with theoretical and practical knowledge and skills that can be applied in the library in which they will be employed, including highly-specialized skills related to cataloguing of print and electronic resources, creation of metadata, and so on.

The B.A. Information Studies is designed to produce graduates who will work in information units such as museums, galleries, archives and documentation centres. The resources in these information units are mainly primary sources and artefacts, which are organized using different cataloguing systems from that of libraries. Preservation of these resources is of utmost importance and is also done differently from that of the print and electronic resources found in libraries.

The Transition Process

New students entering the department in August 2016 will enroll in the new programmes. The current Year I students will transition to the new Bachelor of Arts in Librarianship in August 2016. Second and Third Year students who are now pursuing the Bachelor of Arts in Library and Information Studies will continue in this programme until they complete. Students can choose to transfer from the current programme to any of the new programmes, but equivalency between courses already completed in the old programme and the requirements of the new programme will need to be established on a case by case basis, and the student who chooses to transfer to the new programme may be required to take additional courses. Students currently registered in the Bachelor of Arts in Library and Information Studies will have until the end of the 2020–2021 academic year to complete the programme, after which all courses which are not a part of the new programme will be discontinued, as will the Bachelor of Arts in Library and Information Studies.

Graduate Studies and Research

Blended Learning Initiatives: MALIS and MLIS Programmes

The Department of Library and Information Studies (DLIS) began offering the Master of Library and Information Studies (MLIS) and the Master of Arts in Library and Information Studies (MALIS) in the blended learning mode in September 2015. The decision by the DLIS to offer the MALIS programme using a blended mode of delivery was informed by:

1. DLIS Strategic Objective to ‘enhance learning effectiveness’ which reflects the UWI, Mona Strategic Plan to provide “multiple and flexible paths for all constituencies to pursue tertiary education in their lifetime”;
2. UWI Strategic Plan to provide “high quality student experience as a platform for enhanced regional and international student success and long term commitment to the UWI”;

3. Global trends in Library and Information Science education for multi-modal delivery;
4. Increased global and national competition for students;
5. Decreasing student numbers and low student enrolment especially at the graduate level.

This blended approach was also considered because it would likely lead to an increase in the number of Caribbean students pursuing courses in the DLIS and so fulfil the mission of “providing leadership in managing the information needs of the Caribbean for the 21st century and beyond”. It is also possible that the programmes will reach a more diverse audience using this mode of delivery. In Semester I there were fifteen (15) online students and 20 in Semester 2. These students resided in:

Overseas: Antigua, Barbados, Bahamas, Belize, St. Maarten, St. Lucia and Trinidad & Tobago

Jamaica: Clarendon, Manchester, St. Ann, St. Catherine, St. James and St. Thomas

It also seemed that a spin off from the robust promotion for the online programmes resulted in additional face-to-face students as there were nineteen (19) new face-to-face students. This was an increase over the previous four years where the average intake for new graduate students was about ten (10). The total number of graduate students enrolled in both programmes was thirty-eight (38).

Staff/Graduate Research Seminars 2015/2016

The Department continued Staff/Graduate Research Seminars during the year with the following presentations.

Jessica McCurdy-Crooks

- An Evaluation of the Implementation of an Electronic Records Management System at a Quasi-Financial Institution, October 1, 2015.

Mark-Shane Scale

- Representations of Consultants and Consulting in Librarianship: A Narrative Analysis of Four Blogging Platforms, October 8, 2015.

Bernadette Worrell

- Where are they Now? Employment Patterns of DLIS Graduate 1990–2010: A Survey, October 16, 2015.

Mark-Shane Scale

- The Information Needs and Practices of Jamaican Home School Educators: A Proposed Study, March 31, 2016.

Kishana Munroe

- The Use of Open Source Integrated Library Systems (ILS): An Evaluative Case Study of two Academic Libraries, April 14, 2016.

Mark-Shane Scale

- Exploring the Demand for a New BA Programme in Information Studies at the UWI: A Proposed Study, April 15, 2016.

DLIS New Initiative Research

“Media and Information Literacy Levels at the Exit Stages of the Education System in Jamaican Schools”

The research project which has been ongoing since September 2013 is about 90% completed. The expected date of completion is October 31, 2016.

Research Forum

On November 19, 2015 the Department hosted its third Research Forum entitled, “Showcasing Research in Library and Information Studies to Inform Pedagogy and Practice.” The Guest Speaker was Prof. Ian Boxill, Director, Centre for Tourism and Policy Research at the UWI. A total of 6 researchers made poster presentations on research they conducted.

Kenneth E. Ingram Memorial Lecture

The 4th Kenneth Ingram Memorial Lecture was held in collaboration with the UWI Main Library, the UWI Archives and the National Library of Jamaica under the theme, “Archival Silences: A Call for Culturally Relevant and Pluralistic Archival Education, Research, and Practices.” The presenter was Dr. Kelvin White, Associate Dean for Faculty Development and Community College of Arts and Sciences, University of Oklahoma. This was held on Thursday, April 7, 2016 at the Multi-Functional Room, UWI, Main Library.

Summer Institute 2016

Summer Institute 2016 entitled, “PowerPoint and Mobile Apps for Information Professionals,” was held June 21–22 in The UWI Main Library. The focus was on technologies for designing, producing and presenting information visually to meet the needs of the 21st century. The presenter was Mark-Shane Scale, Lecturer in the Department. Twenty five persons attended.

Hosting of IASL Conference

DLIS hosted the International Association of School Librarianship Regional School Library Conference on July 12–15, 2016. The keynote speaker and workshop presenter was Dr. Ross Todd, Associate Professor, Department of Library & Information Science, School of Communication and Information, Rutgers University, USA.

UWI Research Days 2016

UWI Research Days, February 17–19, 2016 focused on the theme “UWI Mona: Driving Development through Research and Innovation.” The Department’s participation was coordinated by the librarian, Ms. Paulette Bowen.

Posters presented

- Where are they now? Employment pattern of DLIS graduates 1990 –2010: a survey – Bernadette Worrell
- A framework of creativity assessment for storytelling – Dr. Yan Wu
- Semantic structure in user response – Dr. Yan Wu
- Tablet adoption and implementation in academic libraries: a qualitative analysis of librarians' discourse on blogging platforms – Mr. Mark-Shane Scale

Workshop

- Critical Analysis of Information Sources – Mr. Mark-Shane Scale

Courtyard Exhibit

- Exploring DLIS Research

Lunch Hour Concert

- Performance by students – Garifuna Festival in Belize

OUTREACH AND PROMOTION

Promotion of the Department through outreach activities continued throughout the year with Dr. Rosemarie Heath serving as coordinator for outreach and promotion. The following activities were undertaken by Dr. Heath.

2015

- Accompanied the UWI Marketing and Recruitment team to Wolmers Girls School and Montego Bay Community College to promote the Department's programmes
- Delivered a lecture to fourth and fifth form students on "The ABC's of Choosing a Fitting Career" Mona High School on Career Day, 2015
- Delivered a two-hour lecture on research methods, to lower sixth

Department of Library and Information Studies

form students at Champion College (upon request of the librarian). The lecture focused mainly on citing references using the APA and MLA manuals in an attempt to avoid plagiarism in research.

2016

- Accompanied the UWI Marketing and Recruitment team to the Western Jamaica Campus of the UWI and delivered a two-hour lecture entitled, “Research and Writing: Maximizing SBA Scores, While Minimizing Frustration,” 6th form students from a mixture of high schools. This lecture was helpful in satisfying the requirements of the CAPE Caribbean Studies syllabus.
- Addressed a group of teachers and guidance counsellors regarding the programmes offered in the Department which would in turn assist them in influencing students to consider Library and Information Studies as a career choice.
- Addressed 3rd form students of Kingston College about the programmes of the Department
- Participated in a UWI promotional Expo at the Faculty of Medical Sciences. This Expo was geared towards informing potential UWI students and parents about the offerings of the UWI.

Further promotion of the Department’s programmes was also done by Dr. Paulette Stewart via Radio Mona 93 FM on January 28, 2016.

STAFF MATTERS

Academic Staff

- Dr. Paulette Stewart was appointed Head of Department commencing August 1, 2015.
- Mr. Mark-Shane Scale returned to the Department after 4 years of study at the University of Western Ontario, however, his dissertation is incomplete.
- The librarian’s position became vacant when Mr. Scale returned.

The post was advertised and interviews were held. Ms. Marissa McPherson was appointed librarian for the Department.

The following persons are no longer adjunct staff in the department since the beginning of the academic year: Mr. Matthew Blake, Dr. Beverly Pereira, Mr. Nicholas Graham, Mr. Carlton Samuels and Mr. John Aarons. New adjunct staff are Dr. Stanley Griffin, Ms. Antoinette Harriott and Mrs. Frances Salmon.

Award for Excellence

- Dr. Paulette Stewart won the Library and Information Association of Jamaica (LIAJA) Professional Award for Excellence on February 12, 2016 at the LIAJA Awards Ceremony held at the Mona Visitors' Lodge.

PAPERS PRESENTED

- **Baker-Gardner, Ruth.** "Give Them Wings: The Role of the Principal in Supporting New Teachers through Implementation of an Exemplary Induction Programme." Institute for Educational Administration and Leadership – Jamaica National Conference, Montego Bay Jamaica, August 20–21, 2015.
- **Stewart, Paulette.** "Going Against the Norm: Modernizing the Delivery of Library School Education to Increase Enrolment." Association for Library and Information Science Education (ALISE) Conference, Boston, USA. January 5–8, 2016.
- **Wu, Yan.** "The Role of Library in the Community about Children's Rights: A Content Analysis of Two National Newspapers." 10th Annual Caribbean Child Research Conference. Jamaica Conference Centre. November 4–6, 2015.
- **Wu, Yan.** "The Application of Two Different Types of Context in Teaching." The 7th International Conference on Information Technology in Education (CITE 2016), February 28 to March 1, 2016 in Beijing, China.

PUBLICATIONS

Book Chapter

- **Dr. Ruth Baker-Gardner** “Teacher Induction in the Caribbean”. In *Handbook of Research on Professional Development for Quality Teaching and Learning*. Ed. By Teresa Petty, Amy Good, and Michael Putman. Hershey: PA. Information Science Reference, 2016. 517–545.
- **Dr. Paulette Stewart** “Synchronous and Asynchronous Tools Optimizing Online Learning in the English-Speaking Caribbean”. In *Creating Teacher Immediacy in Online Learning Environments*. Ed. By Steven D’Agustino. Hershey: PA: IGI Global, 2016. 138–165.

Journals

- **R. Baker-Gardner**. “The Role of the Principal in New Teacher Induction”. *International Studies in Education Administration* 43.3 (2015): 39–57.
- **Y. Wu**. “Factors Impacting Students’ Online Learning Experience in a Learner-centred Course”. *Journal of Computer Assisted Learning* (2016): 1–14. Web.
- **Y. Wu**. “The Application of Two Different Types of Context in the Teaching of and Undergraduate Course”. *Open Journal of Social Sciences* 04.02 (2016): 8–13.

PUBLIC SERVICE

Dr. Paulette Stewart

- Member, National Committee for the Appointment of Master Teachers, Ministry of Education
- National Judge, Jamaica Library Service National Reading Competition
- Director, International Association of School Librarianship (IASL), Latin America and the Caribbean

- Chair, Planning Committee for Regional Conference, International Association of School – Librarianship (IASL), Latin America and the Caribbean
- Member, National School Library Policy Development Committee

Dr. Ruth Baker-Gardner

- Member, National Public Library Advocacy Committee
- Member, National School Library Policy Development Committee
- Chair, Secretariat of International Association of School Librarianship (IASL) Regional Conference
- Chair, Library and Information Association of Jamaica (LIAJA) Schools Section

Dr. Rosemarie Heath

- First Vice President/Chair, Awards Sub-Committee of the Library and Information Association of Jamaica (LIAJA)
- Chair, Programme Committee, International Association of School Librarianship (IASL) Regional Conference

Mr. Mark-Shane Scale

- Guest Assistant Editor for the *Africology: The Journal of Pan African Studies* (www.jpanafrican.org) for the issue on “Internet Access and Usage in the African World”

STUDENT MATTERS

Practicum/Internship

A total of seventeen students were placed at national, public, academic, special and school libraries in Jamaica and the USA. There were fifteen (15) undergraduate and two (2) graduate students.

Faculty/Departmental Awards

Additional Departmental Prizes

There were three new additions to the Departmental prizes, which were presented to students at the Faculty Awards Ceremony on November 5, 2015. The new prizes were:

- Hazel Bennett Prize for Best Grade in a Year I Management Information Systems Course
- Fay Durrant Award for Best Grade in LIBS3901 – Access to Information in the Caribbean
- Stephney Ferguson Award for Best Grade in LIBS6901 – Trends and Issues in Library and Information Work

The following represents the prizes and awardees:

- Year I – DLIS Alumni Prize for Best Grade – Nadina Shorter
- Year II – Commonwealth Library Association (COMLA) Prize for Best Grade – Nicoleen Saunders-Grant
- Dorothy Collings Prize for Best Grade (Year III – Graduating) – Shavonne Drysdale
- Dorothy Collings Prize for Best Grade (Postgraduate – Graduating) – Gemmel Drakes
- Gloria Baker Award for Best Grade in LIBS3006: Caribbean Schools & Public Libraries – Anneisa Brown-Lawrence
- Daphne Douglas Prize for Outstanding Professional Development – Demar Cornwall
- Most Outstanding Student in the B.Ed in School Librarianship Programme – Marilyn Munroe
- Hazel Bennett Prize for Best Grade in a Level I Management Course – Nadina Shorter
- Fay Durrant Award for Best Grade in LIBS3901 – Access to Information in the Caribbean – Krystelle Scott
- Stephney Ferguson Award for Best Grade in LIBS6901 – Trends & Issues in Library and Information work – Quemar Rhoden

In addition to the awarding of departmental prizes, recognition was given to Nadina Shorter, second year student; and Nicoleen Saunders-Grant, final year student, who were both listed on the Dean's Honour Roll for academic excellence. Nicoleen Saunders-Grant was also featured on the UWI Calendar for 2015/2016. Undergraduate students, Akime Reid and Moya Staple were also chosen from the Department for the CARICOM-paid summer internship programme which was undertaken in the summer 2016 at the CARICOM Secretariat Office of Trade Negotiation (OTN) on the UWI, Mona Campus.

UWI Library and Information Student Society (UWILISS)

The activities of the UWILISS began in Semester I with election of the new Executive team assisted by the society's faculty advisor, Dr. Sasekea Harris. The Executive went on to plan and execute three successful meetings surrounding the theme of Career Pride; as well as two fundraising events in the form of showing movies. The society was severely affected by poor attendance in Semester II and after three consecutive failed meetings they were discontinued. However, members from all three year groups volunteered to participate in a cultural piece to represent the department at the annual Lunch Hour Concert put on by the Humanities Faculty at Research Day 2016.

DLIS Needy Students Fund

A donation of Fifty Thousand Dollars (\$50,000.00) was made to the Department of Library & Information Studies by the Retired Members of the Library & Information Association of Jamaica (LIAJA) as a contribution to the Needy Students Fund, which was started in 2012.

INTERNATIONAL PARTNERSHIPS

UNESCO and NORDICOM

The Department, UNESCO and Nordic Information Centre for Media

and Communication Research (NORDICOM) are still in the process of conducting a feasibility study to determine:

1. The need and relevance for an international Media and Information Literacy (MIL) Institute;
2. How professionals/universities can get involved in a MIL Institute;
3. What should be an optimal and sustainable structure for an international MIL Institute?
4. The format and type of courses to be delivered at the MIL institutions/organizations.

VISITORS TO THE DEPARTMENT

The Department once again welcomed Dr. Kelvin White from the University of Oklahoma. Dr. White was the presenter for the Ken Ingram Memorial lecture. Discussion was held regarding the possibility of Dr. White serving in the Department as a Visiting Lecturer. In addition, the discussion included possible student exchange for students pursuing the Masters in Archives and Records Management Programme.

DEPARTMENT OF LITERATURES IN ENGLISH



Dr. Norval Edwards
Acting Head of Department

WORK OF THE DEPARTMENT

The 2015/16 academic year presented the Department of Literatures in English with several challenges as well as new opportunities that underscored the significance of UWI's role as the premier site of literary excellence in Jamaica. Despite staffing concerns and low student enrollment, we maintained a robust and packed schedule of activities that included public lectures, book launches, literary readings, film screenings, "Reggae Talks," creative writing workshops, our annual Poetry Clash Competition during Research days, interactive sessions and annual CAPE lectures and workshops for high school students and teachers. We also partnered with other departments and institutions such as the Institute of Caribbean Studies, Language, Linguistics and Philosophy, CARIMAC, the Jamaica Writers Society, the Book Industry Association of Jamaica, The National

Department of Literatures in English

Library, and the Creative Production Training Centre to host certain events. Our strategic initiative in creative writing was enhanced with the appointment of the award-winning St. Lucian poet, Vladimir Lucien, as Writer-in-Residence for the second semester. We continue to work on the recommendations from the department's Quality Assurance Review regarding a Creative Writing Minor, formal institutionalization of the Writer-in-Residence position, the introduction of a Creative Writing Minor, as well as an MFA in Creative Writing, the expansion of our film courses, and the establishment of a strong internship programme. The Department was given oversight of the interdisciplinary Liberal Studies programme, which had an enrollment of sixteen (16) students. This programme has expanded the current curriculum and will complement the prospective Creative Writing Minor and the MFA Creative Writing programme. The department's annual budget was increased by JMD\$1,000,000.00, and this greatly facilitated the range and scope of our activities and our ability to fund student field trips to Rose Hall Great House and the Calabash Literary Festival.

The Department offered three (3) courses in the summer: LITS2604: Creative Writing: Prose Fiction, LITS3111: Contemporary Science Fiction and LITS3806: Popular Film and Ideology. These courses were taught by Part-time Lecturers Ms Diana McCaulay, Ms Shala Alert and Ms Mezan Morrison respectively.

Curriculum Development

The course LITS3801: Environmental Literature was reintroduced in Semester 1, and two new courses, LITS2111: Narratives of Migration and LITS2707: Reggae Narratives were approved. In semester two, Mr. Vladimir Lucien assisted in designing the Creative Writing Minor programme and also conducted a Creative Writing Poetry Workshop.

Graduate Studies and Research

The MA programme is being reviewed to upgrade the present credit rating from 24 to 35 credits. Given the situation, the Chairman of the

Committee for Graduate Studies and Research ruled that the MA programme should be suspended for the 2016/2017 academic year. The department intends to reactivate the MA programme for the 2017/2018 academic year.

The Graduate Students Welcome Social was held on Monday, September 7, 2015. The department was particularly pleased to welcome Mr. Tohru Nakamura, our first MPhil student from Japan, whose arrival coincided with the signing of an MOU between UWI and his alma mater, Sophia University.

Three (3) students, Whitney Eaton, Tohru Nakamura and Alexis Samuels were selected for the 2015/2016 Departmental Awards. Ms Eaton provided administrative support, and Mr. Nakamura and Ms Samuels provided Research Assistant duties for various research projects that were conducted by lecturers.

UNDERGRADUATE STUDENT MATTERS

Two (2) Departmental Consultative Committee (DCC) meetings were held for the academic year on Thursday, October 29, and March 31, respectively. Overall, the reports by the course representatives expressed a high degree of student satisfaction with lecturers and courses.

The Department hosted its annual First Year Social on Thursday, September 17. A Welcome Social was held with the Liberal Studies First Year students on Friday, October 2.

In Semester 1, undergraduate students, Shanese Whyte and Cornel Bogle won Canadian ELAP Exchange Scholarships to attend McMaster University and Brock University respectively.

The Annual Faculty Awards Ceremony was held on Thursday, November 5. Davia Andrews, Cornel Bogle, Judith Campbell-Jones, Serita-Gaye Levy, Xavienne-Roma Richardson, Shanese Whyte, Letay Williams and Yaundeen Wright were presented with departmental awards. The Perry Henzell/Trevor Rhone Prize was also introduced for the first time in memory of the late Jamaican film maker, writer, and creative spirit, Perry

Henzell, best known for his iconic film, *The Harder They Come*. The prize is for the student with the highest mark in the course LITS2606: Creative Writing: Screen and Stage, and it was won by Letay Williams.

Ms Tanya Shirley, Temporary Full-time Lecturer, coordinated the Poetry Clash Competition at the annual UWI Research Days held February 17-19, 2016. Unpublished poets (past and present UWI students) competed and the top three (3) winners received cash awards. Chenee Daley, Mark Smith, and Joel Moder won the 1st, 2nd, and 3rd prize respectively.

The department held its annual Career Talk on Thursday, April 7. The guest speaker was Petra-Kene Williams, Manager, Communications and Customer Service at the National Transport Authority.

SCHOLARLY ACTIVITIES AND OUTREACH

Annual West Indian Literature Conference

- Ms Lisa Brown, Dr. Michael Bucknor, Professor Carolyn Cooper and Dr. Anthea Morrison represented the department at the 34th Annual West Indian Literature Conference held October 1–3, 2015 at the University of Puerto Rico. The 35th Annual West Indian Literature conference will be hosted by the Department in collaboration with the Western Jamaica Campus (WJC) in Montego Bay on October 6–8, 2016.

Edward Baugh Distinguished Lecture

- Professor Glyne Griffith, Chair of the English Department at the University of Albany, delivered the 9th Edward Baugh Distinguished Lecture on Sunday, November 22 at the Sir Philip Sherlock Centre for the Creative Arts. His presentation was entitled, “How BBC Radio Served West Indian Literature: 1943–1958.”

Events

- The 8th Africa World Documentary Film Festival (AWDFF) was held November 6-8, in the Neville Hall Lecture Theatre (NI). The

festival was organised by the Departments of Literatures in English, Language, Linguistics and Philosophy and CARIMAC with sponsorship from the University of Missouri, St. Louis.

- The Sankofa Arts and Facilitation in association with the Department of Literatures in English successfully staged “Word Soul: The Turnt Up Edition” on Sunday, December 19 at the Sir Philip Sherlock Centre for the Creative Arts.
- Michael Katz, a co-founder of the Vancouver-based Tradewind Books (a children’s literature publishing firm), gave a Public Lecture, “Writing and Publishing Children’s Literature,” on Monday, March 14, in N5.

Workshops

- The Jamaican Writers Society in association with The Department of Literatures in English presented a workshop, “Wielding the Storyteller’s Net: The Spaces Between Words.” It was held on Saturday, November 7 and was conducted by Jean D’ Costa. Visiting Lecturer, Linton Kwesi Johnson conducted a one day Performance Poetry Workshop on Monday, January 25. Two Master Classes on Writing Fiction were held by Award-Winning novelist Marlon James. The first was held on Friday, February 12, while the second was held on Thursday, March 24. Participants received certificates of participation. The Department conducted a Creative Writing Poetry Workshop Series with Vladimir Lucien on Saturday, May 21 & 28. Participants received certificates of participation.

Meet the Author

- Visiting Lecturer, Linton Kwesi Johnson discussed his work with students in the LITS3504: West Indian Literature Special Author Seminar (Linton Kwesi Johnson) on Wednesday, January 27.

March Is Literatures in English Month

- The weekly Reggae Talks were held at the Medical Sciences Lecture Theatre, from March 1–31, and featured Linton Kwesi Johnson,

Department of Literatures in English

Mutabaruka, Bob Andy, Agent Sasco, Queen Ifrica, Tanya Stephenson, and Oliver Becker and Jonas Schaul.

- The Department partnered with the Kingston Book Festival on Sunday, March 6 to stage “Love Affair with Literature 6” featuring poetry and prose readings by A-dZiko Simba Gegele, Mel Cooke, Olive Senior, and Vladimir Lucien.
- Olive Senior, internationally acclaimed Jamaican writer and poet, launched her new book, *The Pain Tree* on Thursday, March 10 at the Undercroft. The Department in association with the National Library of Jamaica hosted a book launch for the 3rd edition of *On Holy Week* by Professor Mervyn Morris, Poet Laureate of Jamaica on Sunday, March 20 at the Neville Hall Lecture Theatre (N1).

INTERACTIVE DISCUSSIONS AND OUTREACH TO SCHOOLS

- Dr. Michael Bucknor presented CAPE Workshops in Literatures in English for the Mona-Western Jamaica Campus Open House on January 11 and 12, 2016. His presentation was entitled ‘How to Read a Poem.’ Ms Carolyn Allen also conducted two workshops on Dennis Scott’s play, *An Echo in the Bone*. She also did an interview on News Talk Radio.
- Olive Senior, internationally acclaimed Jamaican writer, visited the Department and had an interactive session with one hundred and eighty four (184) high school students on her poetry collection, *Gardening in the Tropics*, on Friday March 11 at the Faculty of Law, Lecture Room 3.
- The annual *CAPE Literatures in English Lecture/Discussion Series* with CAPE students was held on Friday, April 8 and Friday April 15 at the Tent. Three Hundred and Thirty Eight (338) students from 28 schools were in attendance. The presenters included Ms Carolyn Allen, Mrs. Janice Beckford, Ms Lisa Brown, Mr. Vladimir Lucien, Dr. Norval Edwards, Dr. Rachel Moseley-Wood, Mr. Dwight Pennycooke and Ms Tanya Shirley.

STAFF/POSTGRADUATE SEMINAR SERIES

The Department's Staff/Postgraduate Seminar Series featured Dr. Rachel Moseley-Wood, lecturer, who presented the paper, "Real/Reel Life in Jungle: Mediating 'ghetto life' in two films by Chris Browne" on Friday, November 27, and Professor Susan Visvanathan, a sociologist, social anthropologist, and fiction writer, from Jawaharlal Nehru University, New Delhi, India, who presented on the topic "Fiction as a Form of Documentation" on Friday, April 1.

PUBLIC ENGAGEMENT AND LINKS WITH OTHER UNIVERSITIES

Dr. Michael Bucknor

- Dr. Michael A. Bucknor presented the invited lecture "Canada in Black Transnational Studies: Austin Clarke, Affective Affiliations and the CBC" sponsored by McMaster University Library and the Department of English and Cultural Studies on September 15, 2015 at McMaster University, Hamilton, Ontario, Canada. He also presented a paper entitled "Beyond Windrush: Clarke, Race, Canada's Influence on Anglophone Caribbean Literature" in a Plenary Round Table at the West Indian Literature Conference on October 3, 2015 at the University of Puerto Rico. In October 2015, both Share News and The Caribbean Camera in Toronto reported on the McMaster University tribute to Louise Bennett-Coverley and Austin Clarke, whose works are being preserved at the McMaster University library. Dr. Bucknor represented the department at the inaugural Lignum Vitae Award Ceremony on November 6, 2015 and announced the winner of the Vic Reid Prize. The department is delighted at the resurrection of the Una Marson Prize and the expansion of the awards to include the new Jean D'Costa and Vic Reid Prizes; all three prizes now form the new Lignum Vitae Awards. Dr. Bucknor also participated in the Actor Boy Awards Judges Workshop held at the Knutsford Court Hotel on November 14, 2015. He has been appointed an Actor Boy Judge for the 2016 theatre year.

Professor Carolyn Cooper

- On August 20, Professor Carolyn Cooper gave a keynote lecture, “Hurricane Humor: Music As Resistance in Caribbean Popular Culture”, at the 10th Anniversary Katrina Conference, hosted by the Institute of Women and Ethnic Studies, New Orleans. On October 5, she delivered the Annual Lecture of the Africana Studies Program at the University of Tennessee, Knoxville. Her lecture was entitled, “‘The Unity is Submarine’: Submerged Narratives in Caribbean Literature and Popular Culture”. She also led a faculty seminar on interdisciplinarity on October 6. On October 15, Professor Cooper was a panellist at a public forum on “Gender-based Violence in the Caribbean”, hosted by the UWI Mona Model United Nations Club. Prof. Cooper presented the Distinguished Lecture titled, “Making Work: Capital Investment in the Humanities,” at The Inaugural ‘Ideas Matter’ Colloquium and Distinguished Lecture: The Cultural and Creative Industries, hosted by the Faculty of Humanities and Education on Friday, April 15 at the Neville Hall Lecture Theatre (N1).

Amina Blackwood Meeks

- On May 9, The Ministry of Education at a function to honour 6 retirees, recognized Ms Amina Blackwood Meeks for her outstanding contribution to education in Jamaica.

Ms Tanya Shirley

- Ms Shirley did a reading for a book club that has been around for over forty years, on March 1, 2016 at Caymanas Estate. She also read her poems in honour of International Women’s Day at the Reggae Talks featuring Bob Andy on March 8, 2016. Ms Shirley gave a talk to CSEC students at Dunoon Technical on March 10, 2016. She was also the featured guest on Miss Kitty’s Nationwide programme in March, discussing love poetry. Ms Shirley was recently appointed as one of the judges for the Small Axe Poetry Competition. She was the chief judge for the second round of the Talk the Poem island wide competition finals for high school students organized by the

Department of Education on April 11. She was also recently appointed to the board of Jamaica's Meatless Monday organization. Two of Ms Shirley's poems, "Imagining the Body" and "Ode to the Mosquito," were accepted for publication by *The Normal School literary magazine* published in California. Ms Shirley was featured as one of Jamaica's Game Changers by the online magazine mypatoo.com. Ms Tanya Shirley was a featured poet at the BIM Literary Festival in Barbados, May 12–14. Two of Ms Shirley's poems were published in the Spring Issue of *The Normal School literary magazine*, California, USA.

Dr. Lisa Tomlinson

- Dr. Lisa Tomlinson did a radio interview on Beyond the Headlines in relation to her column published in the Jamaica Gleaner on Wednesday November 25, 2015, titled "Cheap shot to blame mothers." Dr. Tomlinson was also a part of a panel discussion in December 2015 on TVJ's All Angles, in response to Dr. Herbert Gayle's study on "Brutal beating of sons by mothers create killers." Dr. Tomlinson was a Panel Judge for Half the World Global Literati for the months of May July 2016.

STAFF MATTERS

- Dr. Michael Bucknor and Dr. Anthea Morrison proceeded on Sabbatical Leave for the academic year 2015/2016. Dr Norval Edwards acted as Head of Department in Dr Bucknor's stead. Dr. Mawuena Logan, Senior Lecturer in the department, resigned from his position with effect from December 31, 2015. He served the university for ten (10) years and gave excellent and dedicated service to the department and university during his tenure.
- Dr. Lisa Tomlinson and Ms Tanya Shirley were employed as Temporary Full-time Lecturers for the academic year, substituting for Dr. Hilb who resigned from his position as lecturer w.e.f. July 8, 2015, and Dr. Bucknor respectively. Ms Shirley also served as the department's Events Coordinator for the year. Ms Carolyn Allen was

employed as Temporary Full-time Lecturer for Semester 1, and Part-time Lecturer for Semester II, substituting for Dr. Morrison. Dr. Lorna Down, Ms Amba Chevannes and Carlton Lowrie were also employed as Part-time Lecturers, and Dr. Aisha Spencer as a Tutor for Semester 1. For Semester II, the department welcomed Ms Amina Blackwood Meeks and Mrs. Barbara Collash as Part-time Lecturers, and Dr. Wendy Grant as Tutor. We also welcomed Mr. Vladimir Lucien who was appointed Writer-in-Residence, and Visiting Lecturer, Linton Kwesi Johnson for the period, January 24–28.

- The department advertised for and successfully filled three lecturer/senior lecturer positions to replace Dr. Benjamin Hilb (Drama and Film Studies), Dr. Mawuena Logan (American/African Diaspora Literary and Cultural Studies), and Professor Carolyn Cooper (Caribbean Literature and Popular Culture).
- Four (4) students, Latoya Briscoe, Renée James, Damar Najheer and Chad Robinson were employed as Student Assistants in the department for the academic year.

CONFERENCE PAPERS PRESENTED:

- On December 6, 2015, Dr. Michael Bucknor presented “‘Refashioning Futures’ for Jamaican Masculinities,” as the Opening Address for the National Gallery of Jamaica’s “Explorations IV: Masculinities” exhibition being staged between December 6, 2015 and March 5, 2016. His article, “Jamaican Masculinities and Artistic Representation,” also appeared in the National Gallery’s Catalogue for that exhibition. He presented the paper, “Canada in African Diaspora Studies: Austin Clarke, Affective Affiliations and Black Global Cultural Production” at the “Caribbean and Diaspora Dialogues in the University” Conference at Goldsmiths College, University of London, UK, June 27–29, 2016. He also presented the paper, “Horizons of Desire: Altered States of Conception in Caribbean Queer Speculative Fiction” at the 17th Triennial Conference of the Association for Commonwealth Literature and Language Studies (ACLALS) at Stellenbosch University, in South Africa, July 10–15, 2016.

- On October 1, **Prof. Carolyn Cooper** gave a paper, “Dem Naa Go Tired Fi See Bob Marley Face: Imaging the Legend In the International Reggae Poster Contest”, at the Annual West Indian Literature Conference, hosted by the University of Puerto Rico, Rio Piedras. Prof. Cooper also gave a paper entitled, "'Christopher Columbus Is a Damn Blasted Liar': Post-colonial Thought In Reggae/Dancehall Discourse", on a plenary panel at the conference, "What Is Post-Colonial Thought?", Université des Antilles, November 24, 2015.
- **Dr. Anthea Morrison** presented a paper entitled “Remember Us in Motherland: Africa revisited in Lorna Goodison’s Oracabessa” at 34th annual West Indian Literature Conference, University of Puerto Rico, October 1–3, 2015. Dr Morrison also presented the paper “Stories from England, stories from home: Competing voices in Caryl Phillips’ In the Falling Snow” at the 17th triennial conference of the ACLALS, Stellenbosch, South Africa, July 2016.
- **Dr. Rachel Moseley-Wood** presented a paper entitled “Lurking in the sub-text: Homoerotic Tension in Third World Cop” at the University of Chester conference, “Talking Bodies: An international, interdisciplinary conference on identity, sexuality and representation” held from March 31–April 2, 2015 in Chester, UK. She also presented a paper at the Caribbean Studies Association 40th annual conference in New Orleans, May 25–29, 2015 entitled “Dreaming History in Storm Saulter’s Better Mus’ Come”. Dr. Moseley-Wood presented another paper on Storm Saulter entitled “Telling Caribbean Stories: Storm Saulter’s Place in the New Caribbean Canon” at the Caribbean Cinema Now conference held as part of the activities of the Trinidad and Tobago Film Festival, held in Port-of-Spain, September 24–26, 2015. “Trying to Bridge the Divide: Postcolonial Film in Jamaica” was the title of a paper she presented at the Association for Commonwealth Literature and Language Studies (ACLALS) conference, held at Stellenbosch University, Stellenbosch, South Africa, July10–15, 2016.
- **Dr. Lisa Tomlinson** attended a conference at the University of the West Indies, Cave Hill on January 12–15. She presented a paper entitled “Literary Pan Africanism: The Literary work of Una Marson.”

PUBLICATIONS

Dr. Michael Bucknor

- “Looking from the Corners of his Eye: Kei Miller’s Slant-Eye Poetics”, Review of Kei Miller’s *Writing Down the Vision: Essays and Prophecies*. *Jamaica Journal* 36.1 & 2 (Dec) 2015. 138–140.

Dr. Norval Edwards

- Review of Alison Donnell, Maria McGarrity, and Evelyn O’Callaghan’s (eds), *Caribbean Irish Connections: Interdisciplinary Perspectives*. *Journal of Caribbean History* 50.1 (2016): 94–95.

Dr. Rachel Moseley-Wood

- “The Other Jamaica: Music and the City in Jamaican Film.” Special Issue on Caribbean Film in *Caribbean Quarterly* 61. 2&3 (2015).

Dr. Anthea Morrison

- Review of *And Caret Bay Again* by Velma Pollard. *Jamaica Journal* 3.1-2, 140–143.
- “Remember us in Motherland: Africa Revisited in Lorna Goodison’s *Oracabessa*”, *Journal of West Indian Literature*, 24.1 (April 2016), 9–26.

Dr. Lisa Tomlinson

- Review of Austin Clarke’s *Membering*’ in *Literary Review of Canada* (December 2015): 7–8.
- “Dancing Between Cultures: Claude McKay and the Harlem Renaissance” in *Critical Insights: Harlem Renaissance*. Ed. Varlack, Christopher Allen. Ipswich, MA: Salem Press, 2015: 248–264
- “Una Marson: Cultural and Literary Nationalist” in *African American Intellectual History Society* (online, March 26, 2016)

PUBLIC SERVICE

Dr. Michael Bucknor

- Editor, *Journal of West Indian Literature* (Regional Refereed Publication)
- Editorial Board Member, *Caribbean Quarterly* (Regional Refereed Publication)
- Member, Board of Readers, *Issues in Critical Investigation*, Vanderbilt University, USA.
- Senior Editorial Advisor, *Lucayos*, College of the Bahamas. (Regional Refereed Publication)
- Executive Member, Association for Commonwealth Literatures and Languages Studies (ACLALS)

Professor Carolyn Cooper

- Member, Board of Directors, Development Partners and Management International Limited, Kingston.
- Regional Editor (Caribbean), *Interventions: International Journal of Postcolonial Studies*, Routledge.
- Weekly column for the *Sunday Gleaner*

Dr. Norval Edwards

- Review Editor, Northern Caribbean University's peer-reviewed journal, *International Review of Humanities*
- Manuscript Reviewer for *Postcolonial Text*, *Journal of West Indian Literature*, *Small Axe* and *Transnational Literature*
- Member, Advisory Board, *Issues in Critical Investigation*, Vanderbilt University, Nashville, Tennessee

CATEGORIES OF STUDENTS

Undergraduate

Majors	31
First Class Honours	3
Liberal Studies Majors	16

Postgraduate

PhD	1
MPhil	3
MA	1

DEPARTMENT OF MODERN LANGUAGES AND LITERATURES



Dr. Paulette A. Ramsay, BA, MA, PhD *UWI*
Head of Department

INTRODUCTION

The Department of Modern Languages and Literatures established its Strategic Objectives which have proved to be critical to its successful operation, during the last five years. These Objectives, taken from the UWI's broad Strategic Objectives are:

STRATEGIC OBJECTIVES / GOALS 2015–2016

1. Curriculum Strengthening and Review
2. Collaboration with International Partners
3. Expanding research output and increasing number of graduate students

In preparation for the new academic year – 2015–2016, the Department, conducted a two-day Workshop in August 2015, in order to address a

number of critical and pressing matters designed to achieve these objectives. These included:

1. The Quality Assurance Report (QAR) for French and Spanish and Asian Courses.
2. Curriculum Strengthening and Review
3. Course Management and Teaching
4. Setting of In-course Tests and Final Examinations
5. Study Abroad.

The Quality Assurance Report (QAR) for French and Spanish and Asian Courses

It was important for faculty in these two sections to spend time to seriously consider and respond to the recommendations that were presented by the QAR Team, and design an Action Plan.

It is noteworthy that all recommendations for the Asian courses have now been acted upon with the exception of those that require on-going action. The most significant actions are (i) the Chinese Minor has been approved. This means that both Asian courses now have Minors which also include courses from the Department of History and Archaeology. (ii) A local full-time Japanese instructor has been employed to anchor the programme in light of the itinerant nature of persons who traditionally teach in the programme. This is expected to provide significant stability and sustainability to the programme.

Curriculum Strengthening and Review

Curriculum Strengthening and Review have proved to be a very necessary and on-going strategic goal. Each year, new concerns arise based on course delivery, students' performance and course evaluations. These need to be addressed for the improvement of courses and the viability of classes. The Staff / Students Liaison Meeting has provided important feedback on courses and facilitate on-going revisions.

Course Management and Teaching

Matters related to efficiency, the co-ordination of courses and effective employment of communicative teaching strategies were addressed and discussed with the use of supporting research. The Departmental Reports from Staff/Student Liaison Meetings were also used to address these issues. Students' comments, concerns/complaints about different courses, were extrapolated and discussed with a view to arrive at consensus on the best ways to correct them.

Setting of In-course Tests and Final Examinations

Effective and modern approaches to Foreign Language Teaching (FLT) and Testing were considered especially with a view to improve student performance in the courses in all five (5) languages. Pedagogical, ethical, student-friendly and student-centred approaches were examined for adoption in the enhancement of the management and conduct of in-course tests, as well as the performance of students in these in-course tests and final examinations.

Other matters discussed at the Workshops: (i) The Use of Skype in Foreign Language Teaching (FLT) and (ii) Promoting/Supporting Learner Autonomy.

Study Abroad

In the last five years, special efforts have been made to motivate our students to understand the centrality of Study Abroad programmes, in building linguistic competence and fluency in the respective languages that they study. New brochures that are specifically intended to promote Study Abroad have been designed and several sessions have been held to underline its indispensability to students. Students have not been as responsive as we would want them to be and so there is a need to re-think and strategize to get students to participate in programmes that are in place, on an on-going basis.

It is the view of many that our students do not participate in these

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programmes due to financial constraints. This can be inferred from the Chinese Section in which several students go to China every year on Exchange programmes through scholarships from the Chinese Government. The Department will also seriously consider seeking sponsorships in the future to support students who want to participate in Study Abroad programmes.

Next academic year, 2016–2017, as a result of persistent counsel, two students will participate, for the first time, in Exchange programmes to Dokkyo University in Japan and University of Tolima in Colombia, respectively.

Numbers in the Department

PRELIMINARY SPANISH COURSES			
Course Codes	Number of Students enrolled		
	Semester I	Semester II	TOTAL
SPAN0001/Basic	140 + 22 WJC* (4 groups)	110 (4 groups)	272
SPAN0101/Beginner's	96 (4 groups)	47 (4 groups)	143
SPAN1000/Intermediate	83 (4 groups)	77 (4 groups)	160

* WJC = Western Jamaica Campus

SPANISH LEVELS I, II AND III	
Level I Language = 142	Level I Literature = 13
Level II Language = 93	Level II Literature = 13
Level III Language = 69	Level III Literature = 27
TOTAL = 304	TOTAL = 53

SPANISH COURSES → GRAND TOTAL = 575 + 357 = 950

PRELIMINARY FRENCH PROGRAMMES		
Course Codes	Number of Students enrolled	TOTAL
FREN0001/Basic	47	47
FREN0101/Beginner's	99	99
FREN1000/Intermediate	87	87

FRENCH LEVELS I, II AND III	
Level I Language = 61	Level I Literature = 23
Level II Language = 28	Level II Literature = 12
Level III Language = 21	Level III Literature = 13
TOTAL = 110	TOTAL = 48

FRENCH COURSES → GRAND TOTAL = 233 + 158 = 391

PRELIMINARY PORTUGUESE PROGRAMMES		
Course Codes	Number of Students enrolled	TOTAL
PORTO 0101/Beginner's	39	39

JAPANESE LEVELS I, II AND III	
Level I Language = 129	
Level II Language = 40	Level II Japanese History Course = 8
Level III Language = 20	
TOTAL = 189	TOTAL = 8

CHINESE LEVELS I, II AND III	
Level I Language = 77	
Level II Language = 36	Level II Chinese Culture Course = 9
Level III Language = 14	
TOTAL = 127	TOTAL = 9

GRAND TOTAL → ALL LANGUAGE COURSES = 1,713

The numbers indicate that literature consistently has lower numbers than language. Several strategies are being devised to improve the numbers in literature. Similarly, there is need for more students, especially in French to move into Levels I, II and II from the Intermediate Courses.

Challenges

The on-going, perennial problem of the delay in the arrival of new foreign faculty was repeated due to the late processing/receipt of Work Permits. One Chinese Lecturer rejected the offer after four (4) months of waiting and another, Dr. Yu Wansuo waited for more than six (6) months to assume duties as the new Chinese Director of the Confucius Institute (CI). The new Volunteer arrived after more than five (5) months of awaiting the approval of the Work Permit.

The Chinese Section was severely affected by this problem and one Lecturer, Ms. Li, had to be assigned to cover teaching both at the Mona Campus and the Western Jamaica Campus every weeks, for two semesters.

The ICETEX Volunteer who returned to Columbia for summer vacations did not return due to the sudden death of his mother. The Spanish Timetable was thrown into upheaval as a result of this and was further exacerbated by unexpectedly large numbers of students at the Intermediate Level.

The French Section was also severely affected by the loss of the teaching position that has been supported by the French Embassy. This required the employment of several part-time persons and resulted in high increases in the part-time budget as well as serious timetabling issues.

Collaboration with International Partners

The Department in collaboration with the L'Agence Universitaire de la Francophonie (AUF) hosted an International Conference in which participants from French Departments in Universities from different French-speaking Caribbean nations: Haiti, Martinique, Guadeloupe, French Guyana, as well as Cuba and The Dominican Republic and

Quebec participated, along with faculty from Cave Hill and St. Augustine.

This was a very rich collaborative project which witnessed the full engagement of colleagues who are all in search of the best pedagogical strategies for helping students to acquire communicative competence in French.

This year, as part of the new Chinese Minor that was taught for the first time, students of the Culture Course will travel to China through the support of Hanban to see first-hand, some of the subjects they studied in this course. Students will undoubtedly benefit by this experience.

Columbian Embassy

The Department, along with the Government of Columbia and the Jamaican Ministry of Foreign Affairs, conducted for the third time, the Foreign Languages class for Jamaican Civil Servants from June to December 2015.

Heart for Change

The Government of Columbia provided Volunteers for the teaching of language classes in Spanish. Volunteers assisted with Conversation and Language Laboratory classes. This was very useful as regular Conversation classes could be divided into smaller groups which facilitated greater opportunities for practice for students.

The Embassy of Spain

The Spanish Embassy awarded DELE scholarships and licences for the AVE Examination to our students. These are crucial for giving students additional learning experiences in Spanish.

Mexican Film Series

The Mexican Embassy continued its screening of films in collaboration with the Department. This was well attended by students and other

members of The University and the general public. Movies included; Arráncame la Vida, and Pedro Páramo. Films are not only for entertainment, but also serve to reinforce the Spanish being taught in the classroom, as well as the study of literature.

SPECIAL PROJECTS/EVENTS

CAPE Workshop

The Department of Modern Languages and Literatures held its annual CAPE Workshop on 12th March 2016. Fifty-nine sixth-form students from seven schools across the island participated. The Department is seriously using this as a dual purpose project/ important outreach/ drive for recruiting new students.

Modern Languages and Literatures Day

The annual Modern Languages and Literatures Day was held 7th April 2016, under the theme, “Let’s Celebrate Languages!” More than three hundred (300) students from Secondary schools across Jamaica, teachers, diplomats, and other stakeholders attended and participated in a wide range of activities. This was indeed a highly-celebrated event. The Department is consciously using this event as an opportunity to raise awareness among students, of the importance of learning a foreign language in the age of increased globalization and border crossings and to increase our numbers in a sustainable manner.

Inter-Campus Theatre Festival

Two students, Miss Jodian Frame and Miss Krysten Nelson participated in the festival held at The St. Augustine Campus from 17th–18th May 2016. They represented Spanish and French respectively.

SPECIAL INITIATIVES

Outreach to Mona Primary School – (Public Service)

This year the Department taught classes to students at Mona Primary School. A team of lecturers from the Department organised and taught Spanish to a Grade 5 class of approximately forty-five (45) students. The members of the team included Dr. Paulette Ramsay (Co-ordinator), Miss Nadine Barnett, Mr. Ossain Martínez and Mr. Charles Ball. Classes were taught once per week. This public service initiative was part of a pilot programme aimed at assessing the possibility of teaching foreign languages at the Primary Level. The school's Principal was very receptive to the initiative and the classroom teacher was equally supportive. We were impressed by the students' level of participation and encouraged by their enthusiasm. Basic Topics such as, Greetings, The Family, Numbers, Parts of the Body, Description of persons, etc., were taught. Students were given a test at the end of each semester which produced good results from the majority. The highlight of their experience was the participation of fifteen (15) students in the Opening Ceremony on Modern Languages & Literatures Day at the University of the West Indies. They were taught a song by Miss Barnett which they sang and dramatized with excellence. We expect to continue this initiative and make adjustments where necessary for its improvement. Its relative success has demonstrated that with proper planning a foreign language at the Primary Level is a good initiative that will enrich the experience of the students. It has also paved the way for other languages to be taught at this school, and perhaps at other neighbouring Primary Schools in the future.

First Year Orientation

This was held 11th September 2015. Several lecturers presented on different topics as part of the process of initiating First-year Students and helping them to understand the culture of the department, as well as how to be successful University students.

Third-Year Sensitization Forum

This was organized by Dr. Lindy Jones and held on 1st March 2016. Several speakers presented on strategic issues of significant importance to students studying Foreign Languages, as they prepare to join the world of work or continue to graduate programmes.

Staff-Graduate Students Seminar

Participants this year included:

- **Dr. Taka Oshikiri**, Lecturer (Department of History), “The Plum Tree Branch and the Mayfly: The Representation of Tea Ceremony in Popular Japanese Arts Prints.”
- **Mr. Darrelstan Ferguson**, M.Phil. (Spanish Literature) – paper entitled, “Exploring the Poetics of Language in Cristina Garcia’s *Dreaming in Cuban* and *The Agüero Sisters*.”
- **Miss Dejon Lingo**, M.Phil (French) – paper entitled, “Listening: Crucial skill or Cinderella skill? Developing and enhancing the listening skills of Beginners in French.”

GRADUATE STUDIES NUMBERS

MPhil – 8

PhDs – 2

M.A. Translation – 9

The Department will continue to advertise its Translation Programme as its main postgraduate programme, but is mindful of the need to contain the registration given the limitations of resources for supervision and teaching in a very specialised area.

ACTIVITIES IN THE CONFUCIUS INSTITUTE

September 2015 saw the resumption of activities at the Confucius Institute. As of this date the members of staff were:

Dr. Courtney A. Hogarth, Jamaican Director

Professor Lu Shaogang, Chinese Director (On extension of stay)

Ms. Keneisha Sappleton, Senior Secretary

Ms. Li Yun, Mandarin teacher (assigned to the WJC)

Mr. Dong Xiaomin, Mandarin teacher

Ms. Li Jiaqi, Chinese Volunteer

Ms. Clair Dunn, Office Attendant

Regular Confucius Institute classes resumed in Chinese (Mandarin) and Tai Chi for members of the wider community (these are incoming generating programmes), along with teaching in the Department of Modern Languages & Literatures.

Mandarin classes continue at the UWI Mona Western Jamaica Campus.

The Shortwood Teacher's College suspended Mandarin classes for one academic year (2015–2016).

The Mid-Autumn Festival was celebrated with a reception at the Confucius Institute.

The Confucius Institute celebrated its annual Confucius Institute Day (international) on October 1, 2015, at the Faculty of Humanities courtyard. This was a joint effort between the CI and MLL, modelled somewhat on Modern Languages Day, as this afforded access to the high school population with which the MLL is already familiar.

In November, Dr. Courtney A. Hogarth conducted a Museum Study of Europe. This took him to several museums across Europe, where he viewed collections dating back to the 13th Century.

From December 5–8, Dr. Paulette A. Ramsay, Professor Lu Shaogang and Dr. Courtney A. Hogarth were in Shanghai, China, for the Annual Hanban Conference. During this time we met the incoming Chinese Director, Mr. Yu Wansuo. The meeting went well. Those issues relating to the overall functioning of the Confucius Institute were discussed. We also took the opportunity to meet with representatives from Taiyuan

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University of Technology, the partner institution through which the Confucius Institute is administered.

Chinese teacher, Mr. Dong Xiaomin, terminated his contract and returned to China, and Chinese Volunteer, Ms. Li Jiaqi returned to China at the end of her contract.

With the Chinese minor having been approved in the Department of Modern Languages and Literatures, teaching in Survey of Chinese Culture (CHIN2214), a course written by Dr. Courtney A. Hogarth, started at the Confucius Institute in January 2016. There were nine registered students in this course being taught by Dr. Hogarth.

On January 21, 2016, Ms. Zhang Xinshu, a new Chinese Volunteer, arrived from China. She will be based at Mona. On January 22, the Confucius Institute, in celebration of Spring and the Year of the Monkey, celebrated its Lantern/Spring Festival.

On January 28, 2016, the Confucius Institute hosted a send-off function for out-going Chinese Director, Lu Shaogang. This was attended by Principal, Professor Archibald McDonald, Dean, Professor Waibinte Wariboko, representatives from the Chinese Embassy in Jamaica, as well as members of staff of the UWI and individuals from the community.

On April 16, Miss Yu Yi, a Chinese volunteer, assumed tenure at the UWI Confucius Institute. On April 24, newly appointed Chinese Director, Mr. Yu Wansuo, accompanied by his wife, arrived in Jamaica.

With a break from Regional Meetings for three years, the UWI Confucius Institute was notified of a Regional Meeting of the Latin American and Caribbean regions to be held in Merida, Mexico, from May 12–15. Head of Department, Dr. Paulette A. Ramsay, newly appointed Chinese Director, Professor Yu Wansuo, and Jamaican Director, Dr. Courtney A. Hogarth, were in attendance. This meeting was quite fruitful, as it brought together all three Confucius Institutes functioning within the University of the West Indies. We had a brief breakaway session with all Directors/HODs from the three campuses, the youngest of which is the Cave Hill Confucius Institute, Mona being the oldest.

Further to the Regional Meeting, Dr. Paulette A. Ramsay and Dr. Courtney A. Hogarth journeyed to the Costa Chica region of Acapulco, where Dr. Ramsay had conducted valuable research towards her newly published book *Afro-Mexican Constructions of Diaspora, Gender, Identity and Nation*. In a ceremony organized by the locals, she presented her book to the municipality.

On May 30, Dr. Hogarth met with Ms. Anette Piper of the Caribbean Examinations Council (CXC) regarding a mandate given to the CXC to develop a curriculum for Mandarin in secondary schools to be rolled out by September 2017.

On May 30, the 15th Chinese Bridge – Chinese Proficiency Competition for Foreign College Students (Regional) was held at the Confucius Institute. This marked the inaugural Chinese Bridge Competition in Jamaica. It was covered by 3 university websites in TUT and 5 national websites across China.

On June 9, the Confucius Institute celebrated its annual Dragon Boat Festival. This was attended by the Chinese Ambassador, H.E. Niu Qingbao, the President of the Chinese Benevolent Association, Mr. Damian Chin, as well as Dr. Paulette A. Ramsay, Head of Department, MLL.

At the end of May an invitation was extended to Dr. Courtney A. Hogarth to lecture at the University of Havana. Through a Research and Publication Grant from the UWI, Dr. Paulette A. Ramsay and Dr. Hogarth travelled to Havana (June 13–17). In essence the trip was two-pronged: Dr. Hogarth would deliver his lecture, titled ‘An Introduction to Chinese Painting’ to students, staff and members of the community. At the same time, the University of Havana organized a programme which saw the gathering of valuable information on Wifredo Lam towards the publication of a book emerging from last year’s conference ‘Dragons in the Archipelago – The Chinese-Caribbean Experience’. The programme organized by the University of Havana was an excellent one, allowing an insight into Cuban art and academia, while yielding much valuable information. Drs. Ramsay and Hogarth attended several meetings with leading Cuban academics, artists, curators and educators.

On June 28, Dr. Paulette Ramsay, HOD, Modern Languages and Literatures, Dr. Courtney A. Hogarth, Jamaican CI Director and Prof. Yu Wansuo, Chinese CI Director conducted online interviews with two Chinese teachers (Bo Yingying and Guo Zhouya) in China and decided to employ both of them as teachers of Chinese in the Confucius Institute.

Eight Jamaican students applied for One-Year Confucius Institute Scholarships. Of these eight five were approved to study in China.

Kathieann Rosetta Young (contestant) and Kharisa Dawn Higgins (observer), two winners in the 15th Chinese Bridge – Chinese Proficiency Competition for Foreign College Students (Jamaica, Regional) were recommended by UWI CI and Chinese Embassy in Jamaica to participate in the Semi-finals and Finals in Beijing, China from July to August, 2016.

PUBLICATIONS

Dr. Marie-José Nzengou-Tayo

- Bob Lemoine. *Dictionary of Caribbean and Afro-Latin American Biography*. Franklin W. Knight and Henry Louis Gates, Jr. Editors-in-chief. Oxford: Oxford University Press, 2016.
- "Peck, Raoul." *The Encyclopedia of Postcolonial Studies*. Ray, Sangeeta, Henry Schwarz, José Luis Villacañas Berlanga, Alberto Moreiras and April Shemak (eds). Blackwell Publishing, 2016, pp. 1290-1292. Blackwell Reference Online. 19 February 2016. <http://www.literatureencyclopedia.com/subscriber/tocnode.html?id=g9781444334982_chunk_g978144433498220_ss1-7>
- Review of Frankétienne's *Ready to Burst*. English Translation by Kaima Glover. *Caribbean Quarterly: A Journal of Caribbean Culture*. Special Issue: Turning our Heads to Haiti – Guest Editor Matthew J. Smith. Volume 62, Issue 1, 2016, pp. 141–142. DOI: 10.1080/00086495.2016.1157254 (March 15, 2016).

Dr. Françoise Cévaër

- Contemporary Globalized Popular Cultures: Re-configuring Vodou Traditions in the Serialized Novels of Gary Victor Le Revenant”, in *Contemporary Caribbean Dynamics*, Ed. Savrina Chinien and Béatrice Bouffoy-Bastic. Ian Randle Publishers, Kingston, Jamaica, 2016, 126-139.

Dr. Paulette A. Ramsay

Books:

- *Afro-Mexican Constructions of Diaspora, Gender, Identity, and Nation*. The University of the West Indies Press, Mona, Jamaica. 2016
- *Star-Apple Blue and Avocado Green*. Ian Randle Publishers, Kingston, Jamaica. 2016

Article:

- “Racial Consciousness, Place, and Identity in Selected Afro-Mexican Oral Poems,” in *Black Writing, Culture, and the State in Latin America*, Ed. Jerome Branche. Vanderbilt University Press, Nashville, Tennessee, 2015, 193-211. 2015

Review Essay

- Oshun’s Daughters: The Search for Womanhood in the Americas. Vanessa K. Valdés. (New York: Suny Press, 2014, 209 pp.). *Caribbean Journal of Education*. vol. 38. no. 1. April 2016.

Dr. Maite Villoria

Journal Article:

- “Travestismo y cubanidad: El otro y yo tras la máscara”, *Cuadernos de Literatura*, Universidad Javeriana, Bogotá, Colombia No. 40, Volumen XX, June 2016.

Dr. Courtney Hogarth

Books:

Dewdrop (Poetry, Paintings/Drawings). Arawak Publications. 2016.

PAPERS PRESENTED AT CONFERENCES/SEMINARS

Dr. Marie-José Nzengou-Tayo

- “From Political Exile to ‘pure laine frisée’ Resident: Haitian migrants in Canada, Stories of Adaptation and Survival.” Haitian Studies Association. Montreal, October 22–24, 2015.
- “Haitian Women: Literary representations” Participation to a Plenary Session on Haitian Women. Haitian Studies Association. University of Montreal, Québec, Canada. October 22–24, 2015.
- “Impact de l’Occupation américaine sur la représentation des femmes dans la littérature haïtienne: hier et aujourd’hui.” Conférence internationale interdisciplinaire sur le genre. Université Quisqueya. (Port-au-Prince, 28–29 avril 2016).

Dr. Paulette A. Ramsay

- Guest Lecture: “Decolonizing Nature: Landscape in the Poetry of the Afro-Cuban, Jesús Cos Causse.” University of Western Ontario, Canada. March 2016.

Dr. Françoise Cévaër

- Dieuwalwé Azémar ou le personnage du loser dans la série policière de Gary Victor, presented at the Symposium intitled La Représentation du Loser, TexasTech University, March 2–4, 2016.

Dr. Courtney Hogarth

- “My Life in Art”. Edna Manley College of the Visual Arts. Kingston, Jamaica. (Invited). April 2016.

Ms. Nadine Barnett

- “The Spanish Language Education Policy for the Primary Level in Jamaica.”
- American Association of Teachers of Spanish and Portuguese (AATSP) Conference in Denver, Colorado, July 17–20, 2015.

Dr. Maite Villoria

- “Between stews and saints; (re)visiting the religious melting pot of Havana in *La cola de la serpiente*”. Instituto Internacional de Literatura Iberoamericana. Jena-Germany. July 19–22, 2016.
- “Hispanic Orientalism and Cuban diaspora: Rethinking meaning of Cubanness in contemporary Cuban narrative”. Asociación Internacional de Hispanistas, Munich-Germany. July 11–15, 2016.

PUBLIC SERVICE

Dr. Marie-José Nzengou-Tayo

- Member of the Selection Panel. Interviews of Candidates for the French Assistantship Programme. January 17, 2016. French Embassy in Kingston.
- External Examiner for French Literature course for Shortwood Teachers’ College
- Co-Programme Chair for the 41st Annual Conference of the Caribbean Studies Association held in Port-au-Prince, Haiti, June 6–11, 2016.
- External Advisor and Examiner for the Dissertation of Ms Renee Latchman at Morgan State University. (Defense: March 14, 2016).
- Examiner for DELF/DALF Oral and Written examinations at the Alliance Française de la Jamaïque. (June 24, 27 and 29; July 5, 2016)
- Panel Chair. “Gendering Response to Endangered Issues.” Haitian Studies Association 27th Annual Conference. Université de Montréal. Québec. Canada. October 22–24, 2016.
- Panel Chair. “Représentations sociales et assignations sexuées 1.” Conférence internationale interdisciplinaire sur le genre. Université Quisqueya. (Port-au-Prince, 28–29 avril 2016).
- Panel Chair. Opening Session No. 3: “Food Sovereignty, Agriculture and Economic Sustainability in Haiti.” Caribbean Studies Association 41st Annual Conference. June 6–11, 2016. Marriott-Port-au-Prince, Haiti.

Department of Modern Languages and Literatures

- Participation to the CSA Executive Meeting in Miami, Florida, September 25, 2015.
- Participation in the AUF Conference of French Departments in Caribbean Universities. UWI, Mona, December 4, 2015

Dr. Françoise Cévaër

- Observer for The OAS (The Organisation of American States) at the Presidential Elections in Haiti, October 2015.

Dr. Paulette A. Ramsay

- Member, CAPE Examining Committee, 2015–2016

Dr. Courtney Hogarth

- September 30, 2014 – Made a special presentation to the Students of St. Andrew High School on Modern Chinese Culture.
- September 2014 – Met with Heather Reid-Johnson, Principal of St. Hilda's High to discuss setting up of Mandarin classes at that institution.
- 2013–2015 – Organized and oversaw two delegations of High School Principals & Educators Fact-Finding Mission to China, in collaboration with Taiyuan University of Technology.

Ms. Nadine Barnett

- Part of a three-member team that taught Spanish at the Mona Heights Primary School on a weekly basis.

PROFESSIONAL DEVELOPMENT

Dr. Marie-José Nzengou-Tayo

- Training Workshop on the Use of Technology to Teach French. AUF Conference. December 5, 2015. UWI, Main Library.
- Training Session on the Use of EndNoteX7. Main Library, April 21, 2016.

Dr. Maite Villoria

- L Congreso Internacional de la AEPE, La Cultura Hispánica desde sus orígenes hasta el siglo XXI. Burgos, Spain. July 2015.
- Workshops and Seminars on ELE (Spanish as Second Language)
 - Use of Web 2.0 and the introduction of IT in classrooms
 - Film as teaching tool
 - Introduction of culture in language teaching.

Dr. Paulette Ramsay

- Visit to Western University – Ontario, Canada

AWARDS AND HONOURS

Dr. Marie-José Nzengou-Tayo

- Principal's Research Award (Article) February 19, 2016.
- Contribution to Consultancy Fund (2014–2015): JMD \$30,614.72

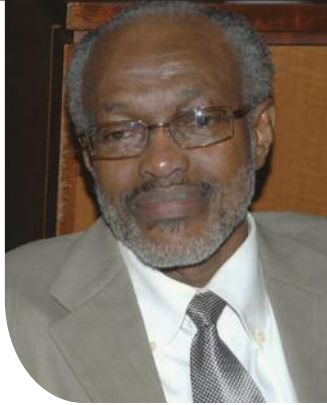
Dr. Nina Bruni

- Principal's Research Award (Book) February 19, 2016.

Dr. Paulette A. Ramsay

- 2016 Principal's Research Award (Article)
- 2015 UWI Special Initiatives Grant
- 2015 Emerging Leaders in the Americas Programme (ELAP) Fellowship to University of Western Ontario, Canada.

SCHOOL OF EDUCATION



**Professor Stafford Griffith, BA *UG*, MEd *UG*, PhD *UWI*, LL.B *Lond*
Director**

OVERVIEW

The repositioning of the School of Education (SOE) continued in the academic year 2015/2016. Specifically there was an emphasis on curriculum renewal, active pursuit of multi-modal delivery of courses and programmes, efforts to increase research and publications output and measures for the strategic recruitment and deployment of staff to support the development and change defined in the repositioning plan of the School.

The SOE Advisory Board that was established had one meeting during the 2015/2016 academic year. This meeting updated the Advisory Board members on the activities of the SOE and provided information on new initiatives such as the Caribbean Centre for Educational Planning (CCEP) and the newly approved M.Ed. Early Childhood Education (Pedagogy).

TEACHING AND LEARNING

The School of Education recruited two lecturers, one for Education for Sustainable Development, Global Citizenship Education and Peace Studies; and the other for Curriculum Instruction. A new Information Technology Officer was retained to replace one who resigned in the Summer of 2015. Approval was sought and obtained for a Master of Education in Educational Planning and Policy, a Master of Education in Higher Education Management and a Master of Education in Early Childhood Education.

One member of faculty was elevated to the position of senior lecturer. There were three book launches: a co-authored volume by Professor Halden Morris; an edited publication by Professor Morris and a book by Professor Stafford Griffith.

Table 1 provides a summary of the number of students who were awarded First Class Honours, Second Class Honours and Pass Degrees for 2015–2016 in the Bachelor of Education programme.

Table 1: Bachelor of Education Awards 2015–2016

First Class Honours	Second Class Honours		Pass	Total
	Upper	Lower		
5	23	27	6	61

Table 2 shows the number of students who completed the requirements in eleven specializations for the award of the Master of Education or Master of Arts degree in 2015–2016.

School of Education

Table 2: M.Ed. and M.A. Students Who Completed in 2015–2016

Specialization	No. Completed
Curriculum Development	23
Educational Administration	41
Educational Measurement	17
Educational Psychology	2
Language Education	2
Literacy Studies	3
Mathematics Education	11
Primary Education	–
Science Education	2
Teacher Education and Teacher Development	1
Technical and Vocational Education and Training (TVET)	6
Total	108

Table 3 provides the following summary information for Parts 1 and 2 of the Master of Arts in Teaching programme:

- Number of students who completed Part 1 in 2015–2016.
- Number of students who opted to pursue Part 2 in 2016–2017, having completed Part 1 in 2015–2016.
- Number of students who completed Part 2 in 2015–2016.

Table 3: Students Who Completed Parts 1 and 2 in 2015–2016

Track 1	Part 1		Part 2
	No. Completed	No. Proceeding to Part 2	No. Completed
History	1	–	–
Modern Foreign Language	n/a	–	–
Mathematics	5	–	–
Science	6	–	3
Social Studies	7	4	2
English	7	1	–
Information Technology	2	–	–
Total	28	5	5

At the Faculty Awards Ceremony held on November 5, 2015 the Madge Hall Prize was awarded to Oral Llewellyn for the most outstanding performance in Level I of the B.Ed. 90 credit programme. SOE prizes for most outstanding academic performance in Level II were awarded to Alfred Bennett and Jade Tingling while the Professor Aubrey Phillips Prize for the most outstanding academic performance in the final year was awarded to Khadijah Chin. The Professor John Figueroa prize for the most outstanding academic performance in the Postgraduate Diploma in Education was awarded to Alderean Williams-McDonald.

The Graduate Research Seminar and Awards Ceremony were held on Friday, July 1, 2016 in the Neville Hall Lecture Theatre. Dr. Iris Soutar made a presentation on her doctoral thesis: her dissertation was titled: An Evaluation of a Policy Implementation for a Bilingual Approach to Literacy Formation for Young Deaf Children. Ms. Jliese Clarke received

The Dr. Monica Brown Award for the best performance in the graduate online programmes and Ms. Woniqua Banton received the School of Education award for excellent academic performance. Ms. Clarke completed the M.Ed. in Educational Measurement and Ms. Banton completed the M.Ed. in Mathematics Education. Ms. Malita Rabathaly received the award for Most Outstanding Performance in Part II of the Master of Arts in Teaching Programme; her specialization was Science Education.

STRENGTHENING NATIONAL ENGAGEMENT AND INTERNATIONAL COLLABORATION

The School of Education and the Jamaican Ministry of Education collaborated in staging the Grade 9 Mathematics Problem-Solving competition which was held on Wednesday April 6, 2016. The purpose of the Problem Solving Competition was to help Grade Nine students develop the problem solving skills they need to function effectively in society. Approximately two hundred (200) students were in attendance. Three schools were awarded: Champion College came in first, Immaculate Conception High came in second and Wolmer's High School for Boys placed third.

The School of Education and the Caribbean Institute of Media and Communication (CARIMAC) in collaboration with the Faculty of Social Sciences and the UWI School of Nursing hosted a 5-day Mixed Methods Research Data Analysis Workshop at the UWI Regional Headquarters Building, from March 14 to 18, 2016. Approximately 65 persons were in attendance. Dr. Loraine Cook chaired the workshop planning committee.

The sixtieth assembly of the International Council on Education for Teaching (ICET) was held from Monday July 18 to Thursday July 21, 2016 at the Jamaica Pegasus. The theme of the conference was Teachers for a Better World: Creating Conditions for Quality Education – Pedagogy, Policy and Professionalism. The keynote speaker was Professor Emeritus the Hon. Errol Miller. Professor Miller spoke on Teacher Education in the Commonwealth Caribbean. Dr. Carol Gentles chaired the conference planning committee.

The School of Education hosted Professor Reynaldo L. Martinez Jr., Head of the Department of Adult and Career Education at Valdosta State University for Semester I of the 2015/2016 academic year as a visiting professor. The School benefited from Professor Martinez's expertise in a several ways. He made presentations to staff and students and provided critiques of some of the SOE's graduate programmes and taught postgraduate courses in Technical Vocational Educational and Training.

In addition, a memorandum of understanding has been signed between Valdosta State University and the University of the West Indies. This initiative will seek to facilitate cooperation in programmes of education and research and promote exchange among faculty and their students.

PROJECTS AND AWARDS

Retired Director of the School of Education, Professor Zellynne Jennings-Craig and Senior Lecturer in the SOE, Dr. Loraine Cook won the Principal's Research Award for best research publication. The article submitted for consideration was "Causes of absenteeism at the secondary level in Jamaica: parents' perspectives".

Ms. Clavia Williams, Assistant Lecturer and PhD candidate in the SOE received the Graduate Scholar Award for her presentation at the 23rd International Conference on Learning: Education in the Age of the Anthropocene, July 13–15, 2016, held at the University of British Columbia, Vancouver, Canada.

The INSIGHTS in Jamaica programme received a grant of three hundred and fifty thousand Jamaican dollars (JM\$350,000) from the Grace Kennedy Foundation in September 2015. These funds will be used to train school-based facilitators for the INSIGHTS programme during the 2016–2017 academic year.

In January 2016, the SOE commenced a new phase of programme implementation with ten schools identified and invited to participate in the Change from Within (CfW) programme. Thereafter, a funding proposal entitled 'Addressing School Violence through Leadership Capacity-Building, In-Service Teacher Development, and Youth Coaching:

Interventions of the Change from Within Programme in Jamaica' was developed.

The proposal was successful, with project activities being made possible through funding from the High Commission of Canada to Jamaica – Department of Foreign Affairs, Trade and Development through its Canada Fund for Local Initiatives (CFLI). The funding amount for this initiative was approximately CAN \$24,607.04. The Contribution Agreement signed in July 2016 scheduled activities for the period September 2016 to February 2017. These activities include the following:

- Development and delivery of three 2-day workshops to train middle management in: duties of teachers with special responsibilities; school systems and procedures; conflict management and restorative justice; safeguarding the child; mentorship; and the fostering of positive relationships.
- Development and delivery of two 2-day workshops on innovative and relevant methodologies including: project-based learning, cross-curricular approaches; outdoor learning; environmental education; use of the arts; and the use of silence, stillness, and reflection.
- Coaching and mentorship sessions with a small cohort of students to build self-esteem and confidence.

Expected outcomes of the project include school staff trained in middle management duties, conflict resolution and restorative justice skills, and innovative teaching methodologies, in order to improve management skills, foster relationships amongst all school stakeholders, resolve conflicts at all levels, and better engage students in the learning process. Additionally, it is expected that students will emerge with increased levels of self-esteem and enhanced abilities to articulate and address concerns in a constructive manner.

PUBLICATIONS UNIT

The Publications Unit launched its online site in July 2016, where both the *Caribbean Journal of Education* (CJE) and *The Journal of Education*

and Development in the Caribbean (JEDIC) have a presence. On the online site, each journal published inaugural issues. These were the *CJE* Vol 38, No. 1, a special issue themed “Changing the Landscape of Education in Urban Schools and Communities” and *JEDIC* Vol 15, No. 1. Prior to that, the Unit produced three other journals issues for the year, namely, the *CJE*’s double-issue: Vol 36, Nos 1&2 which included papers from the UWI 2013 Biennial Conference on Education, and *JEDIC*’s two special issues Vol 14, No. 1 – “The Caribbean Diaspora” and Vol 14, no 2: “Educational Reform in the Caribbean”. The online presence of the SOE’s journals is a significant achievement and is expected to improve the reach of the SOE’s publications.

The Publications Unit continued to market and sell its publications, notably at the UWI Research Day and at local symposia and conferences.

UPGRADING EFFORTS

Significant efforts have been made to increase the capacity and technological resources and enhance the aesthetics of the SOE. New computers were procured and deployed to areas of greatest need. We are continuing our efforts obtain additional computers to improve the efficiency of work in the SOE.

PAPERS PRESENTED

- **Bramwell-Lalor, S. & Rainford, M.** (2016, July) Assessment for learning: An investigation into biology teachers’ assessment views and practices. The International Council on Education for teaching (ICET); 2016 – 60th World Assembly, Kingston, Jamaica, pp. 8.
- **Cook, L.D., et al** (2016, August). Evolution of Mixed Methods Research in a Developing Region. MMIRA Conference 2016: Moving beyond the linear model: The role of Mixed Methods research in an age of complexity. The Calman Learning Centre, Durham University, United Kingdom (Presenters: Rohan McCalla & Leemoy Weaver).
- **Cook, L.D. & Lipps, G.** (2016, August). INSIGHTS into Children’s

Temperament: Evaluating a Behavior Management Programme. MMIRA Conference 2016: Moving beyond the linear model: The role of mixed methods research in an age of complexity. The Calman Learning Centre, Durham University, United Kingdom (Presenter: Prof. Garth Lipps).

- **Roofe-Bowen, C. & Cook, L.** (2016, July). Co-operating teachers, school placement and the implications for quality teaching. 60th World Assembly, International Council on Education for Teaching (ICET): Teachers for a better world: Creating conditions for quality education – pedagogy, policy and professionalism. Kingston, Jamaica. (Presenter: Dr. Carmel Roofe-Bowen).
- **Cook, L.D.** (2016, July). How blended learning opportunities enhanced students learning: A case study in a higher Education Environment . 23rd International Conference on Learning: Education in the age of the Anthropocene. University of British Columbia, Vancouver, Canada.
- **Ferguson, T.** (2016) Educators’ understandings of education for sustainable development in the Caribbean: Learning from the regional literature. Paper presented at the International Council on Education for Teaching (ICET) 60th World Assembly, Kingston, Jamaica, pp. 18.
- **Griffith, S. A.** (2015, October). The quality stamp of approval on Caribbean Examinations: The CXC lessons for higher education. Paper presented at the Caribbean Area Network for Quality Assurance in Tertiary Education (CANQATE) Conference on Quality Assurance and Socioeconomic Development in a Global Environment: Regional and International Perspectives, The St. Kitts Marriott Hotel, pp. 29.
- **Haynes-Brown, T.** (2016, July). A framework explaining selected Jamaican teachers’ use of Information and Communication Technology. Learner Conference, University of British Columbia, Canada, (27 slides).
- **Hutton, D.M.** (2016, July). Leadership Performance Model: Integrating Personal Qualities and Higher Order Skills. Paper presented under

the theme: “Teachers for a Better World: Creating Conditions for Quality Education – Pedagogy, Policy and Professionalism.” 60th World Assembly of the International Council on Education for Teaching (ICET). Pegasus Hotel, Kingston, Jamaica.

- **Hutton, D.M.** (2016, January). Leadership model for effective school leadership. Paper presented under the theme: “Leading Change: Empowering communities!”, Council of Community Colleges of Jamaica (CCCJ). Hilton Rose Hall Resort and Spa, Montego Bay, Jamaica.
- **Hutton, D.M.** (2015, August). Leadership model for effective school leadership. Paper presented under the theme: “Educational leadership and management: from nursery to university”. Institute for Educational Administration and Leadership – Jamaica (IEAL-J). Holiday Inn, Sunspree Resort, Montego Bay, Jamaica.
- **Hutton, D.M., Joong, P.Y. H. & Ramsawak-Jodha, N.** (2016, April). Improving learning strategies in Technical and Vocational Education and Training (TVET): Comparing the voices of teachers and students in six countries. Paper presented under the theme: “Global findings on Technical and Vocational Education and Training (TVET)”. World Education Research Association (WERA) Annual Meeting. Washington, D.C.
- Joong, P.Y. H., **Hutton, D.M.** & Ramsawak-Jodha, N. (2016, April). Improving learning strategies in STEM: Comparing the voices of teachers and students in the Caribbean. Paper presented under the theme: “Science education: strategies and skills” World Education Research Association (WERA) Annual Meeting. Washington, D.C.
- Joong, P.Y. H., **Hutton, D.M.** & Ramsawak-Jodha, N. (2016, April). STEM strategies in secondary schools. Paper presented under the theme: “Science education: Strategies and Skills” World Education Research Association (WERA) Annual Meeting. Washington, D.C.
- Joong, P.Y. H. & **Hutton, D.M.** Ramsawak-Jodha, N. (2016, April). Educating diverse democracies: comparing the voices of teachers and students on activity-based learning in eight countries. Paper presented

under the theme: “Public scholarship to educate diverse democracies” American Educational Research Association Annual Meeting, Washington, D.C.

- Joong, P.Y. H., **Hutton, D.M.**, Ramsawak-Jodha, N. & Anderson, S. (2016, April). Educating diverse democracies: comparing the voices of teachers and students on implementation of secondary reforms in seven countries. Paper presented under the theme: “Public scholarship to educate diverse democracies” American Educational Research Association Annual Meeting, Washington, D.C.
- **Kinkead-Clark, Z.** (2016, July). Toward the Changing Profile of Jamaica’s Basic School Teachers. Presentation at ICET Conference, Kingston; Jamaica, (18 slides).
- **Kinkead-Clark, Z.** and Cope, S. (2016, July). Supporting Early Childhood Teachers’ Facilitation of Language Development in Young Learners. ICET Conference, Kingston; Jamaica, (21 slides).
- **Kinkead-Clark, Z.** (2016, April). The Role of Teachers in Supporting the Development of Resilience in Young Children. Young Child Expo & Conference, New York; NY. pp. 12.
- **Kinkead-Clark, Z.** (2016, March). Promoting quality and equity in the educational opportunities for children at the early childhood level. Global Summit on Childhood, San Jose, Costa Rica, (18 slides).
- **Kinkead-Clark, Z.** (2015, November). Factors affecting the achievement of boys in Early Childhood Classrooms. Caribbean Child Research Conference 2015, at the Jamaica Conference Centre, Kingston, Jamaica, pp. 14.
- **McCallum, D.** (2016, July). Continuous Teacher Learning: Mentoring as Professional Development and for Developing Beginning Professionals. International Council on Education for Teaching (ICET). The Jamaica Pegasus Hotel – Hosted by the School of Education, The University of the West Indies, Mona Campus, (21 slides).
- **McCallum, D., & Davis-Morrison, V.** (2016, June). The Lesson Study in Teacher Education: Changing the way pre-service teachers

conceptualize teaching. Lilly Conference on Evidence Based Teaching and Learning. Bethesda, Hyatt Regency Hotel, Bethesda, Maryland, (23 slides).

- **McCallum, D.** (2015, October). The Morant Bay Rebellion and the Concept of Historical Significance – implications for the teaching and learning of Jamaican History. The Terror Spread: The Morant Bay Rebellion and Jamaica History. Department of History and Archaeology, The University of the West Indies, Mona Campus, (21 slides).
- **Morris, H.,** (2016, June). Preparing for MPhil Upgrade: Preparing Documents for Circulation. UWI Graduate Studies Unit Seminar. (9 Slides).
- **Morris, H.,** (2016, April). Big Data Analytic – How we can use /Interpret Data to make Decisions. 7th Annual Middle Managers' Conference. The Jamaica Pegasus Hotel, (20 slides).
- **Morris, H.,** (2016, March). Exploring Skills for Work and for Life. HEART Trust/NTA TVET Expose. Mandeville, Jamaica. (26 Slides)
- **Morris, H.,** (2015, October). Creating Opportunity Through Education: Re-engineering the Social Ecosystem for Black Males: The Caribbean Perspective on Black Males in Education. Invited Presenter at 4th International Colloquium on Black Males in Education. (19 Slides)
- **Newman, M. & Hordatt Gentles, C.** (2016, February) Towards an appropriate pedagogy for teaching qualitative research to Caribbean graduate students: theoretical insights from practice. Paper presented at the 28th Annual Ethnographic and Qualitative Research Conference, Las Vegas, Nevada, pp. 9 .
- **Newman, M.** (2015, August) Grappling with shades of Grey: Jamaican Principals' Experiences with Ethically Challenging Situations. Paper presented at National Conference for Educational Leadership and Management, Montego Bay, Jamaica, pp.9.
- **Rainford, M.** (2016, March). Importance of Practical Work in

School Science. Association of Science Teachers of Jamaica National Conference, Tropic View Hotel, Mandeville.

- Moore, S, & Rainford, M. (2016, July). Delivering a Teacher Professional Certification Programme via Dual Modalities: Evaluating the Experience. International Council on Education for Teaching (ICET) Conference. The Jamaica Pegasus Hotel, Kingston, Jamaica, (25 slides).
- Rainford, M. & Collins-Figueroa, M. (2016, July). Teachers' perceptions of implementing primary science education in Jamaica: Implications for their continuing professional development. International Council on Education for Teaching (ICET) Conference. The Jamaica Pegasus Hotel, Kingston Jamaica.
- Spencer, A. (2015, September). Resisting rites, preserving rights: Challenging the nation's taboos in Erna Brodber's *The World is a High Hill*. West Indian Literature Conference, Universidad de Puerto Rico, pp. 12.
- Stewart, S., & Rooft-Bowen Carmel. (2016, July). Seeing the self through and as the other: Reflective and reflexive praxis in higher education. Paper accepted and presented at the meeting of the 60th Annual International Council on Education for Teaching, Kingston, Jamaica, pp. 19.
- Stewart, S., & Paterson. N. (2016, May). Bridging the gap between access and persistence in higher education in the Caribbean. Paper presented at the meeting of the 25th European Access Network Conference, Dublin, Ireland, pp. 21.
- Stewart, S., & Paterson, N. (2016, April). Factors affecting student retention and graduation at the UWI Mona Campus. Paper presented at the meeting of the Global Higher Education Forum, Penang, Malaysia, pp. 16.
- Stewart, S. (2016, March). Advancing a critical and inclusive praxis: Pedagogical and Curriculum innovations for social change in the Caribbean. In C. Haynes (Chair), *Race, Equity and Higher Education*:

The Global Relevance of Critical and Inclusive Pedagogies. Symposium conducted at the meeting of the 60th Annual Comparative and International Education Society, Vancouver, BC, Canada, pp. 13.

- **Stewart, S.** (2016, February). Advancing a critical and inclusive praxis: Pedagogical and curriculum innovations for social change in the Caribbean. Paper presented at the meeting of the 15th Annual Diversity Summit on Inclusive Excellence, Denver, CO, pp. 13.

PUBLICATIONS

Books

- **Griffith, S.A.** (2015). *School Based Assessment in a Caribbean Public Examination*. Kingston, Jamaica: The University of the West Indies (UWI) Press, pp. 156.
- **Morris, H.** (2015). (Ed.). *Issues in Career, Technical and Vocational Education and Training: Lessons for the Caribbean*. Trafford Publishing, pp. 270.
- Tuitt, F., Haynes, C., & **Stewart, S.**, (Eds.). (2016). *Race, equity and the learning environment: The global relevance of critical and inclusive pedagogies in higher education*. Sterling, VA: Stylus Publishing pps. 9-22.

Chapters in Books

- **Morris, H.** (Ed.). (2015). Preparing Educators in TVET for Building Human Capacity: A Caribbean Experience. In *Issues in Career, Technical and Vocational Education and Training: Lessons for the Caribbean*. USA: Trafford Publishing, pp. 1–29.
- **Hordatt Gentles, C., & Newman, M.** (2016). Educating Teacher Educators: Towards a Curriculum for Preparing and Developing Teacher Educators in the Caribbean. In Maria Assuncao Flores & T. Al Barwani (Eds.), *Redefining teacher education for the post-2015 era: Global challenges and best practices*. Nova, pp. 173–188.

- **Hutton, D. M.** (2016) Caribbean Perspectives: Practicing successful and effective school leadership. In P. Pashiardis and O. Johansson (Eds), *Successful School Leadership: International Perspectives London*, UK: Bloomsbury Academic, pp. 165–177.
- **Spencer, A.** (2016). Experiencing Poetry: Transforming students' attitudes and responses to poetry through a hands-on approach to the teaching of poetry in a rural, non-traditional Jamaican high school. In *Transforming Learning: International Perspectives*. Eds. Ogunkola, B. & Blackman, S. Newcastle upon Tyne, UK: Cambridge Scholars Publishing.
- **Spencer, A.** (2016). Breaking the Mirror”: Reshaping perceptions of national progress through the representation of marginalized cultural realities in Caribbean Children’s Stories. In *The Routledge Companion to International Children’s Literature*. Ed. John Stephens. London: Routledge.
- **Spencer, A.** (2015). Unveiling shrouded sites: Reconstructing female identity and experience through spaces of interiority in Jamaica Kincaid’s “At the Bottom of the River”. In Faraclas, N., R. Severing, C. Weijer, and E. Echteld. eds. 2015. *Envisioning the Greater Caribbean*. Willemstad: University of Curaçao and Fundashon pa Planifikashon di Idioma.
- **Stewart, S.** (2016). Advancing a critical and inclusive praxis: Pedagogical and curriculum innovations for social change in the Caribbean. In F. Tuitt, C. Haynes, & S. Stewart (Eds.), *Race, equity and the learning environment: The global relevance of critical and inclusive pedagogies in higher education*. Sterling, VA: Stylus Publishing, pp. 9–22.
- **Stewart, S.** (2015). A mixed-methods study of extra lessons in Jamaica: Methodological experiences and reflections. In M. Bray, O. Kwo, & B. Joki (Eds.), *Private supplementary tutoring: Research horizons and methodological lessons from diverse cultures*. Hong Kong: Comparative Education Research Centre (CERC), The University of Hong Kong, and Dordrecht: Springer, pp. 195–213.

Book Reviews in Journals

- **Hordatt Gentles, C.**, Education in the Commonwealth Caribbean and Netherland Antilles by Emel Thomas, E. (Ed). *Journal of Education and Development in the Caribbean*. Inaugural Online Issue. SOE. UWI. Mona. Vol. 15, No.1, 2016. pp. 174–178
- **Spencer, A.** (2015). Representations of the reality of a people through the art of storytelling: The value of the parable in the short fiction of Jean Goulbourne. In *Journal of West Indian Literature*. Vol 23// No 1 &2// April/November 2015 (www.jwilonline.org)

Refereed Journal Articles

- **Bramwell-Lalor, S., & Rainford, M.** (2016). Advanced level biology teachers' attitudes towards assessment and their engagement in assessment for learning. *European Journal of Science and Mathematics Education*, 4(3), 380–396.
- **Cook, L. D.** Henry, A. & Fletcher, B. (2016). (Ed.). Special Issue: Transforming the Landscape of Education within Under-Resourced Urban Schools. *Caribbean Journal of Education*, 38 (1) (1–138).
- **Cook, L. D.** (2016). How a selected group of parents living in an under resourced community support their children's education. Special issue: Transforming the Landscape of Education within Under-Resourced Urban Schools. *Caribbean Journal of Education*, 38(1), 1–22.
- **Cook, L. D. & Jennings, Z.** (2016). Perspectives of Jamaican parents and their secondary school children on the value of education: Effects of selected variables on parents' perspectives. *International Journal of Educational Development*, 50, 90–99.
- **Cook, L.D.** (2015). Understanding Teachers' Efficacy Within A Caribbean Context. *Caribbean Curriculum*, 23, (2015), 121–141.
- **Hutton, D. M. & Dixon, R.** (2016). Technical and Vocational Education and Training (TVET) and its Integration into General Education, *Caribbean Curriculum*, Vol. 24, 100–126.
- **Hutton, D. M.** (2016). Critical factors explaining the leadership

- performance of high-performing principals. *International Journal of Leadership in Education Theory and Practice*, 1–21
<http://www.tandfonline.com/doi/pdf/10.1080/13603124.2016.1142118>
- Dixon, R. & **Hutton, D.M.** (2016). STEM and TVET in the Caribbean: A Framework for Integration at the Primary, Secondary and Tertiary Levels, *Caribbean Curriculum*, Vol. 24, 1-26
 - **Hutton, D. M.** (2016) The Rating of High Performing Principals' Performance on their Leadership Dimensions by Senior Administrators, Middle Managers and Classroom Teachers, *Research in Comparative and International Education*, Vol. 9, No. 1, 1–14
<http://rci.sagepub.com/content/early/2016/02/26/1745499916632423.full.pdf?ikey=0DLWlvK7Bc7u2Hy&keytype=finite>
<http://rci.sagepub.com/content/11/2/194.full.pdf?ikey=TzBHDQqs6PtCzs9&keytype=finite>
 - **Hutton, D. M.** (2012) (published 2016), Special Issue: School Constituents' Ratings of the Performance Dimensions of High Performing Principals Based on School Types. *Journal of Education and Development in the Caribbean (JEDC)*, Vol. 14, No. 2, 97-114.
 - **Hutton, D. M.** (2015) Governance, Accountability and Management: The Experience of the School System in the English Speaking Caribbean Countries, *Policy Futures in Education*, Vol. 13, No. 4, 500–517. <http://pfe.sagepub.com/content/13/4/500.full.pdf?ikey=8izTDvrEdPZWDhI&keytype=finite>
 - **Kinkead-Clark, Z.** (2016). Bridging the gap between home and school; perceptions of classroom teachers and principals. Case studies of 2 Jamaican inner-city schools. *Education and Urban Society*. DOI: 10.1177/001312451665895
 - **Kinkead-Clark, Z.** (2016). Select Caribbean teachers' perspectives on the socio-emotional skills children need to successfully transition to primary school. *Early Child Development and Care*. DOI: 10.1080/03004430.2016.1171762
 - **Morris, H.** (2016). The Role of Technical Vocational Education and Training in Economic Sustainability in the Caribbean, *Caribbean Journal of Education*, 38(1). pps. 23–49.

- **Roofe-Bowen, C.** & Bristol L., (Eds.). Educational Leadership and Management: Perspectives and Practices for the International Studies in *Educational Administration Journal* volume 43, number 2. (Special issue). June, 2016.
- **Stewart, S.,** & Haynes, C. (2016). An alternative approach to standardized testing: A Model that promotes racial equity and college access. *Journal of Critical Scholarship on Higher Education and Student Affairs*, 2(1), 123–137.
- Paterson, N., & **Stewart. S.** (2016). Predictors of student retention at the University of the West Indies, Mona Campus using Astin’s I-E-O assessment model. *Journal of Education and Development in the Caribbean Online*, 1(1), 105–127.

Non-Refereed Research-Based Scholarly Publication

- **Buddo, C.** (2015). Teachers’ Reflections on their Implementation of a Revised Primary Mathematics Curriculum. *The International Journal of Education and Research*. Vol 3. No 12, 199–214, online (ISSN: 2411- 5682) retrieve at www.ijern.com/journal/2015/December-2015/16.pdf

Technical Reports

- **Griffith, S. A.** (2016). Beta Test of CAPE Biology, CAPE Physics and CAPE Chemistry to Inform Syllabus Finalization by the Caribbean Examinations Council, pp. 227.
- **Griffith, S. A.** (2016). Needs Assessment to Inform Syllabus Revision for CAPE Computer Science and CAPE Information Technology by the Caribbean Examinations Council, pp. 124.

PUBLIC SERVICE

Dr. Sharon Bramwell-Lalor

- Examiner, CAPE SBA – Caribbean Examination Council

School of Education

- Interview panel member – The Ministry of Education, Youth and Information Math, Science, TVET Scholarships

Dr. Loraine Cook

- Member of Operation Save Jamaica Board
- Advisor to Operation Restoration Christian School

Dr. Therese Ferguson

- Judge, Talk the Poem National Poetry Recitation Competition, March 2016
- Judge, Scientific Research Council Oratory Competition, November 2015

Dr. Carol Hordatt Gentles

- Member of Board, VP for Caribbean & Latin America, ICET – International Council for Education on Teaching
- Conference Chair, International Council on Education for Teaching (ICET) 60th World Assembly: July 18–21, 2016. Hosted by the School of Education, UWI. MONA & the TCJ Teachers Colleges of Jamaica Conference Theme: Teachers for a Better World: Creating Conditions for Quality Education, Pedagogy, Policy and Professionalism <http://www.mona.uwi.edu/icetjamaica2016/>

Professor Stafford Griffith

- Chairman of the Technical Advisory Committee, the Caribbean Examinations Council for various sittings of examinations which include CAPE, CSEC, CCSLC and CPEA
- Member, Jamaica Teaching Council Advisory Body
- Member, Board for Jamaica Tertiary Education Commission
- Member, Senior Policy Making Group of the Minister of Education

Mrs. Tashane Haynes-Brown

- Workshop facilitator on Lesson Planning at Annotto Bay High School, June 17, 2016

Professor Halden Morris

- Council Member, National Council on Technical, Vocational Education and Training: Accreditation
- Chair, Institute of Electrical and Electronics Engineers (IEEE) Professional Activities – (Area 9, Jamaica)
- Chair, Institute of Electrical and Electronics Engineers (IEEE) Jamaica Education Society Chapter
- Chair, Institute of Electrical and Electronics Engineers (IEEE) Jamaica Consultancy Affinity Group
- Member of Advisory Committee: Caribbean Knowledge and Learning Network (CKLN)
- Member of Board, Vice Chairman – Vocational Training and Development Institute (VTDI)
- Member of Jamaica Bureau of Standards Technical Committees:
 - Member – Electrical Practices & Products
 - Chair – Energy Efficiency (Alternative Energy Sub Committee)

Dr. Mairette Newman

- Member of the Board of Management, Champion College
- UWI Representative Caribbean Examinations Council (CXC) National Committee

Dr. Carmel Roofe-Bowen

- Curriculum Specialist for the Ministry of Health, Jamaica

Dr. Saran Stewart

- Global Access to Postsecondary Education (GAPS) Ambassador, Hague, The Netherlands
- Board Member, MRC Family School Board of Directors

FACULTY OF LAW

Mona

Year ending July 31, 2016



DERRICK MCKOY, JP

LLB UWI, LLM Lond., MBA Barry, DBA NSU, PhD Leic

Dean

– *Dean’s Overview* –

FINANCIAL

The Faculty continued to offer seminars aimed at continuing Legal Professional Development. The target groups have been persons in the legal profession who require annual credits to fulfil the requirements of the General Legal Council (GLC), Government Official and other decision makers as we try to influence policies through research. These initiatives have been accredited by GLC and are well received by the professional community. For these seminars, the Faculty charges an administrative fee for processing certificates and facilitating the application to the Council for persons who are seeking credits from attending the session.

Members of the Faculty are encouraged to utilize OURVLE for sharing course material as we work towards reducing the cost of printing resources and also make resources more readily available to our registered students. We have also experimented with recording lectures and making them available via OURVLE or TWEN. TWEN is a storage space, similar to OURVLE, which is available to students as a feature of the WESTLAW database.

Rental of the facility for scholarly activities has continued with funds from this initiative being channeled to an account earmarked for building maintenance. These activities are monitored closely to ensure that the Faculty is in keeping with what is permitted by the Campus. For the

2015/2016 academic year approximately \$470,000 was realized from this initiative.

There has been a thrust to improve the number of students enrolled in the undergraduate and graduate programmes in the Faculty. This has included offers being made earlier and marketing of programmes through recruitment drives and with booths at conferences. The Faculty enrolled its first set of postgraduate students in the MPhil/PhD and LLM programmes this academic year. The UWI LLM had one student registered at Mona but doing courses being delivered at the Cave Hill and St Augustine Campuses via distance mode with the use of “My eLearning” and “Zoom” technologies. As the programme progresses it is expected that students at our sister campuses will also benefit from courses being taught at Mona in the Graduate Programme. There was a marginal increase (7%) in the registration numbers for the LLB programme for 2015/2016. Efforts to boost the numbers, especially at the Western Campus, will continue for 2016/2017.

The Mona Law Institutes Unit (MLIU) under the leadership of Dr Christopher Malcolm has been actively seeking grants from various institutions for research projects being proposed by the Unit. The Unit was created in January 2015 in an attempt to create a platform to enhance research in the Faculty, foster collaborations with external agencies and individuals in providing consultancy and other income generating services. MLIU has submitted an application to host the 9th Annual Global Alliance for Justice Education (GAJE) Conference in 2017. If successful, this major conference is expected to bring a high level of publicity to the Faculty, Campus and University.

EMPLOYEE ENGAGEMENT AND DEVELOPMENT

A small subsection of staff and students participated in a Spanish Language Training Programme organized by the Latin American--Caribbean Centre (LACC) of the Vice-Chancellor. Approximately 3 members of the administrative staff, 2 members of the academic staff and 25 students participated in the programme.

During the 2015/2016 the Faculty continued to subscribe to online Law Library Databases to ensure that staff and students have access to the necessary resources for research and other types of scholarly activities. This includes access to recorded lectures, course materials and cases regardless of the persons' physical location.

Weekly and Bi-weekly progress meetings are held with individual members of the administrative staff by the Senior Administrative Assistant II to review tasks, streamline processes and set performance objectives. Notes of these meetings are used in conducting performance appraisals.

TEACHING, LEARNING AND STUDENT DEVELOPMENT

The Faculty received approval to deliver the LLM/Diploma in Intellectual Property in Creative and Cultural Industries with effect from September 2016. This programme implements activities contemplated by the 2009 Framework Agreement of Co-operation between UWI and the World Intellectual Property Office (WIPO). The initial discussions for this LLM/Diploma started in 2012 at the directive of the then Minister of Industry, Investment and Commerce, Hon. Anthony Hylton, and is seen as a strategically important partnership initiative, as well as, an academically sound addition to UWT's curriculum of graduate studies in law.

The Faculty underwent a quality assurance review to identify its strengths and weaknesses having operated as a full-faculty for 4 academic years. The exercise was a very enlightening and rewarding initiative. The recommendations of the Review Team have been reviewed by the Faculty and are being used to influence the Faculty's operations and strategic plan.

The Faculty continued its efforts to identify and provide additional assistance for "At-Risk" students. These included peer counselling, additional tutoring with session of a 3:1 ratio to allow for greater individual attention, workshops etc. The overall structure of some courses in the LLB programme was adjusted to allow smaller class sizes and greater interaction.

The student association, Mona Law Society, under the mentorship of the

Deputy Dean for Undergraduate Studies had more educational activities for students throughout the year. This included inviting guest lecturers from various echelons of the legal profession, maintaining a peer mentorship programme and incorporating the law students at the Western Jamaica Campus in more activities at Mona.

During 2015/2016, the Faculty provided support for five (5) Mooting Teams to participate in the following international competitions:

1. The Inter-American Human Rights Moot Court Competition Team: Ms Sheri-Gae Jones, Ms Francesca Tavares, Mr Ja'wayne Jarrett.
2. The Frankfurt International Investment Arbitration Competition Team: Ms Hanielle Hines, Ms Chala Suzie, Mr Antwaine Cotterell, Ms Shaniel May.
3. The Phillip Jessup International Law Moot Court Team: Mr Victor Brown, Mr Scott Mullings, Ms Keisha Ann Thompson, Ms Christine Brooks.
4. The International Criminal Court Moot Court Competition Team: Ms Camilla Parris-Campbell, Ms Christal Parris-Campbell, Mr Wayne Robertson
5. The Price Media Law Moot Court Team: Yakum Fitz-Henley, Ms Peta Gay Facey, Mr Matthew Royal.

The mooting programme was coordinated by Professor Stephen Vasciannie with the support of coaches: Mr Maurice Smith, Mrs Caprice McFarlane-Morrison, Mr Jermaine Case, Ms Celia Middleton, and Mr Andre Coore.

The Faculty was well represented in each competition and the seventeen (17) students who participated, received invaluable exposure by virtue of their involvement.

RESEARCH AND INNOVATION

- Ali, S. (2015). "Economic crime and terror: spinning a web of greed and fear". In *Research Handbook on International Financial Crime*. Cheltenham, UK: Edward Elgar Publishing.

- **Blake, C.** (2015). “The Legal Matrix Governing Directors and Officers of Financial Supervisors: Understanding Their Role in Governance” in Ffolkes-Goldson, S. (ed.) *Commonwealth Caribbean Corporate Governance*, Routledge, London.
- **McKoy, D.** (2015) “Public Sector Governance: Change, Crisis and Dysfunction” in Ffolkes-Goldson, S. (ed.) *Commonwealth Caribbean Corporate Governance*, Routledge, London.
- **Vasciannie, S.** (2016). *Arguments and Facts: Caribbean Public Law, Governance, Economy and Society*.
- **Vasciannie, S.** (2015). “The Inter-American Commission on Human Rights: Reform and the Question of Universality”, in *The ILSA Journal of International and Comparative Law*, Vol. 21, No. 2, Spring 2015.
- **Vasciannie, S.** (2015). “Constitutional Renewal in Jamaica: Republicanism?” in *Journal of Parliamentary and Political Law*, Vol. 9, September 2015.

OUTREACH

During the period the Faculty, through the Mona Law Institutes Unit and the office of the Deputy Dean for Graduate Studies and External Affairs, hosted numerous initiatives aimed at contributing to national and regional development including work in under-served communities. Some of these initiatives are summarized below.

- On October 9, 2015, the Faculty hosted an Open Public Forum on the “The Caribbean Court of Justice as Jamaica’s Final Court of Appeal-From Debate to Implementation: Where now and in what direction should we go?”. The speakers were Senator A. J. Nicholson, QC, then Minister of Foreign Affairs and Foreign Trade; Mr. Delroy Chuck, then MP of St Andrew North Eastern and then Opposition Spokesperson on Justice; Professor Stephen Vasciannie and Senator Mark Golding, then Minister of Justice. This event also engaged a panel of discussants which included Lord Anthony Gifford, QC of Gifford Thompson & Bright; Mr. Donovan C. Walker, then President

of The Jamaican Bar Association; Ms. Carol Aina, Principal, Norman Manley Law School; Ms. Michelle A. Brown, Commissioner, The Jamaican Anti-Dumping and Subsidies Commission; and Jamaica Fair Trading Commission and Mr. Matthew Royal, President of the Mona Law Society.

- In an effort to address more issues affecting the persons in our underserved communities, the Faculty organized a public lecture to address some of the issues faced by persons with disabilities under the theme “From Charity to Human Rights: The Development of Disability Rights Under International Law”. Guest Speaker was Professor Arlene S. Kanter, Bond, Shoeneck & King Distinguished Professor of Law at the Syracuse University College of Law, New York. The event was held on October 22, 2015 in the Faculty.
- A guest lecture on “Medical Law, Ethics and Public Legal Education – A Symbiotic Relationship” was held on November 23, 2015 and was followed by a 2-day Street Law Clinical Workshop to train the trainers. This included UWI members of staff, governmental and non-governmental partners. The lecture and workshop were conducted by Professor David McQuoid-Mason, Founder of Street Law South Africa, President of the Commonwealth Legal Education Association and Professor of Law at the Centre for Socio-Legal Studies at the University of KwaZuluNatal in South Africa.
- Further to this introduction to the Street Law programme, the Faculty through the Mona Law Institutes Unit, collaborated with Street Law South Africa and launched the Street Law Caribbean programme on June 6, 2016 at Mona Law.
- The Street Law programme is geared towards equipping the average citizen with sufficient information about their rights, in a way that is easily understood.
- The Faculty in collaboration with the Ministry of Foreign Affairs and Foreign Trade hosted a public lecture entitled “World Trade Organisation (WTO) – Looking Ahead of 2016” on January 18, 2016. The guest speaker was H. E. Ambassador Roberto Azevêdo, Director-General of the World Trade Organisation (WTO).

- On May 19 and 20, 2016 approximately 20 representatives from 11 Offices of Ombudspersons and related institutions in the Caribbean region (Barbados, Belize, Jamaica, Puerto Rico, St. Lucia and Trinidad and Tobago) and Costa Rica met in Kingston, Jamaica at the Faculty of Law, UWI, Mona to discuss issues of citizen security and human rights, with a focus on the inter-American human rights system.
- The seminar was organised by the Inter-American Commission on Human Rights (IACHR), which was represented by its President, Commissioner James Cavallaro, and Second Vice President, Commissioner Margaret May Macaulay, and the Faculty of Law UWI, Mona. It was funded by the European Union to the tune of \$20,000 Euros.
- On June 3–5, 2016, the Faculty hosted its 2nd Annual Symposium on Law, Governance and Society at Half Moon Resort Montego Bay. The focus of presentations and discussions was “Safeguarding Ethics, Justice and Ideas”. The conference had local, regional and international speakers and was well supported by government officials, judges, attorneys of financial institutions and private practice, UWI staff from the Department of Government and Office of Graduate Studies and Research, among other delegates. The event was accredited by the General Legal Council.

FACULTY OF MEDICAL SCIENCES

Mona

Year ending July 31, 2016



PROFESSOR HORACE FLETCHER

MB, BS, DM (O&G), FRCOG, FACOG

Dean

– *Dean’s Overview* –

HIGHLIGHTS OF WORK IN THE FACULTY

The Academic Year 2015/2016 was an active one. Several accreditation exercises were conducted by the Caribbean Accreditation Authority for Medicine and Allied Health Professions (CAAM-HP) for the DDS and MBBS programmes, in addition to a review of the clinical facilities as part of the accreditation for the Spartan University. DDS: The CAAM-HP Accreditation team visited Mona to accredit the Doctor of Dental Surgery Programme on November 4–5, 2015. Spartan: A review of the clinical facilities of the Faculty of Medical Sciences was done and meetings held with relevant members of staff about the training of students from the Spartan University. The visit took place on November 18, 2015 as part of the accreditation of the Spartan University, St. Lucia, from which the FMS accepts students for clinical rotations. MBBS: The review of the MBBS programme for all campuses was held from April 4–12, 2016, with the visit to Mona Campus taking place during April 4–7, 2016. Several clinical sites, such as health centres and hospitals were visited. The medical undergraduate educational programmes offered by the Department of Community Health and Psychiatry were among the foci of the CAAM-HP visit. The team visited the Edna Manley Health Centre (one of eleven urban health centres) and the Manchester Health Department (one of nine rural parishes), to review the settings and

arrangements for hosting medical students for their primary clinical care and public health experiences, respectively.

The CAAM-HP in its response, accorded provisional accreditation for two (2) years from 2016–2018 for both the MBBS and DDS programmes, and highlighted some areas of concerns and non-compliance that needed to be addressed. While some areas had already been addressed, the Faculty, and by extension the UWI, has implemented measures to adequately address the issues and to ensure continued quality assurance in the operation of the programme. Nevertheless, the team cited some strengths that the Faculty/UWI would build on as it moves forward to delivering quality programmes.

There has been significant development in the offerings for the clinical teaching of undergraduate medical students at the peripheral sites. The utilization of the facilities at the Spanish Town and May Pen Hospitals has increased with additional numbers of medical students being sent to those sites. This was in addition to the introduction of clinical teaching for final year MBBS students at the St. Ann's Bay Hospital, where five students were assigned to each of the four final year clinical clerkship: Internal Medicine, General Surgery, Obstetrics and Gynaecology and Child Health. The 20 students were accommodated at the Jamaica Honey Bay Resort and the Columbus Inn. Eleven associate lecturers were appointed to this site, with Dr. Ian Titus as the Clinical Supervisor. To date, this site has done very well. The Cornwall Regional Hospital has expanded in the 4th clinical year to include all the disciplines required for that year, but there may be need to seek additional accommodation for clinical students consequent to this expansion. The Faculty, in its efforts to enhance the learning experience for the MBBS students at the clinical sites, spent over \$2,287,429.00 for refurbishing of existing infrastructure at the May Pen and Bustamante Hospitals. This was in addition to the provision of computers, furniture and other domestic items for the students at various sites estimated to be in the amount of \$1,610,333.76. In spite of these successes, more work needs to be done to ensure all the sites have the necessary facilities in place to support teaching and learning.

The Medical Education Unit in the Faculty resumed operation with the employment of Professor Joseph Branday in November 2015. The work in the Unit began primarily in preparation for the visit of the CAAM-HP to the four campuses. Professor Branday represented the UWI at the Board Meeting of CAAM-HP which was convened in Kingston, July 27–29, 2016. Arrangements were being made to ensure full establishment of the Unit. In May and June of 2016, a number of meetings were convened with respect to Quality Assurance and reviewing the MBBS regulations. A meeting of all Programme Directors was held to discuss curriculum development and research in medical education. In July, Professor Branday convened the first meeting of a medical education research interest group which was very well attended. Discussion was also held with members of the MBBS Stage 2 Committee to explore how students learning in ethics and professionalism could be encouraged in the clinical years. Additionally, the Faculty has re-energised its drive to engage international students, for which, Dr. Tomlin Paul has been engaged to spearhead the process and was also appointed Deputy Dean for International Students and Outreach.

The School of Medical Radiation Technology commenced the review of the BSc Diagnostic Imaging Programme. So far, there has been changes to the duration of 9 courses: four (4) level 1 and three (3) level 2 courses were changed from year-long to 1-semester courses, while one (1) level 1 which was being taught over a semester was changed to a year-long course. The review process for the programme continues.

RESEARCH AND PUBLICATIONS

The Dean's Office (Health Research Resource Unit) continued to provide support in research training to graduate and undergraduate students in the Faculty. The Unit had been providing technical research support to the Jamaica Medical Students Standing Committee on Research Exchange (SCORE) through research training and proposal writing. The Unit has made efforts towards improving the review process within the Ethics Secretariat. The ethics portal was pilot tested during this academic year, but would be operationalized in the next academic year. Dr. Christine

Publications/Presentations by Department (2015/2016)

Department	Publications			Presentations at Conferences/ Scientific Meetings	Books and Monographs	Book Chapters
	Refereed Journal Articles	Non- Refereed Articles	Technical Reports			
Basic Medical Sciences	39	–	4	28	2	2
Child & Adolescent Health	25	–	–	–	–	–
Community Health & Psychiatry	31	–	7	25	1	–
Medicine	12	–	–	34	–	–
Microbiology	7	–	–	6	–	–
Obstetrics & Gynaecology	4	–	–	3	–	–
Pathology	15	–	–	20	–	–
Surgery, Radiology, Anaesthesia & Intensive Care	18	–	–	77	–	–
TMRU/Sickle Cell Unit	23	–	2	45	1	5
UWI School of Nursing	11	8	–	12	3	-
Units/Sections under the Dean's Office	18	–	–	9	–	–
Mona Ageing & Wellness Centre	3	–	1	14	–	–
CARIMENSA	–	–	1	12	–	–
Total	206	8	15	285	7	7

(Note: It is assumed that the absence of information on non-refereed articles meant that these were not reported on by departments/units/sections.)

Walters served as convener of the Organizing Committee for a special WIMJ issue on Forensic Sciences. The aim is to highlight selected student research since the first cohort was received in the 2010/11 academic year.

The Dental Programme continued to develop its research output both at the Faculty and student levels. Attending the FMS Annual Research Conference was added to the programme for students in the 3rd, 4th and 5th year with the addition of an assessment value. This initiative would be further strengthened in the next academic year. Presenting at a conference was included in the final year students' research output, and this too would be strengthened in the next academic year. These initiatives have increased the students' interest in research.

The Faculty, through its research engagements with local and international collaborators, have realized grant funding in excess of JA\$87,583,517.00 to support the various initiatives in the departments. Details of the grants are outlined in the individual departmental reports.

Peer-Reviewed Articles

(For members of staff directly assigned to the Dean's Office)

- **Arvind Babu Rajendra Santosh, Thaon Jones, Hima Venugopal, Keisha Smith, J Susanne Turpin-Mair, Mark Edwards, Errol Williams.** "Prevalence of oral tori among medical and dental students at the University of the West Indies". *Dentistry* 3000 4, 1 (2016): 1–9. DOI: 10.5195/d3000.2016.55.
- **Orett E Ogle, Arvind Babu Rajendra Santosh.** "Medication Management of Jaw Lesions for Dental Patients". *Dent Clin N Am* 60, 2 (2016): 483-95. DOI: <http://dx.doi.org/10.1016/j.cden.2015.11.004>.
- **Santosh AB, Jones T, Harvey J.** "A review on oral cancer biomarkers: Understanding the past and learning from the present". *J Cancer Res Ther* 12, 2 (2016): 486-92. doi: 10.4103/0973-1482.176414.
- **Santosh ABR, Boyd D, Laxminarayana KK.** "Proposed Clinico-

- Pathological Classification for Oral Exophytic Lesions”. *Journal of Clinical and Diagnostic Research* 9, (2015): ZE01-ZE08. doi:10.7860/JCDR/2015/12662.6468.
- Nandan SR, Bandaru BK, **Santosh AB**, Thankappan P, Chundru NS, Amudala R. “A study on association and correlation of lip and finger print pattern analysis for gender identification”. *J NTR Univ Health Sci* 4, (2015): 176-81.
 - Mohd Arif Dar, Ravikiran Alaparathi, Samatha Yalamanchili, **Arvind Babu Rajendra Santosh**. “Bilateral coronoid hypoplasia and complex odontoma: a rare concurrence of developmental pathology and odontogenic tumour of the mandible”. *BMJ Case Reports* (2015); doi:10.1136/bcr-2015-212022.
 - Poosarla C, **Rajendra Santosh AB**, Gudiseva S, Meda I, Reddy Baddam VR. “Histomolecular Structural Aspects of High Endothelial Vessels in Lymph Node and Its Significance in Oral Cancer and Metastasis”. *North American Journal of Medical Sciences* 7,12 (2015): 540-546. doi:10.4103/1947-2714.172839.
 - Palmer W, Crichlow A, **Mansingh A**. Return to Sports and Functional Outcome after Primary Anterior Cruciate Ligament Reconstruction in *Jamaica*. *Sports Nutr Ther* 1: 109. doi:10.4172/snt.1000109
 - Martin D, Nelson G, **Mansingh A**, **Wade N**. The Effect of Kinesio Taping on pain and jump performance in club volleyball players with Patellar Tendinopathy in the Cayman Islands. *West Indian Med J* 2016 DOI 10.7727/wimj.2016.362.
 - Redwood T, **Mansingh A**, Bourne D, **Wade N**, **Singh P**. Knowledge and Attitudes towards Fluid Hydration of Athletes by Jamaican Track and Field High School Coaches. *West Indian Med J* 2016 DOI 10.7727/wimj.2016.222
 - Orchard J, Ranson C, Olivier B, Dhillon M, Gray J, Langley B, **Mansingh A**, Moore I, Murphy I, Patricios J, Alwar T, Clark C, Harrop B, Khan H, Kountouris A, Macphail M, Mount S, Mupotaranga A, Newman D, O'Reilly K, Peirce N, Saleem S, Shackel D, Stretch R, Finch C. International Consensus Statement on Injury Surveillance

in Cricket: a 2016 update. *Br. J. Sports Med* 2016 50:20 1227
doi:10.1136/bjsports-2016-096826

- T Foster, L Mowatt and **J Mullings**. Knowledge, Beliefs and Practices of Patients with Diabetic Retinopathy at the University Hospital of the West Indies, Jamaica. *J Community Health*. DOI 10.1007/s10900-015-0133-y. December 18, 2015
- Chin SN, **Walters CA**, Williams E. “Breast Cancer Receptor Profiles in Jamaica: A 6-year Analysis”. *West Indian Med J* 2016.
- Fletcher K, Tennant I, **Walters CA**, Harding-Goldson H. “Indications for Red Cell Transfusion in the Intensive Care Unit at the University Hospital of the West Indies”. *West Indian Med J* 2015 (Nov).
- Chin-Harty L, **Walters CA**, Wright-Pascoe R, Martin A, et al. “Microbial Isolates in Diabetic Foot Lesions of Hospitalized Patients at the University Hospital of the West Indies”. *West Indian Med J* 2015 (Nov).
- **C.E. Rose**, J.A. McIntosh. Factors important in developing competence in Diagnostic Imaging students (2015): *Radiologic Technology* Nov/Dec 2015 Vol 87, No2.
- **C.E. Rose**, J. A. McIntosh. Radiographic Techniques in the 45 Postero-Anterior Oblique Projection of the Hand [2016]. *Radiologic Technology*, March/April 2016 Vol 87 No 4.
- **D. Walker**, M. Voutchkov, C. McKenzie, H. Barned. Radiation Safety Standards for X-Ray Facilities: Protocol for Plain Radiography. *West Indian Medical Journal* [On-line publication] <http://myspotmona.uwi.edu/fmswimj/article2938>.

Presentation at Scientific Meetings/Conferences

- **Arvind Babu Rajendra Santosh**, **Thaon Jones**, and Ramanand K Shetty. “A retrospective report on sensitivity and specificity”. 14th Annual Clinical Conference of Caribbean College of Surgons in St. Lucia, June 16, 2016.
- **Mansingh A**. Posterior Ankle Impingement in Fast Bowlers. South Africa Sports Medicine Association Conference, Johannesburg, Oct 2015.

- McCaw-Binns, A. and **J. Mullings**. Legal and administrative interventions to improve death registration – Jamaica: Survey of the completeness and quality of death registration: 2008. Human Resources Committee of Cabinet, Jamaica House – January 18, 2016
- Berry E, Nariani RS, **Walters CA**. “Severe Postpartum Haemorrhage: An experience at a tertiary level hospital in Jamaica, West Indies”. Presented at the 24th Faculty of Medical Sciences Annual Research Conference (Nov 2015)
- Smith F, Nariani RS, **Walters CA**. “Evaluation of Patient Satisfaction with two Levonogestrel subdermal implants at the Victoria Jubilee Hospital, Jamaica, West Indies”. Presented at the 24th Faculty of Medical Sciences Annual Research Conference (Nov 2015).
- Douglas DR, Harding HE, Tennant IA, Christmas DO, **Walters C**. “Preoperative anxiety in elective surgical patients at the University Hospital of the West Indies, Kingston, Jamaica”. Presented at the 24th Faculty of Medical Sciences Annual Research Conference (Nov 2015).
- **Walters C**, Younger-Coleman N, Royal-Thomas T, Cunningham-Myrie C, Wilks R. “Cluster Effects in Fasting Blood Glucose from the Jamaica Healthy Lifestyle Survey II”. Jamaica Statistical Society Symposium 2015; UWI (Mona) Campus, October 2015.
- **CE Rose** and **JA McIntosh**. “Factors important in developing clinical competence in Diagnostic Imaging students”. 41st Conference of Association of Collegiate Educators in Radiologic Technology (ACERT), February 3–5, 2016, Las Vegas Nevada, USA.
- **White, Sharon**. “The Charles Town Model: A Case for Endogenous Development”.
- International Charles Town Maroon Conference: “Towards a borderless Indigenous Community”. June 23, 2016, Portland, Jamaica.

Research Awards

Members of staff continued to be recognized for their research work in

the Faculty, and were awarded at the Principal's Annual Research Awards Ceremony held in February 2016, as follows:

The Best Research Publications

- **Dr. Susan Chang-Lopez, Dr. Christine Powell, Dr. Helen Baker-Henningham, and Professor Susan Walker and collaborators.** “Integrating a Parenting Intervention with Routine Primary Health Care: A Cluster Randomized Trial.” *Pediatrics* published online: July 6, 2015 (doi: 10.1542/peds.2015-0119). (IF: 5.473)
- **Professor Affette McCaw-Binns, Dr. Jasneth Mullings and collaborator.** “Certification of Coroners cases by pathologists would improve the completeness of death registration in Jamaica.” *Journal of Clinical Epidemiology* 2015 Feb 7. pii: S0895-4356(15)00062-1. doi: 10.1016/j.jclinepi.2014.11.026. [Epub ahead of print]. (IF – 3.417).
- **Professor Peter Figueroa and collaborators.** “Understanding the high prevalence of HIV and other sexually transmitted infections among socio-economically vulnerable men who have sex with men in Jamaica.” *PLoS One* 2015 Feb 6; 10(2):e0117686. doi: 10.1371/journal.pone.0117686. eCollection 2015. (IF – 3.534).

The Most Outstanding Researchers/Research Activity

- **Professor Terrence Forrester, SODECO, for producing 19 publications for the period under review.**

Articles: “Daily activity patterns of 2316 men and women from five countries differing in socioeconomic development”. *Chronobiol Int.* 2015 Jun;32(5):650-6. “Prevalence of behavioural risk factors for cardiovascular disease in adolescents in low-income and middle-income countries: an individual participant data meta-analysis”. *Lancet Diabetes Endocrinol.* 2015 Jul;3(7):535-44. “Association of car ownership and physical activity across the spectrum of human development: Modeling the Epidemiologic Transition Study (METS)”. *BMC Public Health.* 2015 Feb 21;15:173. doi: 10.1186/s12889-015-1435-9. PubMed PMID: 25885263; PubMed Central PMCID:

PMC4359522. "Genetic studies of body mass index yield new insights for obesity biology". *Nature*. 2015 Feb 12;518(7538):197-206. "New genetic loci link adipose and insulin biology to body fat distribution". *Nature*. 2015 Feb 12;518(7538):187-96. "Reply to T Weishaar". *Am J Clin Nutr*. 2015 Feb;101(2):413-4. "Genetic Investigation of Anthropometric Traits (GIANT) Consortium; "Biological interpretation of genome-wide association studies using predicted gene functions". *Nat Commun*. 2015 Jan 19;6:5890. "Under-reporting of dietary energy intake in five populations of the African diaspora". *Br J Nutr*. 2015 Feb 14;113(3):464-72. "Elevated hypertension risk for African-origin populations in biracial societies: modeling the Epidemiologic Transition Study". *J Hypertens*. 2015 Mar;33(3):473-80; discussion 480-1. "Distribution of metals exposure and associations with cardiometabolic risk factors in the "Modeling the Epidemiologic Transition Study"". *Environ Health*. 2014 Nov 5;13:90. "Richer but fatter: the unintended consequences of microcredit financing on household health and expenditure in Jamaica". *Trop Med Int Health*. 2015 Jan;20(1):67-76. "Association between smoking and total energy expenditure in a multi-country study". *Nutr Metab (Lond)*. 2014 Oct 4;11(1):48. "Defining the role of common variation in the genomic and biological architecture of adult human height". *Nat Genet*. 2014 Nov;46(11):1173-86. "Association of maternal blood pressure in pregnancy with blood pressure of their offspring through adolescence". *J Perinat Med*. 2014 Aug 28. "Comparisons of intensity-duration patterns of physical activity in the US, Jamaica and 3 African countries". *BMC Public Health*. 2014 Aug 27;14:882. "25-Hydroxyvitamin D in African-origin populations at varying latitudes challenges the construct of a physiologic norm". *Am J Clin Nutr*. 2014 Sep;100(3):908-14. "Early-life factors are associated with nocturnal cortisol and glucose effectiveness in Afro-Caribbean young adults". *Clin Endocrinol (Oxf)*. 2015 Mar;82(3):352-8. "Impaired cardiovascular structure and function in adult survivors of severe acute malnutrition". *Hypertension*. 2014 Sep;64(3):664-71. "Effects of randomized supplementation of methionine or alanine on cysteine and glutathione production during the early phase of treatment of

children with edematous malnutrition”. *Am J Clin Nutr* 99(5) 2014: 10520-8.

- **Professor Maureen Samms-Vaughan and Mrs. Sydonnie Shakespeare Pellington**, Child and Adolescent Health, with 10 papers, seven (7) of which focused on spectrum disorder, genetic, and environment factors associated with autism.

Research Activity: The papers focus on two main areas: (1) Genes, the environment and their impact on autism and child development, and (2) The use of birth cohort studies to identify factors impacting children’s early development and their adult health.

- **Dr. Collette Cunningham-Myrie**, Community Health and Psychiatry, for producing 5 articles for the period of high quality and with impact factors ranging from 2.302 to 3.790:
- Articles: “WHO/ISH total risk approach for primary prevention of cardiovascular disease shows greater decrease in costs for women but not the elderly in Jamaica.” *Journal of Clinical Epidemiology* 2015 Mar 3. pii: S0895-4356(15)00109-2. doi: 10.1016/j.jclinepi.2014.11.027. [Epub ahead of print]. (IF – 3.417). “Hydroxyurea use in prevention of stroke recurrence in children with sickle cell disease in a developing country: A cost effectiveness analysis. *Pediatric Blood and Cancer*. 2015 Apr 30. doi: 10.1002/pbc.25563. [Epub ahead of print]. (IF – 2.562). “Associations between neighborhood effects and physical activity, obesity and diabetes: The Jamaica Health and Lifestyle Survey 2008.” *Journal of Clinical Epidemiology* 2015 Apr 22. pii: S0895-4356(14)00335-7 doi: 10.1016/j.jclinepi.2014.08.004. (IF – 3.417). “Richer but fatter: the unintended consequences of microcredit financing on household health and expenditure in Jamaica.” *Tropical Medicine and International Health* 2015 Jan; 20(1):67-76. doi: 10.1111/tmi.12403. Epub 2014 Oct 20. (IF – 2.302). “Impact of a comprehensive sickle cell center on early childhood mortality in a developing country: the Jamaican experience.” *The Journal of Pediatrics* 2015 Jul 7. pii: S0022-3476(15)00611-3. doi: 10.1016/j.jpeds.2015.06.028. [Epub ahead of print]. (IF – 3.790).

The Research Project Attracting the Most Research Funds

- **Professor Maureen Samms-Vaughan**, Department of Child and Adolescent Health.

Project: “Evaluations of Early Childhood Learning Environments” which attracted funding of J\$56,414,306.50 for the period under review. The aim is to provide national data on factors that promote and impair optimal child outcome that will enable the country to identify and build on its existing strengths and to target interventions and policies to mitigate risks.

The Research Project with the Greatest Business/Economic/Development Impact

- **Professors Horace Fletcher and Minerva Thame and Dr. Jasneeth Mullings and collaborators**, Dean’s Office, and Department of Child and Adolescent Health – “The Programme for the Reduction of Maternal and Child Mortality for Jamaica” (PROMAC) with overall funding of £1.1m.

Award of Prizes from the FMS Annual Research Conference

The following prizes were awarded to staff and students at the Faculty of Medical Sciences’ Annual Research Conference held November 11–13, 2015.

- Dean’s Prize for Best Oral Presentation – GP Reid, EW Williams, DK Francis, MG Lee “Acute Pancreatitis at the University Hospital of the West Indies (UHWI), Kingston, Jamaica – A seven-year retrospective review.
- Dean’s Prize for Best Poster Presentation – RL Lindo, PB Reese, TA Bartley. “Investigating *Salvia serotina* (chicken weed) for its hypoglycaemic and hypotensive effects in normal Sprague-Dawley rats”
- Dean’s Prize for Best Undergraduate Presentation – A Condappa, M Gossell-Williams, W Aiken. “The efficacy of Premarin versus

Ketoconazole Prostate Specific Antigen (PSA) responses in Castrate Resistant Prostate Cancer in Jamaica”.

- The Basic Medical Sciences, Faculty of Medical Sciences Prize – J Facey, L Young, CR Nwokocha. “Effect of ATP-sensitive Potassium Channel Inhibition on the Vasorelaxant Response to Ketamine in Diabetes Mellitus”.
- The Association of Consultant Physicians of Jamaica – DR Douglas, HE Harding, IA Tennant, DO Christmas, C Walters. “Pre-operative Anxiety in Elective Surgical Patients at the University Hospital of the West Indies, Mona, Jamaica”.
- The Jamaica Emergency Medicine Association – GP Reid, EW Williams, DK Francis, MG Lee. “Acute Pancreatitis at the University Hospital of the West Indies (UHWI), Kingston, Jamaica – A seven-year retrospective review”.
- The Paediatric Association of Jamaica Prize – R Nariani, E Berry, O Morgan, C Walters. “Severe Postpartum Haemorrhage: An experience at a tertiary level hospital in Jamaica, West Indies”.
- The Jamaican Association of Clinical Pathologists – M Brown, BF Morrison, K Coard, M Reid. “The outcome of Atypical Small Acinar Proliferation (ASAP) at the University Hospital of the West Indies”.
- The American Society for Microbiology – G Reynolds-Campbell, L Campbell, T Williams, O Heslop. “Microbiological profile of mycotic eye infections at a tertiary care centre in the Caribbean: A retrospective analysis.” and SJ Mortley. “Antibacterial Properties and Activity of honey against medically significant pathogens”.

INCOME GENERATION

The FMS continues to realise a steady flow of income through its full-fee paying programmes and income generation activities. Earnings from income generation activities through the Dean’s Office were reported as follows: administrative charges for the review of research proposals –\$648,358.03; rental of facilities at the FMS TRC – \$1,747,347.36; and income from the Sports Medicine Clinic of \$7,064,200.00.

PUBLIC SERVICE

The offices that fall directly under the aegis of the Dean's Office had been involved in public service as follows:

Dr. Babu Santosh, Dr. Errol Williams, Dr. Thaon Jones

- Members, International Association of Dental Research (IADR) – Caribbean Section

Dr. Babu Santosh

- Member, Caribbean Oral Health Initiative (COHI) (Nominate for the post of secretary)

Dr. Errol Williams and Dr. Jones

- Member, Jamaica Dental Association (JDA)

Dr. Jasneth Mullings

- Member, Advisory Committee, Child Health and Wellness Programme, Child Development Agency, Ministry of Youth & Culture, Jamaica, 2015

Miss Sharon White

- Member of the technical team which includes person from the Planning Institute of Jamaica, Ministry of Finance, Jamaica Intellectual property provided the necessary grant writing and technical support to: 1. Build the facility – The Asafu Yard and Create income generating activity through the Maroon Tour.

Dr. P Singh

- Vice President, Jamaica Olympic Association
- President, Jamaica Association of Sports Medicine

Dr. A. Mansingh

- Chief Medical Officer, West Indies Cricket Board and Caribbean Premier League
- Member, National Sports Council of Jamaica

The Sports Medicine Division provided medical coverage to:

- 2016 Rio Olympics – Dr. P. Singh, Sports Physician, Mr. M. Parchment, Sports Physiotherapist.
- Team Physiotherapist for Jamaica Scorpions (1st Class Cricket) – Mr. Evan Speechley and Mr. Dialo Brown.
- Team Sports Physiotherapist for the Jamaica Tallawahs during the 2016 Caribbean Premier League (CPL) – Mr. Matthew Parchment, Sports Physiotherapist.
- Medical Coverage of West Indies Tests and One Day Internationals –Dr. Akshai Mansingh
- Conducted several pre-participation activities on many National and International Teams.

STUDENT ENROLLMENT/GRADUATION AND ACHIEVEMENTS

Undergraduate enrollment for the academic year 2015/2016

Programme	Majors and Minors	No. of Students 2014/2015	No. of Students 2015/2016
Associate Degree	Child Development Therapy	-	3
BBMedSci	Anatomy	25	36
	Biochemistry	6	8
	Pharmacology	149	125
	Physiology	9	16
	Subtotal	189	185
BSc	Nursing (Post RN) Online Delivery	209	197
	Nursing (Generic)	1147	1221
	Physical Therapy	211	201
	Diagnostic Imaging	88	96
	Subtotal	1655	1903
DDS	Doctor of Dental Surgeon	85	89
MBBS	Bachelor of Medicine & Surgery	1656	1653
Total		3585	3645

Specially Admitted students from overseas institutions who registered for clinical rotations/electives in various specialties for the period is 69.

Graduated – Undergraduate Students – Academic Year 2015/2016

Programmes	No. of Students 2014/2015	No. of Students 2015/2016
MBBS	395	224
BSc Nursing (Generic)	16	220
BSc Nursing (Post RN)	47	53
BSc Physical Therapy	45	49
BBMedSci	33	48
BSc Diagnostic Imaging (Radiography)	19	26
Total	555	620

Prizes/Medals

The following students were awarded prizes in the final MBBS examinations held in May/June 2016:

Subject Medals (All Campuses)

Obstetrics and Gynaecology	–	Jordan Carty
Medicine	–	Jordan Carty
Overall Clinical Medal	–	Jordan Carty

Medal

Pathology/Microbiology	–	Eden Forbes
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Prizes/Bursaries

Professor Owen Morgan Prize in Medicine and Therapeutics	–	Jordan Carty
Allenbury Prize in Medicine	–	Jordan Carty
General Surgery Prize	–	Rico Matthews
Dr. The Hon. John Hall Book Prize in Medicine	–	Jordan Carty Eden Forbes Michelle Johnson Demetria Lyew Rico Matthews Marlon Reid Rouaj Shirley Jodi-Ann Smith Robert Thomas
Astley Karl Bambury Foundation Prize in Medicine	–	Rico Matthews
Professor Louis Grant Book Prize in in Microbiology	–	Eden Forbes
Professor S.E.H. Brooks Memorial Prize in Pathology	–	Eden Forbes
Dr. Aubrey McFarlane Bursary in Surgery	–	Marlon Reid
Medical Council of Jamaica Prize for Best Overall Performance in the MBBS Examination	–	Jordan Carty
Medical Association of Jamaican Insurance Fund Prize in Obstetrics and Gynaecology	–	Jordan Carty

Guardian Jamaica Limited Prize in Community Health & Psychiatry Clerkships	–	Shanique Beckett
Medical Protection Society Prize for Best MBBS Programme Performance	–	Ruth Williams Kory Jaggon
Sagikor Life Jamaica Limited Prize in Paediatrics Paediatric Prize in Medicine & Therapeutics	–	Rico Matthews

BSc Physical Therapy Students, 2015/16

Best Performance in Anatomy	–	Jelanie Baptiste
Best Performance in Physiology	–	Angelee Boyce
Best Performance in Rehabilitation 1	–	Kalifa Fabien
Best Performance in Rehabilitation 2	–	Kadesha Vassell
Best Performance in Rehabilitation 3	–	Sara-Kaye Roye
Outstanding Performance in Clinical Practice	–	Racquel Reid
Best Performance in Medical Science 1	–	Jelanie Baptiste
Best Performance in Medical Science 2	–	Jelanie Baptiste
Best Performance in Medical Science 3	–	Sueweny Bennett

Registered Graduate Students – 2015–2016

Programmes	No. of Students 2014/2015	No. of Students 2015/2016
Diploma	13	29
DM	412	405
MD	1	1
DrPH	34	29
MPH	44	64
Taught Masters	174	160
MPhil	55	49
PhD	28	35
Clinical Fellowship	1	11
Total	560	743

Graduated – Postgraduate Students – 2015–2016

Programmes	No. of Students 2014/2015	No. of Students 2015/2016
Diploma	4	5
DM	69	37
DrPH	1	3
MPH	11	16
Taught Masters	59	31
MPhil	5	4
PhD	9	2
Clinical Fellowship	–	–
Total	158	98

STAFF MATTERS

New Appointments

- Professor Joseph Brandy, previous Medical Educator in the FMS at Mona, and past Medical Dean, Cave Hill Campus, rejoined the Faculty in November 2015, as Director of Medical Education. He has responsibility for the oversight, development, direction and coordination of all medical education activities within the FMS, Mona. He also serves in the capacity of Coordinator for the MBBS accreditation exercise across the campuses.
- Dr. Tomlin Paul, who had also previously served as Senior Lecturer at the UWI, was employed on April 4, 2016 at the Senior Lecturer and Deputy Dean level to design, develop, implement and operationalize the proposed undergraduate MD Doctor of Medicine (MD) four-year programme to be offered by the FMS, International Students & Outreach.

Promotions

Professor

- Dr. Asha Badaloo, Caribbean Institute of Health Research

Senior Lecturers

- Drs. Peter Johnson and William Aiken, Department of Surgery, Radiology, Anaesthesia and Intensive Care.

Awards

- Professor Jennifer Knight-Madden, Caribbean Institute of Health Research, received the Vice-Chancellor's Award for Excellence for Outstanding Research Accomplishments.

Resignations

- Dr. Keisha Smith, Lecturer, Dentistry Programme – January 1, 2016.

- Dr. Johanna Bennett, Senior Lecturer, UWI School of Nursing – May 13, 2016.
- Dr. Allie Martin, Lecturer, Department of Surgery, Radiology, Anaesthesia & Intensive Care – May 31, 2016.
- Dr. Michelle Moo Sang, Medical Officer, Tropical Metabolism Research Institute – May 2016.
- Dr. Kai Morgan, Lecturer, Department of Community Health & Psychiatry – June 30, 2016.
- Dr. Yohann White, Lecturer, Department of Medicine – June 2016.

Obituaries

The Faculty mourned the passing of the following:

- The late Dr. Edna McLaren, retired Lecturer in the Department of Community Health & Psychiatry – August 2015.
- The late Dr. Hope Anderson, Associate Lecturer, Department of Community Health & Psychiatry – March 24, 2016.
- The late Ms. Sheryl Lopez, retired Lecturer, UWI School of Nursing – July 7, 2016.
- The late Dr. Megan Auden, pass MBBS student in the Class of 2015 – July 16, 2016.

CONCLUSION

This year was, again, challenging and while the Faculty was disheartened with the decreased accreditation, particularly, for the MB BS programme, this has strengthened its resolve, as it strives to address all the shortcomings identified and put in place improvements for the future. Already, much work has started to make the relevant changes to ensure that we comply fully with the recommendation of CAAM-HP. Let me use this opportunity to thank all the members of staff for their hard work and also all our students for excellent examination results. Congratulations, as the Faculty strives for even higher goals.

DEPARTMENT OF BASIC MEDICAL SCIENCES



Dr. Andrew Pearson, BSc, PhD *Leeds*, Dip Mgt. Stds. *UWI*
Head of Department

WORK OF THE DEPARTMENT

The Department of Basic Medical Sciences, one of the largest in the entire UWI continued its long-standing commitment to teaching undergraduate and postgraduate students in two Faculties: Medical Sciences, and Science and Technology. Registration in the Department's programmes are detailed in the body of the report but the numbers can be summarized here as follows:

Faculty of Medical Sciences	720 MBBS/DDS; 367 BSc courses; 37 MSc. courses;
Faculty of Science and Technology	2,200 BSc. Courses.

The Department is strongly committed to considering the valuable advice of international professional colleagues on ways to improve our products: this places us in the international setting at a time when the entire University seeks to broaden its student client base to compete directly with overseas degree-awarding institutions for full fee-paying programmes.

Thus arguably the most important work performed by the Department of Basic Medical Sciences in the academic year 2015–16 was its participation in two quality assurance review programmes:

- that of the entire Department in November 2015, under the auspices of the Quality Assurance Unit of the UWI Office of the Board of Undergraduate Studies,
- as part of the CAAM-HP (“The Caribbean Accreditation Authority for Education in Medicine and other Health Professions”) accreditation review of the medical degree (MB.BS.) programme in April 2016.

Both reviews were the first being conducted by the respective bodies since the Department’s translocation to the comparatively more spacious facilities in the new FMS TRC (originally designed and approved by F&GP Cttee.as the Basic Medical Sciences Complex), and this move addressed short-comings related to space highlighted in the previous reviews. However, the necessity to share the new building with other entities, and the reduction in infrastructural facilities as designed, instigated by Campus Management as a result of the financial difficulties in which the Campus is finding itself, has brought different challenges.

Challenges to the work of the Department mentioned by the Reviews include:

- The state of the Animal House (vivarium), which periodically compromises research as well as teaching programmes;
- Lack of research facilities at the Western Jamaica Campus site; impeding the promotion prospects of academic staff;
- Delays in the process for hiring academic staff from overseas;
- Lack of whiteboard/flip charts in tutorial rooms and laboratories impeding teaching;

Department of Basic Medical Sciences

- Lack of connectivity of the telecommunications monitors in teaching laboratories impeding teaching;
- Frequent breakdowns in the air-conditioning system compromising teaching and research equipment;
- Delays in the processing of orders for research and teaching materials from overseas, impeding research student throughput and morale;
- Breakdowns in the streaming process by which students at the Western Jamaica Campus receive instruction;
- Large numbers of students assigned to tutorial streams, and the comparatively small tutorial rooms in which to attempt to tutor them;
- Large numbers of students in the MB BS programme reducing the quality of students' experiences and the time available for academic staff to devote to research

It is hoped that Campus Management will collaborate with the Department to address these challenges and others highlighted by the two reviews performed in this academic year.

Going forward the Department has prepared for the following:

- Increased registrations in several courses
- Anti-doping in sports (in collaboration with WADA)
- All majors in the Faculty of Science and Technology
- Master of Research
- MSc in Physical Therapy
- Implementation of the new self-financing programme which reached its final stage of development in this academic year: Professional doctorate programme in Pharmacy: PharmD.

The Department entered into agreement with the Mona School of Engineering for the routine maintenance and servicing of all its refrigeration compressors (in fridges and freezers). This is a pilot scheme which, if deemed successful, would be applied to the rest of the Mona Campus.

Following up on significant interest among undergraduate students, Dr. Paul Brown coordinated the launch of a Microbiology Society which will be facilitated by funding from the American Society for Microbiology.

The Department's operations at the WJC site continued with streaming of lectures, tutorials and some practical exercises between Mona and WJC, and previously highlighted technical challenges affecting the quality and flow of information are being worked through to improve the Department.

STAFF AWARDS AND PROMOTIONS

- Dr. Sonja Williams was awarded Doctor of Physical Therapy (Hons.) from Nova Southeastern University, Davie Campus, Florida, USA. Mrs. Kimberly Garvey-Ramocan completed a Master of Science Degree in Forensic Science (Pathology) at UWI, Mona. Dr. Roopchand-Martin obtained an Advanced Certificate in Research Ethics from Clarkson University in collaboration with St. Georges University and the Autonomous University of Queretaro in Mexico. Dr Audrey Jacob received certification in Design and Interpretation of Clinical Trials from Johns Hopkins University (on line) and in Introduction to Food and Health from Stanford University.
- Dr. Roopchand-Martin was the recipient of a scholarship to pursue a Masters Degree in Biomedical Ethics with specialization in research ethics through the Caribbean Research Ethics Education Initiative which is funded by a NIH-Fogarty grant.
- Ms. Gail Nelson received the New Initiative Grant funding for the research project "The Effect of Exercise on Muscle Mass, Functional Capacity & Physical Activity In Community-Dwelling Elderly with Sarcopenia in Jamaica", Research Fellowship Committee, Principal's Office, UWI Mona.
- Miss Shakika Nugent attended a workshop on June 13 and 15 2016, which was organized by the Human Resource Management Division. This was a team Building and Collaborative Skills programme organized to increase skills in emotional intelligence, interpersonal and collaborative skills.

- Mrs. Tracia-Gay Kennedy-Dixon was awarded an International Atomic Energy Agency (IAEA) fellowship of 12 months duration (February 01, 2016 to January 31, 2017) at the Royal Liverpool University Hospital in the United Kingdom. This training in Nuclear Pharmacy is a collaborative effort between the Planning Institute of Jamaica, the Ministry of Health, The University Hospital of the West Indies and The University of the West Indies and is coordinated under an IAEA grant which aims to re-establish Nuclear Medicine services in the public sector.
- Dr Cameil Wilson-Clarke, Pharm D, joined the academic team of the department as Lecturer and Director of Clinical Pharmacy Practice. Mrs Tracia-Gay Kennedy-Dixon, BSc Pharmacy, joined the team as Assistant Lecturer, and Dr Jacqueline Campbell was appointed Part Time Lecturer, Family Medicine Programme. Drs. Icolyn Amarakoon and Simone Badal were appointed to the post of Lecturer effective August 1, 2015.

PAPERS PRESENTED AT SCIENTIFIC MEETINGS

- Delgoda, R, Kandagatla, S. K, Ranor, G, Brantley, E. Badal, S. Francis, S, Jacobs, H. (2015). Novel quassinoid from Jamaican *Castela macrophylla* blocks induction of cytochrome P450 1 enzymes and luciferase genes. *Planta Medica*.
- Badal, S. (2016). Faculty of Science and Sports, University of Technology: Solving problems, keeping the vibes forum Jamaica, March. A public lecture on: Cancer research in Jamaica: Where we are and where we need to be (Talk).
- Badal, S. (2015). Methods. The international symposium on methods for studying drug metabolism and transport, and African traditional Medicine, Pretoria, South Africa, November (2015) Potential chemopreventive properties of Jamaican natural properties (Talk and poster).

- Badal, S. (2015). Northern Caribbean University, Office of Graduate Studies and Research in collaboration with The Carnegie Foundation for Cancer Research, Mandeville, Jamaica. A Public Lecture on Human cancer cells, important for target specific anticancer solutions and a panellist.
- Badal, S. (2015). Biovision World Life Sciences Forum, Lyon France. Anticancer Research Jamaica (Talk).
- Badal, S. (2015). 6th Biennial Jamaica Diaspora conference, Conference Centre, Montego Bay. Society for Scientific Advancement (Two Talks).
- McLaughlin, W. 2015. New Opportunities for Global Collaboration in Medical Cannabis Research and Clinical Studies. Govt. of Jamaica and the Beckley Foundation. Jamaica's Regulated Cannabis Industry: First Steps. 13–14 November, 2015. Negril, Jamaica.
- Condappa, A, Gossell-Williams, M, Aiken, W. (2016). The efficacy of premarin versus ketoconazole on prostate-specific antigen responses in castrate-resistant prostate cancer in Jamaica. In: Proceedings of the 61st Annual Health Research Conference of the Caribbean Public Health Agency held June 23-25, 2016. Turks & Caicos Islands. *West Indian Medical Journal* Vol. 65 (Suppl 3) (Abstract O-2)
- Condappa, A, Gossell-Williams, M, Aiken, W. (2015). The efficacy of premarin versus ketoconazole prostate specific antigen responses in castrate-resistant prostate cancer. In: Proceedings of the 24th Annual Research Conference held November 11th, 2015 University of the West Indies, Mona Campus. *West Indian Medical Journal* 64 (Suppl 4): 18 ABSTRACT O-1
- Morris, M, Gossell-Williams, M, Nwokocho, C. R. (2015). Olanzapine-induced attenuation of the contracted isolated rat detrusor muscle strip. In: Proceedings of the 24th Annual Research Conference held November 11th, University of the West Indies, Mona Campus. *West Indian Medical Journal* 64 (Suppl 4): 26 ABSTRACT O-14.

- Thomas, P, Gossell-Williams, M, McKenzie, K. (2015). Cannabis potentiates transient elevation of aspartate aminotransferase in schizophrenia patients prescribed risperidone. In: Proceedings of the 24th Annual Research Conference held November 11th, University of the West Indies, Mona Campus. *West Indian Medical Journal* 64 (Suppl 4): 29 ABSTRACT O-19.
- Foster, S., Alexander-Lindo, R. L, Omoruyi, F, Bustamante J, Dilworth, L. Inositol Hexakisphosphate (IP6) and Inositol Combination Lowers Fluid and Food Intake in Type 2 Diabetes Mellitus Sprague-Dawley Rats. The University of the West Indies, Faculty of Medical Sciences, 24th Annual Research Conference & Workshop. Cancer, A Growing Public Health Priority in the Caribbean, Faculty of Medical Sciences Teaching & Research Complex, November 8 & 11–13, 2015.
- Daley, D. K., Yee, T., Reese, P. B. and Lindo, R. L. The potential development of diabetic pharmaceuticals, nutraceuticals and functional foods from hypoglycaemic compounds isolated from *Eucalyptus camaldulensis*. University Diabetes Outreach Programme (UDOP). The 22nd Annual International Diabetes Conference, Diabetes and the Nervous System: Is there a role for Cannabis compounds? April 28–30, 2016.
- Daley, D; Yee, T, Reese, P and Lindo, R. L. 2016. The potential functional foods and nutraceutical products from hypoglycaemic compounds isolated from *Eucalyptus camaldulensis*. The Joint Meeting 16th Annual International Conference on the Science of Botanicals (ICSB) and the American Society of Pharmacognosy (ASP).
- Garvey-Ramocan, K. S. and Gardner, M.T. (2015). The foramen magnum as a determinant of sex in a series of Jamaican crania. Oral Presentation. The Faculty of Medical Sciences, Annual Research Conference [November 2015]
- Garvey-Ramocan, K. S. and Gardner, M.T. (2016). The foramen magnum as a determinant of sex in a series of Jamaican crania. Oral

Presentation. Inaugural Caribbean Association of Forensic Sciences Conference [July 20–22, 2016]

- Ramocan, K. Speaker, Inaugural Conference of the Caribbean Association of Forensic Sciences, (CAFS) [July 20–22, 2016]
- Facey, J, Young, L and Nwokocha, C. R. (2015). Effect of ATP-sensitive potassium channel inhibition on the vasorelaxant response to ketamine in diabetes mellitus – This paper received the prize for BEST BMS ORAL PRESENTATION (2015)

SPECIAL PRESENTATIONS AND INVITED LECTURES

Jacqueline Campbell

- “Management of Chronic Disease: What is the impact of generic substitution? The physician’s perspective”. Novartis Pharmaceuticals ‘Pharma got Talent’ Seminar. September 20 and 27, 2015
- “Managing your health by combining traditional and non-traditional medicines”. Keynote presentation. Jamaica Teacher’s Association Travel and Wellness Club. October 16, 2015
- “Complementary and Alternative Medicine in Family Medicine Practice”. Guest Lecture. Family Medicine Clinical Online Session. April 7, 2016
- “Drugs and the Teen”. Women’s Health Network – Jamaica Teen Pregnancy Prevention Month. June 7, 2016
- “Dealing with ethical considerations when sharing medical information”. Launch of Street Law Caribbean, Regional Ed O’Brien Memorial Conference, Public Lecture, and Training of the Trainers Workshop. Mona Law Institutes Unit (MLIU), Faculty of Law, UWI, Mona. June 7, 2016
- “Bioequivalence: importance in the management of chronic illness”. Novartis Pharmaceuticals ‘Connecting the DIOTS Seminar. June 26, 2016

Department of Basic Medical Sciences

- Dr. Sophie Turfus administered training in Forensic Science techniques, scientific language and poster presentations at the University of Leicester to scientists learning English language. Hosted by School of Medicine in collaboration with English Language teaching Unit (ELTU), University of Leicester, U.K. held 5th July 2016

Dr Cameil Wilson-Clarke

- Antimicrobial Stewardship, “Pharmaceutical Society of Jamaica/Caribbean Association of Pharmacist Conference at Hyatt Zilara & Ziva, July 30, 2016”
- ”Understanding Systemic Lupus Erythematosus (SLE) and its complications Systemic, Pharmaceutical Society of Jamaica, Mandeville Hotel, April 24, 2016
- ”Understanding your Insulins, Children living with Diabetes”, Life for a Child Support Group, St. Luke’s Anglican Church, March 5, 2016.
- “The role of the pharmacist in managing patients living with Diabetes and Hypertension”. The Knutsford Court Hotel, Sponsored by Servier, February 21, 2016
- “Managing Acid reflux from Paediatrics to Geriatrics” PSJ Runaway Bay, Sponsored by Abbott. November 2015
- “Role of the Oncology Pharmacist”: National Health Fund, Carimed Limited, Sponsored by Roche, October 2015

POSTERS PRESENTED AT SCIENTIFIC MEETINGS

- Price, C, Gordon, C (2016) .The effect of rebound exercise training on resting heart rate and aerobic capacity of young adults. The American Physical Therapy Association Annual Conference in Nashville, Tennessee, USA
- Roopchand-Martin, S., Seixas, A., Jean-Louis,G., Zizi, F., Carrazco,N., Alfonso-Miller, P., Grandner, M (2016). Sex Differences Sleep-Related Practices, Beliefs and Attitudes of University Students in Jamaica. SLEEP 2016. A joint meeting of the American Academy of

Sleep Medicine and the Sleep Research Society. Denver.

- Roopchand-Martin, S., Seixas, A., Jean-Louis, G., Zizi, F., Carrazco, N., Alfonso-Miller, P., Grandner, M (2016). Sleep-Related Practices, Beliefs and Attitudes Associated with Sleep Duration among University Students in Jamaica. SLEEP 2016. A joint meeting of the American Academy of Sleep Medicine and the Sleep Research Society. Denver.
- Rahbar, M H, Samms-Vaughan, M, Bressler, J, Dickerson, A.S, Hessabi, M, Loveland, K.A, Megan L. Grove, M.S, Shakespeare-Pellington, S, Beecher, C, McLaughlin, W, Boerwinkle, E. Role of metabolic genes and environmental toxins in Autism Spectrum Disorder in Jamaican children. Asia-Pacific Regional IMFAR (International Meeting for Autism Research). 6–8 November, 2015. Shanghai, China
- Campbell, J, Mansingh A, Palmer, W, Nelson, G. The relationship between core strength, endurance and lower back pain among competitive cyclists. Poster presented at the Faculty of Medical Sciences Annual Research Conference, November 2015.
- Levy, A. S, Khan Z, Batko, S, Thallapureddy, K, Smith, R, Kanagasabai, T, Torruellas-Garcia, J, Rathinavelu, A. Evaluation of the cytotoxic profile of Metformin and Y15 in platinum resistant ovarian cancer cells. In: Proceedings of the 107th Annual Meeting of the American Association for Cancer Research 2016; April 18–22; New Orleans, LA: AACR; Abstract no: 2090.
- Rose, N, Gossell-Williams, M Thame, M. Promacogenomics: screening for the potential risk of drug-induced haemolytic anaemia through the identification of glucose-6-phosphate dehydrogenase deficiency. In: Proceedings of the 24th Annual Research Conference held November 11th, 2015 University of the West Indies, Mona Campus. *West Indian Medical Journal* 64 (Suppl 4): 36 ABSTRACT P-15
- Williams, K, Jacob, A.S and Levy S.A (2015). Investigation of the Anti-inflammatory and Analgesic Effects of the Aqueous Extract Obtained from the Bark of Guaiacum Officinale (Lignum Vitae)

presented at The Natural Product Health Research Society Conference. University of Western Ontario. Canada, August 14th–17th Poster # 8.

- Lindo, R. L, Reese, P. B., and Bartley, T. A. Investigating *Salvia serotina* (Chicken Weed) for its Hypoglycaemic and Hypotensive effects in Normal Sprague-Dawley Rats. Faculty of Medical Sciences Annual Research Conference (November 2015) FIRST PLACE PRIZE FOR BEST POSTER
- Foster, S. R, Omoruyi, F. O, Dilworth, L. L, Bustamante, J and Alexander-Lindo, R.L. The Effect of Inositol Hexakisphosphate and Inositol Combination on Renal and Hepatic Function and Antioxidant Status in Streptozotocin-induced Type 2 diabetes mellitus Sprague-Dawley Rats. University Diabetes Outreach Programme (UDOP), The 22nd Annual International Diabetes Conference, Diabetes and the Nervous System: Is there a role for Cannabis compounds? April 28-30, 2016 FIRST PLACE PRIZE FOR BEST POSTER.

ABSTRACTS

- Martin, D, Nelson, G, Mansingh, A. The effect of kinesio taping on pain and jump performance in club volleyball players with patellar tendinopathy in the Cayman Islands. *West Indian Medical Journal Supplement* Vol 64 (Suppl 4): p 29.
- Campbell, J, Mansingh, A, Palmer, W, Nelson, G. The relationship between core strength, endurance and lower back pain among competitive cyclists. *West Indian Medical Journal Supplement* Vol 64 (Suppl 4): p 34.
- Fraser, T., Brown, P.D. (2016). Temperature and oxidative stress as triggers for virulence gene expression in pathogenic *Leptospira* spp. 17th International Congress on Infectious Diseases, *Hyderabad, India*. March 2–5, 2016.
- Foster, S, Alexander-Lindo, R.L, Omoruyi, F, Bustamante, J and Dilworth, L. Inositol Hexakisphosphate (IP6) and Inositol Combination Lowers Fluid and Food Intake in Type 2 Diabetes Mellitus Sprague-

Dawley Rats. *West Indian Medical Journal* 64(4): 26 (November 2015)

- Lindo, R.L, Reese, P.B and Bartley, T.A. Investigating *Salvia serotina* (Chicken Weed) for its Hypoglycaemic and Hypotensive effects in Normal Sprague-Dawley Rats. *West Indian Medical Journal* 64 (4): 26 (November 2015)
- Foster, S R., Omororuyi, F O., Dilworth, L L., Bustamante, J and Alexander-Lindo, R L. The Effect of Inositol Hexakisphosphate and Inositol Combination on Renal and Hepatic Function and Antioxidant Status in Streptozotocin-induced Type 2 diabetes mellitus Sprague-Dawley Rats. *West Indian Medical Journal* 65(1): 34 (ISSN 0043-3144) (April 28-30, 2016)
- Daley, D.K, Yee, T, Reese, P.B. and Lindo, R.L. The potential development of diabetic pharmaceuticals, nutraceuticals and functional foods from hypoglycaemic compounds isolated from *Eucalyptus camaldulensis*. University Diabetes Outreach Programme (UDOP). The 22nd Annual International Diabetes Conference, Diabetes and the Nervous System: Is there a role for Cannabis compounds? April 28-30, 2016. (Oral Presentation).
- Foster, S., Omoruyi, F., Dilworth, L L, Bustamante, J and Alexander-Lindo, R L. Anti-diabetic properties of combined Inositol Hexakisphosphate and Inositol in Streptozotocin-induced Type 2 Diabetes Mellitus Sprague-Dawley Rats. AACC meeting in Philadelphia, July 31, 2016. (Accepted).

CONFERENCES ATTENDED

- Badal, Simone. UNC LINEBURGER CONFERENCE, Chapel Hill, North Carolina, April 10th–11th 2016 on “Molecularly targeted cancer therapies from bench to bedside.”
- Brown, Paul. 17th International Congress on Infectious Diseases, Hyderabad, India. March 2–5, 2016.

Department of Basic Medical Sciences

- Brown, Paul. American Society for Microbiology Microbe Meeting, Boston, MA, USA, June 16–20, 2016.
- Brown, Paul. 6th Excellence in STEM Experiential Education (ExSEED) conference, Kingston, Jamaica, July 11–15, 2016.
- Gordon, Carron. The Everything Therapy Continuing Education Seminar in June 2016 held in Kingston. Topic: Therapeutic Ultrasound.
- Martin, D, Nelson, G, and Mansingh, A. (2015). The effect of kinesio taping on pain and jump performance in club volleyball players with patellar tendinopathy in the Cayman Islands; presented at the UWI Faculty of Medical Sciences Annual Research Conference.
- Roopchand-Martin, Sharmella (2016). Invited presenter Monalaw annual conference. Topic: Research Ethics- Scientific Misconduct.
- Roopchand-Martin, Sharmella (2016). Served as faculty for the Caribbean Public Health Agency (CARPHA) for the launch of CANREC (Caribbean Network of Research Ethics Committees).
- Roopchand-Martin, Sharmella 2016 (January) – Served as faculty for the Caribbean Public Health Agency (CARPHA) for 3 day training workshop in ethics conducted in Trinidad.
- Roopchand-Martin, Sharmella 2015 (December) –Served as faculty for the Caribbean Public Health Agency (CARPHA) for 3 day training workshop in ethics conducted in Jamaica.
- Roopchand-Martin, Sharmella 2015 (October) – Trinidad and Tobago Anesthesiology Association (TTAA) in Collaboration with the Biomedical Ethics Society of the Caribbean (BSEC) annual conference. Asked to present a paper on ethical issues associated with conducting researching the ICU and also asked to facilitate two workshops on the role of ethics committees.
- Roopchand-Martin, Sharmella 2015 (October) – Served as faculty for the Caribbean Public Health Agency (CARPHA) for 4 day training workshop in ethics conducted in Antigua. Joint programme with UNESCO with trainees coming from the Eastern Caribbean.

- Lindo, Lisa. The University of the West Indies, Faculty of Medical Sciences, 24th Annual Research Conference & Workshop. Cancer, A Growing Public Health Priority in the Caribbean, Faculty of Medical Sciences Teaching & Research Complex, November 8 & 11–13, 2015.
- Ragoobirsingh, Dalip. The University of the West Indies Diabetes Outreach Programme 22nd International Conference on Diabetes and Cannabis, April, 28–30, 2016, Montego Bay, Jamaica.
- Ramocan, Kimberley. American Academy of Forensic Sciences Annual Scientific Meeting, AAFS Trainee Affiliate [February 2016]
- Young-Martin, Lauriann. The 24th Annual FMS Research Conference and Workshop on Cancer, a Growing Public Health Priority in the Caribbean, Nov. 11–13, 2015.

BOOKS AND BOOK CHAPTERS

- Hamilton, C, Mazumdar-Leighton, S, Amarakoon, I and Roye, M. Tomato yellow leaf curl virus (TYLCV). In: Tennant, P. & Fermin, G. (Eds) *Virus diseases of tropical and subtropical crops*. CABI Plant Protection Series 2015. Chapter 13: 177–188. CAB International publishing, UK.
- Levy, A.S. Key genes in the progression of prostate cancer: In *Prostate cancer-Advances in Diagnosis, treatment and care of patients*.
- Francis, S, Nwokocha, C.R, Delgoda, R. Inhibition of cytochrome P450 1 enzymes by apocynin and other Jamaican natural products: Assessing potential for chemoprevention and drug-herb interactions. In-vitro Bioassays and Chromatographic Analyses used to screen natural Products from Jamaica in the 21st century, 2015; 49-61 Editor: Cheryl E. Green.
- Liwa, A.C., Barton, E.N, Cole, W.C. and Nwokocha, C.R. Chapter 15; Bioactive Plant Molecules, Sources and Mechanism of Action in the Treatment of Cardiovascular Disease. McCreath-1611338 978-0-12-802104-0 Elsevier Publications.

TECHNICAL REPORTS

- Ragoobirsingh, D. WHO Guideline Development Group Nutrition Action 2013-2014 et al, WHO Guideline: Daily iron supplementation for menstruating women. WHO Press, Geneva: 2016. http://www.who.int/nutrition/publications/micronutrients/guidelines/daily_iron_supp_womenandgirls/en/

ARTICLES IN PEER-REVIEWED JOURNALS

- Ramkissoon, A, Amarakoon, I, Pierre, R, Eyzaguirre, L, Carr, J, Blattner, W. and Roye, M. Multiple Drug Resistances in HIV-1 positive Jamaican paediatric patients. *AIDS research and Human Retroviruses*. 2015 Sep; 31(9):932-7. doi: 0.1089/AID.2015.0122. E-pub 2015 Aug 5.
- Badal, S, Aiken, W, and Ward, S. Molecular targets and angiogenesis in Renal cell carcinoma: A multi-target approach. *Current Drug Targets*. May 2nd 2016, Ahead of print.
- Chambers, B, Luke, A, Forrester, T, Rattray, V, and Badal, S. The Need for Improved BPA Testing and Awareness among Stakeholders in Underdeveloped Countries: A Jamaican Pilot Study. *Int. J Curr. Microbiol. App. Sci*. 2015. 4(6): 452-466.
- Rahbar, M.H., Samms-Vaughan, M., Bressler, J.M., Loveland, K.A., Hessabi, M., Dickerson, A.S., Grove, M.L., Shakespeare-Pellington, S., Beecher, C., McLaughlin, W. and Boerwinkle, E. (2015). Interaction between GSTT1 and GSTP1 allele variants as a risk modulating-factor for autism spectrum disorders. *Research in Autism Spectrum Disorders*, 12: 1–9.
- Rahbar, M. H., Samms-Vaughan, M., Ma, J., Bressler, J., Dickerson, A. S., Hessabi, M., Loveland, K. A., Grove, M. L., Shakespeare-Pellington, S., Beecher, C., McLaughlin, W. and Boerwinkle, E. (2015). Synergic effect of GSTP1 and blood manganese concentrations in Autism Spectrum Disorder. *Research in Autism Spectrum Disorders*, 18: 73–82.

- Davis, R. and Brown, P.D. (2016). Multiple antibiotic resistance, fitness and virulence potential in respiratory isolates of *Pseudomonas aeruginosa* from *Jamaica*. *J Med Microbiol* 65 (4): 261–271. 10.1099/jmm.0.000229.
- Stephenson, S. and Brown, P.D. (2016). Dam methylation influences P fimbriae expression and cellular attachment of uropathogenic *Escherichia coli*. *Front Publ Hlth* 4:131 10.3389/fpubh.2016.00131
- Gibson, R, Roopchand-Martin, S and Mason, G (March 2016). The effect of an XBOX Kinect dance intervention on the affect of sedentary university students. *West Indian Medical Journal*. DOI: 10.7727/wimj.2015.510.
- Nelson, G., McNaught-Mitchell, M., Roopchand-Martin, S. and Gordon, C. (2015) Wii Fit Plus exercise training for persons with cardiac disease. *Cardiopulmonary Physical Therapy Journal*. 26:73-77.
- Roopchand-Martin, S and Nelson G. (2015). Is the Wii Fit free run activity a feasible mode of exercise for regular exercisers? A comparison with treadmill running. *The Journal of Sports Medicine and Physical Fitness*. epub ahead of print.
- Cato, E. and Williams, S.K.P. (2016) Perceived confidence to interpret diagnostic imaging: The Bahamian physiotherapists' perspective. e-published by *WIMJ*,. DOI: 10.7727/wimj.2016.570.
- Williams, S.K.P. and Nunes, K. ([Dec] 2015) A survey of physiotherapists' attitudes toward older people in Trinidad and Tobago. *International Journal of Therapy and Rehabilitation*. 22(12) 592- 596. DOI10.12968/ijtr.2015.22.12.592
- Levy, A.S., Khan, Z, Batko, S, Thallapureddy, K, Smith, R, Kanagasabai, T, Torruellas-Garcia, J, and Rathinavelu, A. Evaluation of the cytotoxic profile of Metformin and Y15 in platinum resistant ovarian cancer cells. In: Proceedings of the 107th Annual Meeting of the American Association for Cancer Research 2016; April 18–22; New Orleans, LA: AACR; Abstract nr 2090.
- Levy, A,S. Role of Tmprss2-ERG Fusions in Prostate Cancer: Significance of Assessment in Jamaican Men. *West Indian Medical*

Journal. Epub. Ahead of print: March 2016: DOI: 10.7727/wimj.2015.574.

- Burnett, A, McKoy, M.L. and Singh, P. (2015). Investigation of the Blood Glucose Lowering Potential of the Jamaican *Momordica charantia* (Cerasee) Fruit in Sprague-Dawley Rats. *West Indian Medical Journal* Vol. 64(4): 315-319.
- Cameron C, Jacob, A.S, Thomas, E.A. and Levy, A.S. (2015). Preliminary Investigations of the Anti-asthmatic Properties of the Aqueous Extract of *Justicia pectoralis* (Fresh cut). *West Indian Medical Journal* 64 (4): 320-4.
- Williams K, Jacob, A.S. and Levy, S.A. (2015). Investigation of the Anti-Inflammatory and Analgesic Effects of the Aqueous Extract Obtained from the Bark of *Guaiacum officinale* (Lignum Vitae). DOI: 10.7727/wimj.2015.089
- Reboe, M, Waite, T, Levy, A. S, Rathinavelu, A and Sivanesan, D (2015). Vitamin E and Focal Adhesion Kinase inhibitor Y15 enhances the cytotoxic effects of cisplatin and paclitaxel in platinum resistant ovarian cancer cells. *West Indian Medical Journal*. DOI: 10.7727/wimj.2015.045
- Morris, K, Reboe M, Levy, AS (2016). A potential role for the anti-diabetic drug metformin in the treatment of platinum resistant ovarian cancer. *West Indian Medical Journal*. DOI: 10.7727/wimj.2015.456
- Levy, AS (2016). Role of TMPRSS2-ERG Fusions in Prostate Cancer: Significance of Assessment in Jamaican Men. *West Indian Medical Journal*. Epub. Ahead of print: March 2016: DOI: 10.7727/wimj.2015.574
- McKenzie, K. S., Campbell, J. E., Procope, A, Elliott, V. E., Wilson-Clarke, C, Gossell Williams, M. (2016). Therapeutic anticoagulation prevalence among patients of a cardiology clinic receiving warfarin and association with overweight. *International of Journal of Pharmacovigilance* 1(1):4.
- Nesbeth, K. A. T., Samuels, L. A., Daley, C. N., Gossell-Williams,

- M., & Nesbeth, D. A. (2016). Ptyalism in Pregnancy – A review of epidemiology and practices. *European Journal of Obstetrics & Gynecology and Reproductive Biology*. 198:47–49
- Mason, T, Verley, M, Gossell-Williams, M, Thorbourne, A, Walcott-Mitchell, A, Hoe, K, Lee, M. (2015). Gentamicin Therapeutic Drug Monitoring: Importance in the Hospital Setting. *West Indian Medical Journal*. DOI: 10.7727/wimj.2015.603
 - Kennedy-Dixon, T, Gossell-Williams, M, Hall, J, Anglin-Brown, B. (2015). The prevalence of major potential drug-drug interactions at a University health centre pharmacy in Jamaica. *Pharmacy Practice (Granada)* 13(4):601.
 - Facey J, Young L, Nwokocha C.R. Effect of ATP-sensitive potassium channel inhibition on the vasorelaxant response to ketamine in diabetes mellitus (Abstract). *WIMJ*, 2015, 64 (Suppl.4): 27.
 - Campbell, M, Ehikhametalor, K, Wilson-Clarke, C, Gossell-Williams, W. (2016). Chronic Non-Malignant Pain needs more than a Pain Pharmacotherapy Ladder. *The Caribbean Pharmacist* 16.
 - Barrett, S, Huffman, F, Johnson, P, Campa, A, Magnus, M and Ragoobirsingh, D (2016) Acanthosis Nigricans: Relation to Risk of Type 2 Diabetes and Cardiovascular Diseases among Jamaican Adolescents. *Integrative Food, Nutrition and Metabolism J*. Volume 3, Issue 2, DOI: 10.15761/IFNM.1000142.
 - Paredes A, Palacios J, Quispe C, Nwokocha CR, Morales G, Kuzmicic J, Cifuentes F. Hydroalcoholic extract and pure compounds from *Senecio nutans* Sch. Bip (Compositae) induce vasodilation in rat aorta through endothelium-dependent and independent mechanisms. *Journal of Ethnopharmacology*. 2016 Jul 5. pii: S0378-8741(16)30431-7. doi: 10.1016/j.jep.2016.07.008. [Epub ahead of print] PMID: 27392595
 - Francis S, Laurieri N, Nwokocha C, Delgoda R. Treatment of Rats with Apocynin Has Considerable Inhibitory Effects on Arylamine N-Acetyltransferase Activity in the Liver. *Scientific Reports*. 2016 May 31;6:26906. doi: 10.1038/srep26906. PMID: 27242013

- Cifuentes F, Paredes A, Palacios J, Muñoz F, Carvajal L, Nwokocha CR, Morales G. Hypotensive and antihypertensive effects of a hydroalcoholic extract from *Senecio nutans* Sch. Bip. (Compositae) in mice: Chronotropic and negative inotropic effect, a nifedipine-like action. *Journal of Ethnopharmacology*. 2016 Feb 17;179:367-74. doi: 10.1016/j.jep.2015.12.048. Epub 2015 Dec 25. PMID: 26724424
- Cifuentes F, Palacios J, Nwokocha CR, Pardo F, Sobrevia L. Synchronization in the Heart Rate and the Vasomotion in Rat Aorta: Effect of Arsenic Trioxide. *Cardiovascular Toxicology*. 2016 Jan;16(1):79-88. doi: 10.1007/s12012-015-9312-4. PMID: 25666560.
- Ejebe, D. E., Esume, C. O., Nwokocha, C. R., Kagbo, H. D., & Okolo, A. C. (2016). Single Adult human Equivalent Dose of Intramuscular Chloroquine did not Lower Blood Glucose Level in Fasted Wistar Rats. *Clin Exp Pharmacol*, 6(213), 2161–1459
- Owu, D. U., Nwokocha, C. R., Ikpi, D. E., & Ogar, E. I. (2016). Effect of Vitamin C Supplementation on Platelet Aggregation and Serum Electrolytes Levels in Streptozotocin-Induced Diabetes Mellitus in Rats. *Nigerian journal of physiological sciences: official publication of the Physiological Society of Nigeria*, 31(1), 55.
- Young, L. Chin-Quee K. (2016). A comparison between delta-9-tetrahydrocannabinol and a Jamaican marijuana tea extract in an animal model of addiction (Abstract). *Sfn Abstract Viewer*, 2016 June 22: 77.
- Stennett, D, Wheatley, A, Dilworth, L, Asemota. H. (2016) Optimal dosage determination of a hypocholesterolemic bitter yam proprietary preparation in diet-induced hypercholesterolemic mice. *Journal of Basic and Applied Research* 2(3): 281–290.
- Bahado-Singh P.S, Riley C.K, Wheatley A.O, Boyne M.S, Morrison E.Y, Asemota H.N. (2015). High Fiber Caribbean Diets with Low-Intermediate GI Improve Glycemic Control, Cardiovascular and Inflammatory Indicators in Overweight Persons with Type 2 Diabetes: A Randomized Control Study. *Curr Res Nutr Food Sci*. 3(1)
- Dilworth, L.L, Omoruyi, F.O. and Asemota, H.N. (2015). Effects

of IP6 and Sweet Potato (*Ipomoea batatas*) Phytate on Serum, Liver and Faecal Lipids in Rats. *International Journal of Food Science and Nutrition Engineering* 5(1): 53–58.

- Bahado-Singh, P.S, Riley, C.K, Wheatley, A.O, Boyne, M.S, Morrison, E.Y.St.A and Asemota, H.N. (2015). High fiber Caribbean diets with low-intermediate GI improve glycemic control cardiovascular and inflammatory indicators in overweight persons with type 2 diabetes: a randomized control study. *Current Research in Nutrition and Food Science*. ISSN: 2347-467X, Online ISSN: 2322-0007. <http://www.foodandnutritionjournal.org/volume3number1/>. Available online at <http://www.foodandnutritionjournal.org/coming-issue/>
- McKoy, M, Grant, K, Asemota, H, Simon O and Omoruyi F. (2015). Renal and Hepatic Function in Hypercholesterolemic Rats Fed Jamaican Bitter Yam (*Dioscorea polygonoides*). *Journal of Dietary Supplements* 12 (2): 173–183

PATENT

- Denise Daley-Beckford, Ruby Lisa Alexander-Lindo, Trevor Herbert Yee and Paul Bancroft Reese. Extracts from *Eucalyptus camaldulensis* for the Treatment of Hyperglycemia and Hypertension Appl No.: 14/046,759. From U.S. Pat. Appl. Publ. (2014), US 2014/0100279 A1 Publication date: March 8, 2016.

INCOME GENERATION/FUNDING

Dr. Sonja Williams

Generated \$86,600.00 for the Section of Physical Therapy.

Source of income: Summer massage course entitled “Massage for Relaxation”.

Course developed and facilitated by Dr. Sonja Williams. Date of the course: June 6–29, 2016.

Research Grants

Dr. Paul Brown

Campus Research and Publication Fund (CRPF), UWI, Mona 2016–present

Role: PI (Awarded to Rochell Davis)

Investigation of the role of the stringent response in stress tolerance and antimicrobial resistance in *Klebsiella pneumoniae* and its contribution to in vivo pathogenesis US\$2902

Dr. Sophie Turfus obtained funding from Dean's office for shipment costs for donated items from King's College London (equipment value: £4500 GBP) GBP £388

Prof. Dalip Ragoobirsingh

BDS \$ 13890.92 – Post Graduate Research Award for Ms Allison Sugrim project, University of the West Indies Cave Hill Campus, entitled: Diabetes distress and its relationship to adherence to Medical regimens in Type 2 Diabetes Mellitus in a Caribbean population.

Dr. Maxine Gossell-Williams and **Dr Cameil Wilson-Clarke** received US \$12,650.00 from Glaxo Smith Kline for the furnishing of the Drug Information and Pharmacovigilance Unit.

Campus Committee for Research and Publication and Graduate Award for **Peta-Gaye Thomas** (PhD candidate). Title: Pharmacological assessment of symptomology, sleep patterns and motor activity in Cannabis Using Schizophrenic patients'. US \$1310.00.

Potluri Grant of JA\$4,197,434.67 to the Pharmacology Teaching Laboratory for Instrumentation.

The laboratory was renamed the 'Potluti Pharmacology Teaching Laboratory' on February 9, 2016.

Dr. Nwokocha Chukwuemeka (Principal Investigator)

Investigation of the role of abnormal ion channel activity in cerebral

resistance arteries of type 2 diabetic Goto-Kakazi rats. – US\$19,300. The World Academy of Sciences for the Advancement of Science in Developing Countries TWAS/UNESCO grants 13-108 RG/BIO/LA.

“Cadmium and hypertension in Jamaica: any correlation? J\$2.5M received from Research Fellowship Committee for a Multidisciplinary/Cross-Faculty Collaboration Grant. University of the West Indies, Mona. Dr. Nwokocha Chukwuemeka (Principal Investigator), Prof. Wilks, Rainford; Dr. Cunningham-Myrie, Colette; Dr. Younger-Coleman, Novie; Prof. Voutchkov, Mitko; Prof. Abdulkadri, Abdullahi; Dr. Rattray, Vaughn.

Dr. Michael Rowe received the Principal’s Initiative Grant (JA\$1.5 M, 2016) to conduct investigation into “The Effect of Unilateral Stiff-Knee-Gait and Body Composition on Stride Mechanics and Net-Cost of Transport During Bipedal Walking.

Dr. L. Young-Martin (Principal Investigator) and Ms. M. McCleary (graduate student) received an additional grant of US\$2700 (March 2016) from Graduate Studies to facilitate an MPhil research study entitled “GPR55 Involvement in the Anti-convulsant Effects of Cannabidiol.

Dr. Simone Badal

Application to Department Of Defence in collaboration with UNC, Chapel for funding in the amount of US\$600,000 towards genomics testing on Caribbean PCa cell lines has passed the first round. This work would be an extension of the current research which is the development of novel Jamaican PCa cell lines for which S. Badal is the PI.

PUBLIC SERVICE

Dr. Icolyn Amarakoon

- Member, Working Group Hazardous Waste Management Project
- Mentor, Future Leaders of Jamaica
- Member, Society for Scientific Advancement (SoSA)
- Member, Fulbright Alumni Association

Dr. Paul Brown

- Poster judge, Wellcome Trust/DBT India Alliance, 17th International Congress on Infectious Diseases (ICID), Hyderabad, India. March 5, 2016.
- Session Chair, The Future of Infectious Diseases Diagnostics, 17th ICID, Hyderabad, India. March 4, 2016. Two-hr symposium included presentations on MALDI-TOF, Point of Care Testing for Global Health and Whole Genome Sequencing in Diagnostic Microbiology.
- Workshop participant, Workshop for Developing Infection Prevention and Control Resources and Applied Research in LMICs, 17th ICID, Hyderabad, India. March 3, 2016.
- President, WIGUT (Jamaica).
- Chief Judge, Secondary Schools division, JPS Science and Technology Expo for Schools, National Finals. March 2016
- Adjudicator, American International School of Kingston (AISK) Middle School Science Fair. March 2016
- Country Ambassador to Jamaica, American Society for Microbiology (ASM).
- Member, Research Subcommittee, International Society of Infectious Diseases. Terms: Oversight of ISID’s research grants & awards and fellowship programs.
- Chair, American Society for Microbiology (ASM) Leadership Circle. Terms: Oversight of ASM’s strategic direction in terms of communication between members and Ambassadors, international grants and fellowships, and Ambassador orientation. Appointed September 2014. Term of office ended June 2016.
- External Examiner, Microbiology programme at University of Technology.

Dr. Jacqueline Campbell

- Volunteer physician, Women’s Health Network

- Member of Management Committee of the Caribbean Poison Information Network (CARPIN)

Dr. Kerith Golden

- Vice President, Stock Farm Road Citizens Association, Golden Spring, St Andrew
- Member of the Board (Vice President), Jamaica Association for Children with Learning Disabilities.

Dr. Carron Gordon

- Member: Jamaica Physiotherapy Association

Ms. Gillian Hudson

- Member, Jamaica Physiotherapy Association
- Consie Walters Cancer Care Center Executive Member; Friends of Sir John Golding Rehabilitation Center

Dr. Rachael Irving

- Committee Member, National Sports Museum chaired by Honourable Portia Simpson-Miller, Prime Minister of Jamaica

Dr. Audrey Jacob

- Participated in the Read across Jamaica Day events at Immaculate Conception Preparatory School

Dr. Lisa Lindo

- Member, Fulbright Alumni Association
- Chair, American Friends of Jamaica (AFJ) / Sue Cobb Lecture Series
- Member, Society for Scientific Advancement (SoSA)
- Interview on Patent: Nationwide on Wednesday May 4, 2016
- Interview on Patent: On Campus with Dr. Carroll Edwards University Section, Regional

Department of Basic Medical Sciences

- Headquarters, Mona April 28, 2016 aired Sunday, May 1, 2016 at 2:00 p.m. on Newstalk 93 FM and 4:00 p.m. on RJR 94 FM

Dr. Jean-Pierre Louboutin

- Member of Editorial Boards of 27 journals
- Reviewer of 60 peer-reviewed journals
- Reviewer of grants for Scientific Council of Romania (Young Investigators Awards in 2015)

Professor Wayne McLaughlin

- Board Member, Coconut Industry Board
- Board Member, Seprod Limited

Ms. Gail Nelson

- Member, Jamaica Physiotherapy Association
- Member of the Philharmonic Orchestra of Jamaica – Violist; Board of Management
- Member, UWI Classical and Jazz Ensemble (2015–to present)
- Accredited Local Preacher, Methodist Church in the Caribbean and the Americas

Dr. C. R. Nwokocho

- Member, Organizing Committee of the FMSARC

Dr. Andrew G. M. Pearson

- Chairman, International Standards Organisation Technical Committee 93 (Starch & its derivatives).
- Visited the University of Nairobi to establish academic links between the two universities.

Professor Dalip Ragoobirsingh

- Consultant Diabetes Educator, Diabetes Association of Jamaica (DAJ)

- Consultant Diabetes Educator, University Hospital of the West Indies (UHWI)
- Panel member on Technical Advisory Committee, The Chronic Diseases and Injuries Unit, Ministry of Health, Jamaica (MOH), updating the National Guidelines for the management of diabetes.
- Member, Pan American Health Organization Special Technical Committee to revise and update the nutrient requirements and recommended dietary allowances (RDAs) for the populations in the English speaking Caribbean.
- Member, World Health Organization Guideline Development Group

Mrs. Kimberley Ramocan

- National Television Interview, at Mock Crime Scene Excavating Human Remains, Mercyhurst
- University, Erie, Pennsylvania (June 9, 2016)

Dr. Sharmella Roopchand-Martin

- Chair for CARPHA's Research Ethics Committee, December 2015
- Secretary for Bioethics Society for the English Speaking Caribbean – appointed January 2016

Dr. Sophie Turfus

- Judge at the American International School of Kingston Science Fair held 17th March 2016.
- Member, International Association of Forensic Toxicologists
- Member, London Toxicology Group
- Public Relations Officer, Caribbean Association of Forensic Sciences

Dr. Sonja Williams

- Member, Jamaica Physiotherapy Association

Dr. Cameil Wilson-Clarke

- Mentor, Future Leaders of Jamaica Foundation

Department of Basic Medical Sciences

- Member, Future Leaders of Jamaica Mentorship and Outreach Committee.
- Coordinator of the Pharmaceutical Society of Jamaica ASTRA RUN (5k Walk/Run)
- Organised Community Health Fairs (Free Clinics) for Ridge Community Annual Health Fair, St. Peters Anglican Health Fair, Pharmaceutical Society of Jamaica Annual Week Health Fair

Dr. Lauriann Young-Martin

- Lector and Member of the Liturgical Committee of Holy Cross Roman Catholic Church
- Member, Fund-raising Committee of Holy Cross Church
- Member, Women in World Neuroscience (WWN)
- Invited guest on News Talk 93 hosted by Prof. Carolyn Cooper to discuss the role of the UWI Medicinal Cannabis Research group

UNDERGRADUATE STUDENTS REGISTRATION

BB Med Sci.

Year 1 = 62

Year 2 = 55

Year 3 = 73

BSc -Physical Therapy

Year 1 = 55

Year 2 = 57

Year 3 = 65

36 graduated in October 2015

MSc- Physical Therapy

1 student was enrolled for the year 2015–2016 and should graduate in October 2016

1 graduated in October 2015

MBBS/ DDS

Year 1 = 354

Year 2 = 366

FST (Registrations in BMS courses)

Year 1 = 1501

Year 2 = 289

Year 3 = 410

POST GRADUATE STUDENTS REGISTRATION

Taught Masters

MSc Forensic Science = 21

MSc Applied Pharmacology = 7

MSc Biomedical Research = 7

MSc Physical Therapy = 1

Research

MPhil = 34

PhD = 15

POSTGRADUATE DEGREES AWARDED

MPhil

Ms. Channtal Golding – Pharmacology

Department of Basic Medical Sciences

Ms. Monique Reboe – Pharmacology

Ms. Joan Facey – Physiology

Ms. Nicolía Nelson – Biochemistry

PHD

Sharon Harrison – Biochemistry

MSc Applied Pharmacology

Nicola Rose

M.Sc. Forensic Science

Davalene Neale

Najair Pennicooke

Jay-Vis McIntosh

Donovan Thomas

Shanielle Gordon

Carol Stephens

Shikera Fearon

Nikolai Nunes

Colleen Campbell

Marika Vernon

Stephen Longmore

POSTGRADUATE AWARDS

- **Mr. Andrew Condappa** won Dean's award for best student presentation for his research project completed as part of the Bachelor of Basic Medical Sciences Pharmacology Programme.
Title: The efficacy of premarin versus ketoconazole prostate specific antigen responses in castrate-resistant prostate cancer.
- **Ms. Peta-Gaye Thomas** won the Professor Manley West Award for research project in Pharmacology.

- Title: Cannabis potentiates transient elevation of aspartate aminotransferase in schizophrenia patients prescribed risperidone.

VISITORS TO THE DEPARTMENT

The External Examiner for the Final Professional Examination for Physical Therapy held in July 2016 was Dr. Melrose Stewart-Fraser from University of Birmingham, London, UK

William Cole, PhD

- Professor in the Department of Physiology & Pharmacology, Libin Cardiovascular Institute and Hotchkiss Brain Institute, Cumming School of Medicine, University of Calgary, Canada, visited during the month of February 2016. He assisted with undergraduate BB Med Sc teaching and delivered a seminar to graduate students in the BMS department.

Joseph Whittaker, PhD

- Professor, Department of Biology, Morgan State University, Associate Director, NASA GESTER programme, Former Dean, School of Computer, Mathematical and Natural Sciences, Baltimore, USA, visited in June 2016 and attended a meeting (chaired by Dr. L. Young-Martin) to introduce Prof. Whittaker to the cannabis research group and to establish collaborative linkages in neuroscience research.

DEPARTMENT OF CHILD AND ADOLESCENT HEALTH



**Professor Minerva Thame, MBBS, DCH, DM (Paeds), PhD
Head of Department**

WORK OF THE DEPARTMENT

The Department of Child and Adolescent Health has as its main focus, the improvement of the health and welfare of families through clinical service, research, intellectual leadership, advisory and community services and training of undergraduate students and postgraduate doctors.

In-patient clinical services are delivered through two paediatric medical wards and a newborn special care unit which includes a neonatal intensive care unit. Out-patient clinical services are delivered through general and sub-specialty clinics in cardiology, development and behaviour, endocrinology, haematology and oncology, infectious diseases, neonatology, nephrology, neurology, and pulmonology and a Paediatric Casualty.

The Department has been involved in collaborative research with other faculties of the University of the West Indies and several overseas

institutions such as Vanderbilt University Global Health Program, University of Texas and the Children's Nutrition Research Centre (CNRC), Baylor College of Medicine, Texas and Yale University. These partnerships have also afforded student exchanges and this academic year several postgraduate students pursued electives at Yale University. Several members of the Department are involved in health promotion activities such as media presentations both print and electronic, community health fairs and presentations to the public. Members also demonstrated intellectual leadership through their involvement with several advisory boards.

The Department offers two undergraduate courses as part of the MBBS programme and a postgraduate programme in Paediatrics (Doctor of Medicine in Paediatrics) with students registered in Jamaica and in the Bahamas. Additionally, staff of the Department teach courses in child and adolescent health related areas and provide research and clinical supervision to students enrolled in undergraduate programmes in Nursing and Midwifery and postgraduate programmes in Clinical Psychology, Education, Nutrition, Family Medicine, Epidemiology and Public Health. During the academic year, two new programmes were commenced. These are the fellowship in Neonatology initiated by the Programme for the Reduction of Maternal and Child Mortality (PROMAC) and the Post-graduate diploma in Loss Grief and Trauma Management under the stewardship of Dr. Audrey Pottinger, Senior Lecturer and Clinical Psychologist.

There were 361 junior students and 300 senior students who completed the Child and Adolescent Health rotations over the last year. In the November/December 2015 final examination in Paediatrics, of the 37 candidates who were examined, 31 were successful while in May/June 2016, of 221 candidates who were examined, 194 were successful and 9 were awarded Honours. During the academic year 2015/2016, there were 70 elective students who rotated through Child and Adolescent Health. Fifty were from UWI; 20 were from overseas Universities: Caribbean (8), UK (9), Germany (2), and Australia (1).

There were 51 postgraduate students registered in the DM Paediatrics

programme during the year under review. Thirty six students were registered in Jamaica and 15 students were registered in the Bahamas. Nine candidates sat the DM Part 2 final examination and 5 (55.6%) were successful while 11 candidates sat the DM Part 1 examinations and 8 (72.7%) were successful. Ten candidates started the program on July 1st 2016; 7 were registered in Jamaica and 3 were registered in the Bahamas.

NEONATAL FELLOWSHIP

The neonatal fellowship was approved by the Board for Graduate Studies and Research and commenced January 2015. This fellowship programme was one of three fellowships initiated by the Programme for the Reduction of Maternal and Child Mortality (PROMAC) which is a joint initiative between the European Union and the Government of Jamaica. The UWI was engaged as the educational institution to conduct the training. We have had one cohort of 2 candidates to date.

PERINATAL AUDIT, SYMPOSIUM AND CONFERENCES

This year was the fifteenth year of the Perinatal Audit and Symposium. This annual conference was held on the 27th and the 28th February this year. This is a joint effort between the Departments of Obstetrics and Gynaecology and Child and Adolescent Health with external review of perinatal statistics by practitioners from outside units. The theme this year was “Obesity: A worldwide epidemic”.

INVITED PROFESSIONAL AND ACADEMIC PRESENTATIONS

- **Christie CD.** “Hot Topics in Vaccines – Dengue Fever and 14-valent Conjugate Pneumococcal Vaccine in Children”, Inter Science Conference on Antimicrobial Agents and Chemotherapy (ICAAC), September 20, 2015, San Diego, California, USA.
- **Christie CD.** Invited Plenary speaker. “Jamaica’s invited perspective on the validation data and changes in collection tools, for the certification of elimination of MTCT HIV and Syphilis in Latin

America and the Caribbean, after the experience in Cuba”, Invited speaker and Consultant, Regional Validation Committee for Latin America and the Caribbean, PAHO, Washington DC, 13–14, Oct, 2015.

- **Christie CD.** Invited Plenary speaker. “Jamaica’s Youth” Living with HIV: Challenges and Best Practices. All in Workshop, 2 days. Jewels Run-A-Way Bay, Jamaica, Oct 2015. Sponsored by UNICEF/ Ministry of Health, Jamaica.
- **Christie CD.** Invited Plenary speaker. “Health Care System Response to the Child and Adolescent – Lessons and Perspectives from the pMTCT of HIV in Jamaica”. PAHO one day workshop, to develop a 9-month course on Adolescent Health for the Caribbean. 28 Oct, 2015.
- **Christie CD.** Plenary speaker. “Status of Training of Health Care Professionals on Adolescent Health.” PAHO Adolescent Health Conference, Latin America and the Caribbean. May 4–6, 2016. Spanish Court Hotel, Kingston, Jamaica.
- **Christie CD.** Plenary speaker. “Clinical Features, Diagnosis and Management of Zika infections”, at Zika V update – Public Symposium, 2 February, 2016, Conference sponsored by UWI, collaborating with PAHO/ WHO/ Jamaican Ministry of Health, at UWI’s Mona Campus
- **Christie CD.** Plenary speaker. “ZikaV – Implications for Pediatric Healthcare – Lessons learned from HIV/AIDS”, UWI’s ZIKA V Symposium, “One Environment – One Health”, 4–5 February, 2016, Hilton Hotel, Barbados
- **Christie CD.** Plenary speaker “Zika V – Research in Obstetric and Pediatrics – Lessons learned from HIV/AIDS”. PAHO/ WHO/ Jamaican MoH/ UWI Symposium, UWI Mona Campus, 17 March, 2016
- **Christie CD.** “ZIKAction: Preparedness, Research and Action Network on Maternal-Paediatric Axis of ZIKV Infection in Latin America and the Caribbean” – Multiple presentations viz: to Leadership of Ministry of Health, UWI’s Dept of Child and Adolescent Health,

Dept of Obstetrics and Gynaecology, Health care workers in public and private sector, researchers and many others, during 2016.

- **Gabay L.** “Management of Obesity in Childhood (Orthopaedic complications)” – Jamaica Orthopaedic Association Conference. Faculty of Medical Sciences Teaching and Research Complex, February 13–14, 2016.
- **Harrison A.** “Young People at Risk” – MOH All In Prioritization Workshop, Jewels Runaway Bay Hotel, Jamaica. Sept. 24, 2015.
- **Harrison A.** “Communicating with Adolescents” – Adolescent Health Standards Criteria Workshop, Almond Tree Hotel, St. Ann, Jamaica. October 22, 2015
- **Harrison A.** “Adolescence for the Adolescent” – St Hugh’s High School Disciplinary Probation Intervention Session, St. Hugh’s High School, Kingston, Jamaica. October 29, 2015.
- **Harrison A.** “Communicating with Adolescents” and “Screening Approaches to Management”. 5th National Adolescent Health Workshop, MOH/PAHO/UHWI collaboration, Riu Hotel, Mamee Bay, St. Ann, Jamaica. November 27–29, 2015
- **Harrison A.** Normal pre and young adolescent development, Violence Prevention Alliance – Child Resiliency Programme, Alhambra Inn, Kingston, Jamaica. February 11, 2016
- **Harrison A.** “Youth and Risky Behaviour: Role of the Primary Care Physician” – World Family Doctor Day, Terra Nova Hotel, Jamaica. May 15, 2016
- **Harrison A.** “Caribbean Adolescent Health Needs” – PAHO Adolescent Health Curriculum Development, Sheraton Hotel, Kingston, Jamaica. May 4–6, 016
- **Harrison A.** “Communicating with the Adolescent” – Paediatric Annual Conference, Savanna-la-Mar June 18, 2016
- **Harrison A.** “Special needs of the adolescent patient: Understanding the adolescent”. Faculty for Ministry of Health’s Regional training ‘Adolescent Health Standards and Criteria training events’. – July 2015

- **Melbourne Chambers R.** “Chikungunya in Jamaica – Public Health Effects and Clinical Features in Children”. (invited platform presentation) at the Yale-UWI Global Health and Capacity Building CME Conference; Theme: Updates on Cancer, Infections and Genetics: From Bench to Clinic, April 29 to May 1, 2016, Faculty of Medical Sciences Teaching and Research Complex, University of the West Indies, Mona, Kingston, Jamaica.
- Anthony B, Tapper J, **Melbourne Chambers R.** “Pluses and Minuses of Implementing the Ketogenic Diet in the Caribbean”. 5th North American Regional Caribbean Congress on Epilepsy. Expanding Boundaries: A Global Approach to Epilepsy Management. Barbados. March 5, 2016.
- **Melbourne Chambers R.** “Epilepsy 101. What every nurse and doctor should know”. Second Paediatric Symposium 2016 – Sav la mar Hospital – June 18, 2016.
- **Miller M.** “Urinary Tract Infections in Children”. Second Paediatric Symposium 2016 – Sav la mar Hospital – June 19, 2016.
- **Pierre RB,** “Update on management of Paediatric HIV/AIDS” Presented (invited platform presentation) at the Yale-UWI Global Health and Capacity Building CME Conference; Theme: Updates on Cancer, Infections and Genetics: From Bench to Clinic, April 29 to May 1, 2016, Faculty of Medical Sciences Teaching and Research Complex, University of the West Indies, Mona, Kingston, Jamaica.
- Gowda S, **Pierre R,** Moore J, Lewis K, Palmer P, Christie CD, “Survival of perinatally HIV-infected children in Jamaica in the era of antiretroviral therapy (ART)” Presented (invited platform presentation) at the Yale-UWI Global Health and Capacity Building CME Conference; Theme: Updates on Cancer, Infections and Genetics: From Bench to Clinic, April 29 to May 1, 2016, Faculty of Medical Sciences Teaching and Research Complex, University of the West Indies, Mona, Kingston, Jamaica.
- **Pierre RB,** “UWI Requirements and Recommendations; what are the UWI options?” Presented (invited platform presentation) at the Caribbean Adolescent Health Curriculum Meeting PAHO/UWI

- Collaboration, Spanish Court Hotel, 1 St. Lucia Ave. Kingston Jamaica, May 4–6, 2016.
- C.R. Carty, L. Sidloyi, M. Picone, M. D'Eredita, G. Avramovic, C. Oprea, **R. Pierre**, C. Christie-Samuels, R. Hansudewechakul, S. Watanporn, M. Archary, E. Machado, M.D.F. Lago Garcia, C. Ball, J.S. Lambert. “The Passages Project: initial observations from a multi-country investigation into factors that impact transition from adolescent to adult HIV care”. Poster presentation at the 21st International AIDS Conference, July 18–22, 2016, Durban, South Africa [Abstract TUPED295].
 - F. De Souza, E. Paintsil, T. Brown, **R. Pierre**, D. Keene, N. Kim, C. Christie. “Transitioning HIV-Infected Children into Adult Care - Voices of Jamaican Adolescents and their Healthcare Providers”. Poster presentation at the 21st International AIDS Conference, July 18–22, 2016, Durban, South Africa. [Reference No: A-792-0194-02261]
 - **R.B. Pierre**, Q. Lu, D. Myers, J.T. Moore, C.D.C. Christie, E. Paintsil.” Viremia copy-years over the first 2 years predicts immunologic outcome in a pediatric HIV cohort in Jamaica. *Reviews in antiviral therapy & infectious diseases*. 2016; 7: 50–51. Poster presentation at the 8th International Workshop on HIV Pediatrics, 15-16 July 2016, Durban, South Africa [Abstract P 45].
 - F. De Souza, E. Paintsil, T. Brown, **R. Pierre**, D. Keene, N. Kim, C. Christie. ”Transitioning HIV-Infected Children into Adult Care - Voices of Jamaican Adolescents and their Healthcare Providers. *Reviews in antiviral therapy & infectious diseases*”. 2016; 7: 131. Poster presentation at the 8th International Workshop on HIV Pediatrics, 15–16 July 2016, Durban, South Africa [Abstract P 132].
 - C Lee, **AM Pottinger** and E Zalkalne. “International Counseling Research: A focus on its present and projecting its future”. International Association for Counsellors (IAC) Annual Conference 2016, IAC Research Roundtable, Dolmen Resort Hotel, Qawra, Malta, July 7–10, 2016.
 - N Passard and **AM Pottinger**. “Building Self-Esteem” - Workshop

for high school students across the island, UWI Mona Research Day 2016. Faculty of Medical Sciences Teaching and Research Complex, the University of the West Indies, Mona Campus, February 18-19, 2016

CONSULTANCIES

- **Christie CD.** Organiser. ZIKA V Public Symposium (on announcement of WHO's Epidemic of International Concern and first case of ZikV in Jamaica - a child), on 2 February, 2016, Conference Sponsored by UWI, Collaborating with PAHO/ WHO Jamaican Ministry of Health
- **Christie CD.** Co-Chair (with Prof Russell Pierre and Prof Elijah Paintsil - Yale) Yale-UWI Conference on Global Health and Capacity Building, April 29 to May 1, 2016. (In West Indian Medical Journal; Supplement Vol 65 (Suppl 2); 1-41. ISSN 0043-3144 WIMJAD.
- **Christie CD.** Member, UWI's Regional ZIKA V Task Force, "One environment – One health", Representing Paediatrics and Mother to Child Transmission. Appointed by the Vice Chancellor, UWI.
- **Christie CD.** International AIDS Society, Collaborative Initiative for Paediatric HIV Education and Research Stakeholder Consultation. Garden Court Hotel, South Beach, Durban, South Africa, 17th July, 2016.
- **Christie CD.** International AIDS Society, Industry Liaison Forum. Point of Care Diagnostics for HIV/AIDS. Durban, South Africa, July, 2016.
- **Harrison A.** Co-Coordinator, 5th National Adolescent Health Workshop, MOH/PAHO/UHWI collaboration, November 2015

PUBLICATIONS

Refereed Journal Articles

- Cook J, Hardie R, **Bailey K**, Tapper M, Vickers I, Calder D, Lindo

- JF. Seroprevalence of human toxocariasis, Jamaica. *Tropical Biomedicine*. 2016; 33(1):88–94
- Morrison BF, Madden W, Clato-Day S, **Gabay L**. Testosterone Replacement Therapy in Adolescents With Sickle Cell Disease Reverses Hypogonadism Without Promoting Priapism: A Case Report. *Urol Case Rep*. 2015 12; 3(6):179-80. doi: 10.1016/j.eucr.2015.07.006. eCollection 2015.
 - Harrison A, Fletcher Groves S, Gordon-Strachan G, **Thame M**. Factors affecting the choice and desire to exclusively breastfeed in Jamaica: A cross-sectional study at 6 weeks postpartum. *J Hum Lact*. 2016 May; 32(2):292-300.
 - Kanbur N, **Harrison A**. Co-occurrence of Substance Use and Eating Disorders: An Approach to the Adolescent Patient in the Context of Family Centered Care. A Literature Review. *Subst Use Misuse*. 2016 Jun 6; 51 (7):853-60.
 - Bhatt-Poulose K, James K, Reid M, **Harrison A**, Asnani M. Increased rates of body dissatisfaction, depressive symptoms, and suicide attempts in Jamaican teens with sickle cell disease. *Pediatr Blood Cancer*. 2016 Jul 9. [Epub ahead of print]
 - Hall-Parkinson D, Tapper J, **Melbourne-Chambers R**. Parent and caregiver knowledge, beliefs, and responses to convulsive seizures in children in Kingston, Jamaica – A hospital-based survey. *Epilepsy Behav*. 2015;51: 306-11.
 - **Melbourne-Chambers R**, Clarke D, Gordon-Strachan G, Tapper J, Tulloch-Reid MK. The UWIMONA Pediatric Epileptic Seizure Screening Questionnaire was equivalent to clinical assessment in identifying children with epilepsy. *J Clin Epidemiol*. 2015;68(9):988-93
 - Morrison-Levy N, **Melbourne-Chambers R**. Traditional Antiepileptics Remain First Line Treatment for Children with Epilepsy at The University Hospital of the West Indies, Kingston, Jamaica. DOI: 10.7727/WIMJ.2015.473 e-Published: 08 Mar, 2016
 - **Pottinger AM**, Nelson, K, & McKenzie C. Stressful events and

coping with infertility: factors determining pregnancy outcome among IVF couples in Jamaica. *Journal of Reproductive and Infant Psychology*. 2016; 34 (1), 3–14.

- **Pottinger AM**, Carrol, K & Mason, G. Male attitude toward masturbating: an impediment to infertility evaluation and sperm parameters. *Andrologia* 2015. DOI10.1111/and.12511].
- Rahbar MH, **Samms-Vaughan M**, Ma J, Bressler J, Dickerson AS, Hessabi M, Loveland KA, Grove ML, Shakespeare-Pellington S, Beecher C, McLaughlin W, Boerwinkle E. Synergic effect of GSTP1 and blood manganese concentrations in Autism Spectrum Disorder. *Res Autism Spectr Disord*. 2015;18:73-82.
- Ferguson TS, Younger-Coleman NO, Tulloch-Reid MK, Knight-Madden JM, Bennett NR, **Samms-Vaughan M**, Ashley D, McCaw-Binns A, Molaodi OR, Cruickshank JK, Harding S, Wilks RJ . Birth weight and maternal socioeconomic circumstances were inversely related to systolic blood pressure among Afro-Caribbean young adults. *J Clin Epidemiol*. 2015;68(9):1002–9. doi: 10.1016/j.jclinepi.2015.01.026.
- McLean N, **Trotman H**. Outcome of Late Preterm Infants at the University Hospital of the West Indies. *Amer J Perinatol* 2016 May 2. (Epub ahead of print).
- Thame M, Osmond C, **Trotman H**. Fetal growth and birth size is associated with maternal anthropometry and body composition. *Matern Child Nutr*. 2015 Oct;11(4):574-82. doi: 10.1111/mcn.12027. Epub 2012 Dec 13.
- Richardson C, **Trotman H**. Outcome of Macrosomic infants at the University Hospital of the West Indies. *West Indian Med J* DOI: 10.7727/wimj.2015.050
- Hsu JW, **Thame MM**, Gibson R, Baker TM, Tang GJ, Chacko SK, Jackson AA, Jahoor F. Unlike pregnant adult women, pregnant adolescent girls cannot maintain glycine flux during late pregnancy because of decreased synthesis from serine. *Br J Nutr*. 2016 Mar;115(5):759-63. doi: 10.1017/S0007114515005279. Epub 2016 Jan 20

- Kao CC, Cope JL, Hsu JW, Dwarkanath P, Karnes JM, Luna RA, Hollister EB, **Thame MM**, Kurpad AV, Jahoor F. The Microbiome, Intestinal Function, and Arginine Metabolism of Healthy Indian Women Are Different from Those of American and Jamaican Women. *J Nutr.* 2016 Mar 9. pii: jn227579. [Epub ahead of print]
- **Minerva M. Thame**, Indira Singh-Minott, Clive Osmond, **Roxanne Melbourne-Chambers**, Graham Serjeant. Pregnancy in Sickle Cell Haemoglobin C (SC) Disease. A Retrospective Study of Birth Size and Maternal Weight Gain. *Euro J Obstet & Gynecol and Reprod Bio.* 2016 Aug; 203:16–19

ABSTRACTS

- De Souza F, Paintsil E, Brown T, Pierre R, Keene D, Kim N, **Christie CDC**. Transitioning HIV-Infected Children into Adult Care – Voices of Jamaican Adolescents and their Healthcare Providers. 21st International AIDS Conference (AIDS 2016), Poster and abstract, 18–22 July, 2016 in Durban, South Africa.
- **Pierre RB**, Lu Q, Moore JT, **Christie CDC**, Paintsil E. Viremia copy-years over the first 2 years predicts immunologic outcome in a pediatric HIV cohort in Jamaica. Poster and Abstract # P_46, 21st International AIDS Conference (AIDS 2016) 18-22 Jul, 2016, Durban, South Africa.
- **Pierre RB**, Lu Q, Moore JT, **Christie CDC**, Paintsil E. Viremia copy-years over the first 2 years predicts immunologic outcome in a pediatric HIV cohort in Jamaica. Poster and Abstract, 8th International Pediatric HIV Workshop, July, 2016 in Durban, South Africa.
- C.R. Carty, Lambert JS, Sidloyi L, Oprea C, **Pierre R.**, **Christie CDC**, Hansudewchakul R, Watanporn S, Archary M, Machado E, Lago Garcia MD, Avramovic G, Picone M, D'Eredita M. The Passages Project: initial observations from a multi-country investigation into factors that impact transition from adolescent to adult HIV care. Poster and Abstract, 21st International AIDS Conference (AIDS 2016), 18–22 July, 2016, in Durban, South Africa.

- **Christie CD.** “Paediatric Infectious Diseases influencing public policy from USA to Jamaica – Pertussis, rotavirus and eliminating mother to child transmission of HIV/AIDS.” Yale-UWI Global Health Conference April 29 to May 1, 2016. In, *West Indian Medical Journal, Supplement Vol 65 (Suppl 2); 1–41.* WIMJAD. Abstract – page 36.
- **Christie CD.** “Zika virus emerging epidemic in Latin America and the Caribbean – epidemiology, clinical features and preparedness.” Yale-UWI Global Health Conference April 29 to May 1, 2016. In, *West Indian Medical Journal, Supplement Vol 65 (Suppl 2);1-41.* ISSN 0043-3144 WIMJAD. Abstract – page 41.
- **Melbourne Chambers R.** Chikungunya in Jamaica – Public Health Effects and Clinical Features in Children. Yale-UWI Global Health Conference April 29 to May 1, 2016. In, *West Indian Medical Journal, Supplement Vol 65 (Suppl 2);1-41.* WIMJAD. Abstract page.

INCOME GENERATION

Research Grants

Christie CDC – Principal Investigator

- Source: European Commission and Paediatric European Network for Treatment of AIDS (PENTA) Foundation
Title: Addressing the urgent research gaps against the Zika virus and other emerging threats in
Latin America, SC1-PM-22-2016
Grant Period: 2016 to 2021 (five years)
Total Amount: 877, 065. 00
- Source: Minister of Health (October 4, 2012) through National Health Fund (November 15, 2012) for immediate funding, for three years

Department of Child and Adolescent Health

Title: Elimination of Vertical (Mother-to-child) Transmission of HIV/AIDS and Congenital Syphilis in Jamaica,

Grant Period: 2012 to 2015

Total Amount: J\$ 55,448,800

- Source: Minister of Health (July, 2015) through National Health Fund (June, 2016) for immediate funding, for three years (NEW)

Title: Elimination of Vertical (Mother-to-child) Transmission of HIV/AIDS and Congenital Syphilis in Jamaica,

Grant Period: 2015 to 2016

Total Amount: J\$ 25,000,000

- Source: UNICEF & UNAIDS (April, 2015) for immediate funding, for 3 months (NEW)

Title: Elimination of Vertical (Mother-to-child) Transmission of HIV/AIDS and Congenital Syphilis in Jamaica,

Grant Period: 2015 – 2016

Total Amount: US \$ 4,250

Harrison A – Principal Investigator

- Source: UNICEF

Title: Chronic illness in Jamaican Adolescents – A review of asthma, diabetes mellitus, HIV and sickle cell disease

Funds: JAD 4861566.70 (2014-2016)

Pierre RB, Christie CDC. – Co-Principal Investigators

- Source: Funded by ViiV Healthcare in collaboration with Mater Misericordiae University Hospital, the University of the West Indies, Jamaica, and other international sites (South Africa, Brazil, Ireland, United Kingdom, Romania, and Thailand)

Title: “The Passages Project – Mapping Transition, Charting Futures Global Research into Specialty Care and Transition for Adolescents Living with HIV”, from September 1, 2014 to June 26, 2016

Total grant amount to the UWI, US\$ 17,086.95 (€ 15,000.00) [Phase 1]

Pottinger A

- Source: Council of World Missions
Title: Council for World Mission Ecumenical Grant
Total grant amount – J\$5,200,700.00 (2016-2018)

Samms-Vaughan – Principal Investigator

- Source: Inter-American Development Bank
Title: Evaluation of Early Childhood Learning Environments
Grant Period: 14/08/2014-13/08/2016
Funds: US \$1, 000,000.00 (Counterpart funding additional US200, 000.00)
- Source: UNICEF
Title: Validation of Jamaica School Readiness Screening Tools
Grant Period: 25/03/2015-31/08/2015
Funds: J\$ 4,379,076.00
- Source: NIH (RO1 Grant)
Title: Epidemiology of Autism in Jamaica (Collaboration with the University of Texas)
Grant Period: 12/09/2013-30/04/2018
Funds: US \$737,953.00 (Jamaican site)

Thame M. – Principal Investigator

Trotman H – Co-Investigator

- Source: International Atomic Energy Agency (IAEA), Vienna
Title: Infant feeding practices and resultant growth patterns in Jamaican children assessed by anthropometry and body composition
Grant Period: 2012-2016
Funds: 50,000.00

PUBLIC SERVICE

Christie CDC.

- Treasurer, International AIDS Society (IAS)
- Member, Governing Council, Collaborative Initiative for Paediatric Education and Research (CIPHER) and Research Grant Working Group, International AIDS Society
- Chair, “Rethinking the Pharmaceutical Industry Liaison Forum (ILF)” of the IAS
- Fellow, Infectious Diseases Society of America,
- Member, Pediatric Infectious Diseases Society of America
- Founding Member, HIV Medicine Association of America
- Member, International Association of Physicians in HIV/AIDS Care
- Member, International Society for Infectious Diseases
- Director, Jamaica’s National Program for the Elimination of Congenital HIV/AIDS and Syphilis and JaPPAAIDS
- Senior Member, Elimination of Mother to Child Transmission (eMTCT) of HIV and Syphilis, Oversight Committee and its many Subcommittees
- Chair, Clinical Trials Advisory Committee, Faculty of Medical Sciences, UWI Mona
- Member, *West Indian Medical Journal*, Editorial Board
- Chair, Principal’s Research Awards Committee, Faculty of Medical Sciences, UWI
- Chair, Clinical Trials Oversight Committee, UWI – Mona
- Special Project Lead – Collaboration UWI/ Yale University School of Medicine.

Gabay L

- Co-Founder and Medical Director, Camp Yellow Bird for children with diabetes.

Harrison A.

- Chairman, Board of Visitors, Metcalfe Street Secure Juvenile Centre
- Director, Board of Directors, National Family Planning Board
- Executive council, Vice-President Caribbean region – International Association for Adolescent Health
- Member, Adolescent Policy Working group – Ministry of Health, Jamaica
- Member, Steering Committee, ‘All-in project’. Ministry of Health and UNICEF.
- Manuscript Reviewer:
PLOS One
West Indian Medical Journal

Melbourne-Chambers R

- Manuscript Reviewer – *Epilepsy and Behavior Journal*

Miller M

- Founder, Jamaica Kidney Kids Foundation.

Pierre R

- Co-Chairs: Elijah Paintsil, Russell Pierre, Celia DC Christie-Samuels The University of the West Indies, Mona Campus, Jamaica, in collaboration with Yale University, New Haven, CT, USA. GLOBAL HEALTH AND CAPACITY BUILDING CONFERENCE 2016. Theme: Updates on Cancer, Infections and Genetics: From Bench to Clinic. April 29 to May 1, 2016. Faculty of Medical Sciences Teaching and Research Complex. University of the West Indies, Mona Campus
- International AIDS Society IAS Governing Council 2016–2018: Latin America and Caribbean. Representative with effect on 22 July 2016
- Caribbean Association of Medical Councils Examination – Chairman of committee to implement examination on behalf of the Faculty of Medical Sciences: from January 2007
- Negotiated and Initiated Prizes for Final MBBS Students

Department of Child and Adolescent Health

- Guardian Life Jamaica Limited Award for Best Overall Performance in Community Health and Psychiatry
- Medical Protection Society Prize Best Overall Programme Performance
- Sagikor Life Jamaica Limited Award in Paediatrics in Medicine and Therapeutics
- University of Georgia-Augusta University Medical Partnership: Negotiated and facilitated a Memorandum of Understanding (MOU) between UWI, Mona and the University of Georgia (UGA) and the Medical College of Georgia at Augusta University (AU-MCG).

Manuscript reviewer:

- Biomed Central BMC Infectious Disease – Manuscript Reviewer September 2015
- Pediatrics – Manuscript reviewer April 2016
- Abstract reviewer – The 21st International AIDS Conference (AIDS 2016) 18–22 July 2016, Durban, South Africa

Pottinger AM

- Member, Executive Council, International Association for Counsellors, Regional Coordinator (Caribbean)
- Affiliate member, International Federation Red Cross/ Red Crescent Research Network on Mental Health and Psychosocial Support
- Coordinator and Chair of Steering Committee, Church-site Counselling Initiative (CSCI)
- Member, Steering Committee, Child Protection Policy Committee, United Church Jamaica and Cayman Islands

Thame M.

- Member, UHWI representative Medical Review Panel, MOH
- Chair, Caribbean Public Health Agency (CARPHA), Research and Advisory Committee
- One of the lead physicians for the Sick Kids-Caribbean Initiative
- Co-Chair for the research team, Sick Kids-Caribbean Initiative
- Director, Jamaica Kidney Kids Foundation (JKKF)

DEPARTMENT OF COMMUNITY HEALTH & PSYCHIATRY



Professor Affette McCaw-Binns, BA, MPH, PhD
Head of Department

WORK OF THE DEPARTMENT

The Department of Community Health and Psychiatry provides undergraduate and post graduate instruction in public health, family medicine and psychiatry. Clinical services include primary care services delivered at the Hermitage August Town Community Health Centre; and adult, child and adolescent in-patient, outpatient and community mental health services provided by the psychiatric-psychologist team at the University Hospital. Faculty co-authored one book, 31 peer-reviewed papers (3 with students), and 3 technical reports. Journal impact factors (IF) averaged 2.46. Per capita refereed publications fell to 1.19 from 1.93.

Department of Community Health & Psychiatry

Table 1: Undergraduate Courses by Student Enrollment: Department of Community Health & Psychiatry

Undergraduate Courses Taught – 2015–16	UWI, FMS	Other ¹
MDSC 1202: Introduction to Medical Practice	339	
MDSC 1203: Health Care Concepts	329	30 ^a
MDSC 2105: Health & the Environment	304	
MDSC 3104: Health Services Management	337	
MDSC 3200: Understanding Research	337	11 ^b
MDSC 3203: Aspects of Family Medicine	327	8 ^c
MDSC 4002: Year 4 Community Health (Public Health)	263	
MDSC 4011: Year 4 Psychiatry	282	30 ^c
MDSC 5002: Year 5 Community Health (Family Health)	243	13 ^c
FD 12A: Medicine, Health & Technology ²		2536
Clinical experience: Student Nurse-Midwives ³		16

¹BBMedSci (FMS),^a Occupational, Environmental Safety and Health (FST, UWI),^b Spartan/All Saints^c

²Foundation course, UWI undergrads (other faculties) – semesters 1 [n=1173], 2 [n=1261], summer [n=102]

³UWISON, Kingston School of Nursing, Excelsior, University College of the Caribbean, Northern Caribbean University, Victoria Jubilee School of Midwifery

UNDERGRADUATE PROGRAMME

The Department coordinates nine courses in the undergraduate medical/dental curriculum across all five years of the programme (Table 1) and provides clinical experience and other training for students from other UWI faculty and other medical, nursing and midwifery students.

POSTGRADUATE PROGRAMMES

Master of Public Health, MPhil/PhD (Public Health) and Doctorate in Public Health

Postgraduate programmes at the doctoral level include a research-based MPhil/PhD in public health and the doctor of public health (DrPH), an executive mixed methods programme of courses, practical experience and research intended to develop the next generation of public health leaders. The master of public health (MPH) programme delivers a general degree or specialty tracks in gerontology, health education/health promotion or health management.

Diploma and Doctor of Medicine (DM) in Family Medicine and DM in Psychiatry

Clinical training programmes include a DM in psychiatry, while the family medicine programme offers a diploma with the option to continue to the doctor of medicine (DM). Both programmes at Mona are delivered in collaboration with the School of Clinical Medicine and Research, UWI, Bahamas. Annual examinations rotate between the two sites (Table 2 on page 241).

COMMUNITY HEALTH CENTRE & PSYCHIATRY CLINICAL SERVICES

The Community Health Centre (CHC) serves 16 communities in collaboration with the KSAHD. Over 20,000 visits were documented in the last year; 55% for preventive services (family planning, cervical cancer screening, antenatal, postnatal, well-baby care) and 45% for curative services (screening, health promotion, acute, general medical and hypertension-diabetes care and dressings). Other services include community mental health, counselling and social work intervention; disease surveillance; health promotion; and birth and death registration. Psychiatry provides in-patient and out-patient psychiatric services, services for children and adolescents, forensic services, and day treatment for persons with drug dependency.

Department of Community Health & Psychiatry

Table 2: Post graduate students – Community Health and Psychiatry 2015–2016

Categories of students	Number registered 2015–2016	Expected to graduate November 2016
PhD Public Health	8	1
Doctorate of Public Health (DrPH)	32	4
Master of Public Health		
– General	18	9
– Health Education/Health Promotion	14	2
– Health Management ²	13	5
– Gerontology	2	0
Diploma in Public Health⁵		
– Health Management ²	1	1
– Gerontology	1	1
Diploma in Family Medicine (Years 1–2)		
– Bahamas	10	2
– Mona	10	4
DM Family Medicine (Years 3–4)		
– Bahamas	13	6
– Mona	5	3
DM Psychiatry (years 1–4)	13	2
Total post-graduates	140	40

⁴In collaboration with the Mona School of Business

⁵Option for students with prior MPH seeking the added competencies offered in these specialty tracks

⁶August Town, Bedward Gardens, Beverly Hills, Constitution Hill, Elleston Flats, Hermitage, Highlight View, Hope Pastures, Hope Tavern, Kintyre, Landlease, Long Mountain, Mona Commons, Mona Heights, Papine, Stand Pipe Lane; Liguanea

CHC staff lecture and supervise clinical experience for medical students from UWI (Years 1, 3, 4 and 5); Spartan and All Saints Universities; nursing and midwifery students (see Table 1), and postgraduate candidates pursuing their DM (Family Medicine, and Emergency Medicine), MPH and MSc (Counselling Psychology).

DISTINCTIONS, HONOURS, SCHOLARSHIPS AND AWARDS

- **Cunningham-Myrie C.** Principal’s Award, University of the West Indies: Publishing five (5) articles of high quality with impact factors from 2.302–3.790. February 2016. Articles:
 - (i) “WHO/ISH total risk approach for primary prevention of cardiovascular disease shows greater decrease in costs for women but not the elderly in Jamaica”
 - (ii) “Hydroxyurea use in prevention of stroke recurrence in children with sickle cell Disease in a Developing Country: A Cost Effectiveness Analysis”
 - (iii) “Associations between Neighbourhood Effects and Physical Activity, Obesity and Diabetes: The Jamaica Health and Lifestyle Survey 2008”
 - (iv) “Richer but fatter: the unintended consequences of microcredit financing on household health and expenditure in Jamaica”
 - (v) “Impact of a comprehensive sickle cell center on early childhood mortality in a developing country: the Jamaican experience.”
- **Eldemire-Shearer D.** Distinguished Fellow, The Gerontological Society of America, Washington, DC. May 2016.
- **Figuroa JP.** Principal’s Award, University of the West Indies: Best Research Publication (article): Faculty of Medical Sciences. Understanding the high prevalence of HIV and other sexually transmitted infections among socio-economically vulnerable men who have sex with men in Jamaica. February 2016.
- **McCaw-Binns A,** Holder y, Mullings J. Principal’s Award, University of the West Indies: Best Research Publication (article): Faculty of

Medical Sciences. Certification of coroner's cases by pathologists will improve the completeness of death registration in Jamaica. February 2016.

PUBLICATIONS

Faculty co-authored 31 refereed journal articles; one book, seven technical reports, three published abstracts, and made 25 other presentations at scientific and technical meetings. The refereed papers included three where students were lead authors. The per capita output fell from 1.93 to 1.19 (community health: 1.56 [n=28], psychiatry: 0.38 [n=3]). The journals had a range of impact factors (IF) from unrated (0.0) to 19.97; with a mean of 2.46 (community health, 2.56; psychiatry, 1.54). Two of three faculty (65%), 15/18 (83%) in community health and 2/8 (25%) in psychiatry, co-authored papers during the review period.

BOOKS AND MONOGRAPHS

- Berg C, Camacho-Hübner AV, Danel I, Karolinski A, **McCaw-Binns A**, Romero M for the Regional Taskforce for Maternal Mortality Reduction. "Guidelines for maternal death surveillance and response (MDSR): Region of the Americas." Regional Taskforce for Maternal Mortality Reduction. <http://www.gtrvidasmaternas.org>. September 2015.

REFEREED JOURNAL ARTICLES

Community Health

- Aiken WD, Jones KS, Ragin C, **James K**. "Rural-urban differences in the clinico-pathologic profiles of Jamaican men with prostate cancer." *Infectious Agents and Cancer*. 2015 Sep 28;10:32. doi: 10.1186/s13027-015-0023-z. eCollection 2015. [IF: 1.718]
- Andreucci CB, Bussadori JC, Pacagnella RC, Chou D, Filippi V, Say L, Cecatti JG; Brazilian COMMAG Study Group; WHO Maternal Morbidity Working Group [**McCaw-Binns A**]. "Sexual

life and dysfunction after maternal morbidity: a systematic review.” *BMC Pregnancy Childbirth*. 2015 Nov 23; 15:307. [IF, 3.08].

- **Bailey A, Figueroa JP.** “A framework for sexual decision-making among female sex workers in Jamaica.” *Archives of Sexual Behavior* 2016 May; 45(4):911-21. [IF, 2.704].
- Bergeron TS, Roberge S, Carpentier C, Sibai B, **McCaw-Binns A**, Bujold E. “Prevention of Preeclampsia with Aspirin in Multiple Gestations: A Systematic Review and Meta-analysis.” *American Journal of Perinatology* 2016 May; 33(6):605-10. [IF, 1.677]
- Campbell N, Johnson J, **Scarlett H**, Thompson S. “Characteristics of noncompliant food handling establishments and factors that inhibit compliance in a Regional Health Authority, Jamaica.” *Journal of Environmental Health* 2015 Sep; 78(2):20-6. [IF, 0.48]
- Chou D, Tunçalp Ö, Firoz T, Barreix M, Filippi V, von Dadelszen P, van den Broek N, Cecatti JG, Say L; Maternal Morbidity Working Group [**McCaw-Binns A**]. “Constructing maternal morbidity - towards a standard tool to measure and monitor maternal health beyond mortality.” *BMC Pregnancy Childbirth* 2016 Mar 2; 16:45. [IF, 3.08].
- Chou D, Daelmans B, Jolivet RR, Kinney M, Say L; Every Newborn Action Plan (ENAP) and Ending Preventable Maternal Mortality (EPMM) working groups [**McCaw-Binns A**]. “Ending preventable maternal and newborn mortality and stillbirths.” *British Medical Journal* 2015 Sep 14; 351:h4255. [IF, 19.967]
- Chukwu JN, Ukwaja KN, Ekeke N, Nwafor CC, Meka AO, Madichie NO, Anyim MC, Ogbudebe C, Adegbesan J, Ikebudu J, **Oshi DC**. “Assessment of current practices in management of childhood TB among frontline clinicians in Southern Nigeria.” *International Health*. 2016 May 10. pii: ihw024. [IF, 1.507]
- Collins-Fairclough AM, Dennis AM, Nelson JA, Weir SS, **Figueroa JP**. “HIV drug resistance surveillance among Jamaican men who have sex with men should be prioritized for reducing HIV Transmission.” *AIDS Research and Human Retroviruses* 2015 Aug; 31(8):841-4. [IF, 2.325]

- Ferguson TS, Younger-Coleman NO, Tulloch-Reid MK, Knight-Madden JM, Bennett NR, Samms-Vaughan M, Ashley D, **McCaw-Binns A**, Molaodi OR, Cruickshank JK, Harding S, Wilks RJ. “Birth weight and maternal socioeconomic circumstances were inversely related to systolic blood pressure among Afro-Caribbean young adults.” *Journal of Clinical Epidemiology* 2015 Sep; 68(9): 1002-9. [IF, 4.703]
- **Harris MA**, Younger-Coleman N, Ferguson TS, **Figueroa JP**. “Audit and Feedback to improve the management of dyslipidemia in primary care in Jamaica; A randomized controlled trial.” *Global Journal of Medicine and Public Health* 2016; 5 (1) 1–9. www.gjmedph.org [IF, 0.711]
- Johnson P, Jaggon JR, Campbell J, Bruce C, Ferron-Boothe D, **James K**, Crandon I, **Eldemire-Shearer D**. “Profile of a Malignant Brain Tumour in Jamaica: An Eight-year Review, 2005 to 2012.” *West Indian Medical Journal* 2015 Sep; 64(4):372-5. doi: 10.7727/wimj.2014.094. Epub 2015 May 22. [IF, 0.26]
- Micha R, Khatibzadeh S, Shi P, Andrews KG, Engell RE, Mozaffarian D; Global Burden of Diseases Nutrition and Chronic Diseases Expert Group (NutriCoDE) [**Jackson MD**]. “Global, regional and national consumption of major food groups in 1990 and 2010: a systematic analysis including 266 country-specific nutrition surveys worldwide.” *BMJ Open*. 2015 Sep 24; 5(9):e008705. [IF, 2.27]
- **Mitchell-Fearon K**, **Willie-Tyndale D**, Waldron N, **Holder-Neivins D**, **James K**, **Laws H**, **Eldemire-Shearer D**. “Cardio-Vascular Disease and Cancer: A Dichotomy in Utilization of Clinical Preventive Services by Older Adults in a Developing Country.” *Gerontology and Geriatric Medicine* Nov. 2015. [IF, 0.00]
- Onyeonoro UU, Chukwu JN, Nwafor CC, Meka AO, Omotowo BI, Madichie NO, Ogbudebe C, Ikebudu JN, **Oshi DC**, Ekeke N, Paul NI, Duru CB. “Evaluation of Patient Satisfaction with Tuberculosis Services in Southern Nigeria.” *Health Service Insights* 2015 Oct 13;8:25-33. eCollection 2015. [IF, 1.21]
- **Oshi DC**, Chukwu JN, Nwafor CC, Meka AO, Madichie NO,

Ogbudebe CL, Onyeonoro UU, Ikebudu JN, Ekeke N, Anyim MC, Ukwaja KN, Aguwa EN. “Does intensified case finding increase tuberculosis case notification among children in resource-poor settings? A report from Nigeria.” *International Journal of Mycobacteriology* 2016 March; 5(1):44–50. [IF, 0.00]

- **Oshi DC**, Oshi SN, Alobu IN, Ukwaja KN. “Gender-Related Factors Influencing Women's Health Seeking for Tuberculosis Care in Ebonyi State, Nigeria.” *Journal of Biosocial Science* 2016 Jan; 48(1):37–50. [IF, 1.08]
- Roberge S, Sibai B, **McCaw-Binns A**, Bujold E. “Low-Dose Aspirin in Early Gestation for Prevention of Preeclampsia and Small-for-Gestational-Age Neonates: Meta-analysis of Large Randomized Trials.” *American Journal of Perinatology* 2016 Jul; 33(8):781–5. [IF, 3.42]
- Say L, Barreix M, Chou D, Tunçalp Ö, Cottler S, **McCaw-Binns A**, Gichuhi GN, Taalo F, Hindin M. “Maternal morbidity measurement tool pilot: study protocol.” *Reproductive Health* 2016 Jun 9; 13(1):69. [IF, 2.035]
- Shivappa N, **Jackson MD**, Bennett F, Hébert JR. “Increased dietary inflammatory index (DII) is associated with increased risk of prostate cancer in Jamaican men.” *Nutrition and Cancer*. 2015; 67(6):941-8. [IF, 4.472]
- Singh GM, Micha R, Khatibzadeh S, Shi P, Lim S, Andrews KG, Engell RE, Ezzati M, Mozaffarian D; Global Burden of Diseases Nutrition and Chronic Diseases Expert Group (NutriCoDE) [**Jackson MD**]. “Global, Regional, and National Consumption of Sugar-Sweetened Beverages, Fruit Juices, and Milk: A Systematic Assessment of Beverage Intake in 187 Countries.” *PLoS One*. 2015 Aug 5; 10(8): e0124845. [IF, 3.23]
- Ukwaja KN, Meka AO, Chukwuka A, Asiedu KB, Huber KL, Eddyani M, Chukwu JN, Anyim MC, Nwafor CC, **Oshi DC**, Madichie NO, Ekeke N, Njoku M, Ntana K. “Buruli ulcer in Nigeria: results of a pilot case study in three rural districts.” *Infectious Diseases of Poverty* 2016 Apr 22; 5:39. [IF, 4.11]

- Ukwaja KN, Oshi SN, Alobu I, **Oshi DC**. “Profile and determinants of unsuccessful tuberculosis outcome in rural Nigeria: Implications for tuberculosis control.” *World Journal of Methodology* 2016 Mar 26;6(1):118-25. doi: 10.5662/wjm.v6.i1.118. eCollection 2016 Mar 26. [IF, 0.00]
- Wang Q, Afshin A, Yakoob MY, Singh GM, Rehm CD, Khatibzadeh S, Micha R, Global Burden of Diseases Nutrition and Chronic Diseases Expert Group (NutriCoDE) [**Jackson MD**]. “Impact of Non-optimal Intakes of Saturated, Polyunsaturated, and Trans Fat on Global Burdens of Coronary Heart Disease.” *Journal of the American Heart Association* 2016 Jan 20;5(1). pii: e002891. [IF, 4.31]
- Willie-Tyndale D, **Holder-Neveins D, Mitchell-Fearon K, James K, Laws H, Waldron NK, Eldemire-Shearer D**. “Participation in Social Activities and the Association with Socio-Demographic and Health-Related Factors among Community-Dwelling Older Adults in Jamaica.” *Journal of Cross-Cultural Gerontology* 30 July 2016 (online first) pp 1-21. DOI: 10.1007/s10823-016-9297-x. [IF, 0.00]

Student Led

- Asemota O, **Eldemire-Shearer D, Waldron N, Standard Goldson A**. “Prevalence of Self-reported Urinary Incontinence in Community-dwelling Older Adults of Westmoreland, Jamaica.” *Medical Education Cooperation with Cuba (MEDICC) Review*, January–April 2016; 18 (1–2):41-45. [IF, 0.037]
- Bhatt-Poulose K, **James K, Reid M, Harrison A, Asnani M**. “Increased Rates of Body Dissatisfaction, Depressive Symptoms, and Suicide Attempts in Jamaican Teens with Sickle Cell Disease.” *Pediatric Blood and Cancer* 2016 Jul 9. doi: 10.1002/pbc.26091. [IF, 2.634] [Epub ahead of print]
- Fray-Aiken CM, Wilks RJ, Abdulkadri AO, **McCaw-Binns AM**. “Cost of Care of Chronic Non-Communicable Diseases in Jamaican Patients: The Role of Obesity.” *Farmeconomia. Health economics and therapeutic pathways* 2016; 17(2): 81–95. <http://dx.doi.org/10.7175/fe.v17i1.1232> [IF: 0.0]

Psychiatry

- Ceïde ME, Williams NJ, Seixas A, Longman-Mills SK, Jean-Louis G. “Obstructive sleep apnea risk and psychological health among non-Hispanic blacks in the Metabolic Syndrome Outcome (MetSO) cohort study.” *Annals of Medicine* 2015; 47(8):687-93. [IF, 3.763]
- Gibson RC, Walcott G. “Are primary care physicians equipped to help persons with depression? An exploration of knowledge, attitude and practices in Kingston, Jamaica.” *West Indian Medical Journal* 2016; Epub, doi: 10.7727/wimj.2016.189. [IF, 0.186]
- Gibson RC, Roopchand-Martin S, Mason G. “The effect of an XBOX Kinect dance intervention on the affect of sedentary university students.” *West Indian Medical Journal* 2015. Epub, doi: 10.7727/wimj.2015.510. [IF, 0.186]

TECHNICAL REPORTS

- Cunningham-Myrie C, Royal-Thomas T, Reid M. “Assessing Use of the Papine Park in St. Andrew, Jamaica using The System for Observing Play and Recreation in Communities (SOPARC): Baseline study, Papine University Town project.” Dec 2015 (32 pages).
- Cunningham-Myrie C. “Situation Analysis: Foodborne Disease Surveillance in Trinidad and Tobago.” PAHO/WHO, February 2016 (78 pages).
- Cunningham-Myrie C, Royal-Thomas T, Reid M. “Assessing Use of the Emancipation Park in St. Andrew, Jamaica using The System for Observing Play and Recreation in Communities (SOPARC).” May 2016 (42 pages).
- Eldemire-Shearer E. “Multi-sectorial Action for a Life Course Approach to Healthy Ageing: Draft’ Global Strategy, Plan of Action on Ageing and Health Brief.” Prepared for the Ministry of Health Jamaica, for Agenda Item 13.4 (69th World Health Assembly, 23–28 May 2016, Geneva, Switzerland)
- Harris MA and the Family Health Unit, Ministry of Health, Jamaica. Documentation and re-verification of Measles, Rubella and Congenital

- Rubella Syndrome Elimination in Jamaica. Ministry of Health, Jamaica. May 2016 (83 pages).
- **Harris MA.** Management of dyslipidemia and other cardiovascular disease risk factors in primary care clinics in the South East Regional Health Authority (SERHA). Kingston & St Andrew, Jamaica. November 2015 (49 pages).
 - **Jackson MD.** Situation Analysis of Eye Care Services in Jamaica. Pan American Health Organization/Ministry of Health. December 2015. (27 pages)

PUBLISHED ABSTRACTS AND POSTERS

- **McCaw-Binns A.** Maternal mortality: a complex problem requiring collaborative solutions – Jamaican case study. Special session: *Epidemiology Across the Americas: Bringing Together Latin American, Caribbean and North American Epidemiologists*. American Public Health Association Meeting, Chicago; October 31–November 2, 2015.

Student Led

- Shury A, **Harris MA.** “Risk factors for postpartum depression among women attending postnatal clinics in Kingston, Jamaica.” *West Indian Medical Journal* 2016; 65 (Suppl.3): 25 (Oral presentation). CARPHA Research meeting Providenciales, Turks and Caicos Islands, June 23–25, 2016.
- Gardiner A, **Bailey A.** “Barriers to parent-teen communication regarding sex.” *West Indian Medical Journal* 2016; 65 (Suppl.3): (Oral presentation). CARPHA Research meeting, Providenciales, Turks and Caicos Islands, June 23–25, 2016.

OTHER PRESENTATIONS

- **Campbell N.** The Imminent Occupational Safety and Health legislation: Implications for Employers? Jamaica Employers Federation Forum, Kingston, Jamaica; Sept 16, 2015.

- **Campbell N.** Occupational Safety and Health of Public Health Inspectors: Is There Cause for Concern? Jamaica Association of Public Health Inspectors' Annual Conference and Exhibition, Grand Palladium Hotel, Hanover, Jamaica; October 27–29, 2015.
- **Campbell N.** Key considerations in organising an effective OSH Programme. Human Employment and Resource Training Trust/National Training Agency (HEART/NTA), Kingston, Jamaica; July 28, 2016.
- **Eldemire-Shearer D.** “Aging and Wellness in support of our work with women of all ages and stages in the different seasons of their lives.” Jamaica Baptist Women’s Federation; February 26, 2016.
- **Eldemire-Shearer D.** “Retirement! A New Beginning.” Lifestyle Statistical Institute of Jamaica (STATIN) Planning Retirement Seminar, Kingston, Jamaica; March 29, 2016.
- **Eldemire-Shearer D.** “Ageing Successfully, Senior Citizens’ Talk.” Meadowbrook-Havendale Senior Citizens Border Ave Community Centre, Kingston; April 28, 2016.
- **Eldemire-Shearer D.** “Older Persons In Jamaica: What Health Professionals Need to Know?” Medical Association of Jamaica Conference, Jamaica Pegasus Hotel; June 2, 2016.
- **Eldemire-Shearer D.** “What Do Over 50 Years Olds Need and Why.” Pharmaton Supplementation in the over-50 Brand launch, Knutsford Court Hotel; June 16, 2016.
- **Eldemire-Shearer D.** “Ageing: Developing Teaching Programme, UWI Jamaica.” 68th Annual Scientific Meeting, the Gerontological Society of America, Orlando, Florida, U.S.A.; 18–22 Nov 2015.
- **Eldemire-Shearer D.** “Health and Wellness: The Changing Role For/Of Higher Education Administrators.” The Association of Caribbean Higher Education Administrators 15th Annual Conference on “Higher Education Vulnerabilities: A Caribbean Response.” Jewel Runaway Bay Beach and Golf Resort – St. Ann, Jamaica; July 7–9, 2016 (103 pages).
- **Harris A.** The evaluation of the 2007 CARICOM Port of Spain NCD Declaration. The Jamaican Case Study. Workshop for NGO

Stakeholders. Marriott Hotel, Kingston Jamaica. June 28, 2016.

- **McCaw-Binns A.** “The Collaborative Monitoring Tool for Maternal and Perinatal Mortality Surveillance: Baseline Findings.” Joint Meeting -Regional Task Force on Maternal Mortality Reduction and the Neonatal Alliance. Panamá City, Panamá; November 30–December 2, 2015.
- **Mitchell-Fearon K.** The Economic Burden of Hypertension amongst Older Adults: Can we afford this Bill? Annual Research Conference, Ministry of Health, Jamaica, November 2015.
- **Scarlett HP.** Zika Virus Preparation in Jamaica: What’s happening in seven parishes? Jamaica Association of Public Health Inspectors’ (JAPHI) Annual Educational Conference and Exhibition, Grand Palladium Lady Hamilton Resort, Hanover, October 28, 2015.
- **Scarlett HP.** Air pollution and respiratory illnesses: Should we be concerned in Jamaica? CARIMED/Pharmaceutical Society of Jamaica Continuing Educational Seminar, Jamaica Pegasus Hotel, Kingston, November 1, 2015.
- **Scarlett HP.** Preventing Zika Virus Infection. Mona Commons Community meeting, St. Andrew, January 27, 2016.
- **Scarlett HP.** Preventing Zika Virus Infection. UTech student group meeting, UTech, Old Hope Road, Kingston, March 10, 2016.
- **Scarlett HP.** Preventing Zika Virus Infection. Greater August Town Basic School Principal’s Association Annual Parenting Seminar, New Testament Church of God, Escarpment Road, Hermitage, St. Andrew, March 16, 2016.
- **Scarlett HP.** Environmental Risk Assessment. JAPHI/NERHA Public Health Inspectors Training Seminar, Annotto Bay Hospital, St. Mary, April 13, 2016.
- **Scarlett HP.** Occupational safety and health: Benefits for workers and management. (Special Guest Speaker) HEART/NTA Annual Workplace Health and Safety Awards Ceremony, Cardiff Hotel and Spa, Runaway Bay, St. Ann, April 27, 2016.
- **Smith K.** “Evidenced-Based Obesity Management-How do we

compare?” World Family Doctor Day Conference, Terra Nova, Kingston, Jamaica; May 15, 2016.

- **Standard-Goldson A.** “The Family Physician and Risk Factor Reduction in Hypertension.” World Family Doctor Day Conference, Terra Nova, Kingston, Jamaica; May 15, 2016.

INCOME GENERATION

Eldemire-Shearer D. NHF Phase 2: Study to Determine Types of Dementia. Funding: National Health Fund (Ja. \$6 million).

PUBLIC SERVICE

Faculty sit on technical, advisory and global expert groups for government, non-governmental and international organizations in cancer epidemiology, gerontology, HIV/AIDs, mental health, reproductive health and vaccine surveillance. Some hold leadership positions in professional organizations and serve as peer reviewers for international academic journals.

Professor Wendel Abel

- Member Expert Panel, Strategic and Regional Action Plan for Mental Health (PAHO)
- Member, Advisory Committee, Training and Certification Program for Drug and Violence Prevention, Treatment, and Rehabilitation (PROCCER; OAS)
- Chair, National Council on Drug Abuse
- Co-Chair, CARICOM, Commission for the Decriminalization of Marijuana
- Member, Cannabis Licensing Authority
- Peer Reviewer, Ethnicity and Inequalities in Health and Social Care; *West Indian Medical Journal*

Mrs Althea Bailey

- Chair, The Jamaica Red Cross Adolescents at Risk Advisory Committee

Department of Community Health & Psychiatry

- Board Member, Jamaica AIDS Support for Life
- Member, Integrated Youth services; Ministry of Health National HIV Programme Technical Working Group

Mr. Norbert Campbell

- Technical Advisor on Climate Change, National Environmental Health Association, USA
- Council Member, International Federation of Environmental Health
- Honorary Treasurer, Jamaica Occupational Health and Safety Professionals Association (JOHSPA)
- Secretary, International Planning Committee: JAPHI/IFEH International Environmental Conference and Council meeting, October 22-26, 2017, Montego Bay, Jamaica
- Member, American Conference of Governmental Industrial Hygienists (ACGIH); National Environmental Health Association, USA; National Oversight Committee, Ministry of Health Wastewater Systems Evaluation Project
- Executive Council Member & Chairman, International Relations Committee: Jamaica Association of Public Health Inspectors

Dr Colette Cunningham-Myrie

- Member, Medical Association of Jamaica; Caribbean College of Family Physicians (Jamaica); Essential National Health Research Committee, Ministry of Health, Jamaica
- Volunteer, Diabetes Association of Jamaica
- Peer Reviewer, *BMC Public Health*; *International Journal of Diabetes in Developing Countries*; *West Indian Medical Journal*

Professor Denise Eldemire-Shearer

- Patron, National Council for Senior Citizens
- Chairman, Caribbean Community of Retired Persons

- Member, Sub-committee, Homeless & Mental Health, Ministry of Health Homeless Task Force
- Board Member, University Hospital of the West Indies
- Member, Central Health Committee, Ministry of Health; 10 Year Strategic Health Plan Committee, Ministry of Health; Medical Association of Jamaica
- Editorial Board Member, *West Indian Medical Journal*

Professor John Peter Figueroa

- Chair, PAHO Technical Advisory Group (TAG) on vaccine preventable diseases; Caribbean Expanded Program of Immunization (EPI) managers' meeting; Caribbean Sub-Regional Certification Committee for the Global Eradication of Poliomyelitis
- Co-Chair, PAHO Technical Advisory Committee on Viral Hepatitis (TAVH)
- Member, WHO Strategic Advisory Group of Experts (SAGE) working group on Poliomyelitis; WHO SAGE working group on Measles/Rubella; WHO International Health Regulations Roster of Experts (Poliomyelitis); UNAIDS Scientific Expert Panel; PAHO Technical Advisory Committee (TAC) on HIV/STI; PANCAP Priority Areas Coordinating Committee (PACC); Caribbean Sub-Regional Commission for the Documentation and Verification of Measles, Rubella and CRS Elimination
- Director, Epidemiology Research and Training Unit, Kingston, Jamaica
- Member, Task Force on Mental Health and Homelessness, Ministry of Health
- Member, Editorial Advisory Board, Global Journal of Medicine and Public Health; *West Indian Medical Journal*
- Peer Reviewer, Various international journals including *West Indian Medical Journal*

Dr Roger Gibson

- Member, Conflict Management & Resolution Section, World Psychiatric Association; Jamaica Psychiatric Association; Medical Association of Jamaica
- Academic Editor, *Medicine*[®] (Wolters Kluwer/ Lippincott, Williams & Wilkins)
- Editorial Board Member, *Clinical Medicine Insights: Case Reports* (Libertas Academica)
- Peer Reviewer, *Psychology, Health & Medicine*; *West Indian Medical Journal*

Dr Michelle Harris

- Team leader, Port of Spain Declaration Evaluation Working Group
- Member, Pan University Network for Global Health – Non-communicable diseases
- Member, Medical Association of Jamaica

Ms Joy Harrison

- Member, Inter-American Drug Abuse Control Commission (CICAD) and Centre for Addiction and Mental Health (CAMH); Jamaica Association of Social Workers (JASW); the Association of Caribbean Social Work Educators (ACSWE)

Dr Desmalee Holder-Nevins

- Executive Board Member, North Jamaica Conference of Seventh Day Adventists
- Member, International Union of Health Promotion and Education (IUHPE); Jamaica Association for Health Education and Promotion (JAHEP); Ministry of Health Research Group – Qualitative needs assessment Chikungunya & Ebola

Professor Maria Jackson

- Corresponding member, Global Burden of Disease (GBD) Project; WHO, Gates Foundation and World Bank: Nutrition Expert Group
- Member, African-Caribbean Cancer Consortium (AC3) Research Review Committee; American Association for Cancer Research; American Society of Nutrition; Minorities in Cancer Research
- Board member, St Richard Early Childhood Education Institution
- Editorial Board Member, *Ethnicity and Health*
- Peer Reviewer, *Nutrition and Cancer*; *Nutrition Journal*; *Public Health Nutrition*

Dr Hazel Laws

- Member, Caribbean College of Family Physicians; Medical Association of Jamaica

Dr Samantha Longman-Mills

- Member, Research Committee, CICAD-CAMH International Research Capacity Building Program Alumni Association
- Executive Committee Member and Director of Advocacy, Jamaican Psychological Society

Dr Gillian Lowe

- Member, Jamaica Psychiatric Association, Medical Association of Jamaica, Paediatric Association of Jamaica; The Rotary Club of Kingston

Dr Kerriann Mahlee

- Member, Medical Association of Jamaica, American College for Advancement in Medicine, British Medical Acupuncture Society, Faculty of Homeopathy, General Medical Council
- Volunteer, Food for the Poor, Salvation Army

Professor Affette McCaw-Binns

- Member, World Health Organization, Maternal Morbidity Working Group and Ending Preventable Maternal Mortality Working Group
- Member, National Maternal Mortality Surveillance Committee, Ministry of Health
- Member, American Public Health Association
- Peer Reviewer, *BMC Pregnancy and Childbirth*; *BMC Health Services Research*; *International Journal of Gynecology and Obstetrics*; *West Indian Medical Journal*

Dr Kathryn Mitchell-Fearon

- Member, International Consortium on Healthcare Management (PAHO, International Hospital Federation, American College of Health Care Executives);
- Peer Reviewer, *Journal of Clinical Gerontology*; *Journal of Gerontology and Geriatric Medicine*

Dr Daniel Oshi

- Member, American Society of Tropical Medicine and Hygiene; Association of Reproductive Health Professionals, USA; International Sociological Association; International AIDS Society; Nigerian Medical Association
- Peer Reviewer, *Journal of Biosocial Science*; *GERMS Journal*.

Dr Tana Ricketts-Roomes

- Clinical Coordinator, Caribbean Association of Medical Councils (CAMC) Examination
- Member, Caribbean College of Family Physicians; Association of General Practitioners; Medical Association of Jamaica
- Volunteer, Hanover Street Baptist Church Outreach Programme

Dr Henroy Scarlett

- Acting Chairman of the America's Group, International Federation of Environmental Health (IFEH)
- Chair, International Planning Committee: JAPHI/IFEH International Environmental Conference and Council meeting, October 22–26, 2017, Montego Bay, Jamaica
- President, Jamaica Occupational Health Professionals Association.
- Treasurer, Jamaica Association of Public Health Inspectors (JAPHI)
- Member, National Environmental Health Association, USA; National Oversight Committee, Ministry of Health Wastewater Systems Evaluation Project

Dr Kristen Smith

- Treasurer, Caribbean College of Family Physicians
- Member, Medical Association of Jamaica

Dr Aileen Standard Goldson

- 3rd Vice President, Caribbean College of Family Physicians Regional Board
- Executive Member, University of the West Indies Alumni Association, Jamaica
- Member, Caribbean College of Family Physicians; Association of General Practitioners of Jamaica; Medical Association of Jamaica

Note

Activities of Professor Denise Eldemire-Shearer have also been included under the Mona Ageing and Wellness Centre.

DEPARTMENT OF MEDICINE



Professor Michael Gibson Lee, MB.BS UWI, DM
(Internal Medicine) *UWI*, FRCP(C), FACP, FACG, FRCP *Edin*
Head of Department

WORK OF THE DEPARTMENT

The Department of Medicine in its mission of excellence in teaching, engaging in research which is relevant, providing service and outreach during the period August 1, 2015 to July 31, 2016 continues to be faced with challenges. The main challenge the Department faced was the limited budget allocation which is grossly inadequate for funding its normal activities. In fact, the allocated budget was spent after seven months. A realistic budget was submitted for consideration for the 2016/2017 budget cycle. The increased number of undergraduate students and the inadequate resources at the University Hospital of the West Indies (UHWI) also posed significant challenges.

TEACHING

Undergraduate

The increasing number of undergraduate students in the flagship MBBS program over the past five years continue to be a major challenge for the Department. In addition, the Department has been accepting an increasing number of elective students especially from the off-shore medical schools in the Caribbean. The UHWI, which is the main teaching facility for clinical teaching has limited space and facilities and limited patient numbers. Also, there continues to be a significant shortage of resources at the UHWI which is causing major challenges for patient care. There is chronic shortage of most medications and a lack of maintenance and no replacement for outdated or non-functional equipment used for patient care, teaching and research. These problems adversely affect both undergraduate and post-graduate teaching and learning. The Full-time Lecturers and Associate Lecturers have managed the problems associated with the increased number of students in all clinical clerkships with difficulty. The increased Internal Medicine patient load at the UHWI as well as at other institutions have created major problems with resources and inadequate staffing.

The clinical students were assigned mainly to the UHWI, which includes all of the second year IMP students. The 3rd year clinical students were divided between the Kingston Public Hospital (KPH) (one-third) and the UHWI (two-thirds). For the 5th year students in addition to UHWI, students were assigned to the peripheral teaching hospitals including; KPH, the Cornwall Regional Hospital, the Mandeville Regional Hospital, the May Pen Hospital, the Spanish Town Hospital and recently the St. Ann's Bay Hospital. Problems with inadequate staffing, especially Associate Lecturers and residents, pose a challenge at all sites. The Associate Lecturers at the peripheral institutions continue to do an excellent job in teaching and supervising the students and feedback from the students at the peripheral teaching sites remains good. There is a need for more Associates to be appointed due to the increased number of students and the increased patient load in Internal Medicine which leaves inadequate time for teaching.

Department of Medicine

The teaching of the clinical clerkships in the Department of Medicine consists mainly of small group interactive teachings with an emphasis on patient management and problem oriented learning. These include ward rounds, patient based and problem oriented teaching and learning activities. In addition to the small group bedside teaching there are scheduled teachings to students at the different hospital sites on a daily basis. The topics for the daily teachings have been standardized and harmonized for the third year students.

The Introduction to Medical Practice (IMP 2) had a class size of over 320 students. There were problems with adequate space and staffing for the small group teaching activities. Also there were problems with a few of the scheduled lectures.

The increased number of students over the past year doing the clinical examination created significant challenges with the need for an increased time to complete the clinical examination process and the increased personnel needed with an increase in expenditure. The delayed payment for services supplied for the examination created dissatisfaction among the service providers with one main provider withdrawing his service for the examination this year.

The main May/June (2016) MBBS final examination was conducted successfully and of the 221 students taking the Medicine examination, 16 (7%) failed with 9 obtaining Honors. A Mona student obtained the Medicine subject medal, having performed the best in the examination across all campuses.

Postgraduate

The DM postgraduate programme in Medicine continues to train specialists in Internal Medicine for Jamaica and the Caribbean for over forty years without specific funding for the programme. The success of the programme has been dependent on the commitment of the staff to training postgraduate students.

The research project in the third elective year has been beneficial but there are challenges in the write up on schedule, as the completed project

must be submitted six months prior to sitting the final exit exam. Candidates are required to have six monthly assessments for their registration at the start of each semester. The candidates are assessed monthly by their supervisor and there is a clinical assessment twice yearly.

With the increasing number of undergraduate students and graduates in the MBBS programme over the past 6 years there is an urgent need to increase the number of DM posts in the Internal Medicine programme but the UHWI is presently unable to implement this increase due to financial constraint. The DM students are employed by the UHWI but the number of positions are limited and are inadequate to cover the increased patient workload in Medicine. Also, Government sponsored postgraduate students have diminished over the past two years. A major challenge for the DM graduate students is the significant increase in the number of emergency referrals on a daily basis at the UHWI. The number of emergency patients and the lack of resources to manage these patients are major problems that need urgent attention as this situation is adversely affecting teaching and learning by both undergraduate and graduate students.

There is a need to train subspecialists in Medicine and the department was able to start Fellowship subspecialty training as qualified applicants become available in several areas. Nephrology and Infectious Disease Fellowship training started several years ago. Approval has been obtained to start training in Cardiology, and Gastroenterology. However, proper training for Cardiology and Gastroenterology will require the provision of appropriate diagnostic equipment which has been grossly inadequate for several years for routine use at the UHWI.

RESEARCH

Expansion of research in the Department remains a priority. All members are encouraged and expected to do research and publish. The number of research projects and grants have increased but the research output has been variable. There is an urgent need to fill the position of a research

lecturer as the position is vacant due to leave of absence/resignation taken by the former lecturer.

CONTINUING MEDICAL EDUCATION

- The Department of Medicine is committed to offering continuing medical education to all physicians in Jamaica.
- The Department was involved with the Nephrology conference in January 2016. The guest lecturer was Professor Frank Brosius, University of Michigan who spoke on diabetic nephropathy and hypertension control.
- The Department hosted a successful Cardiology week highlighted by a Cardiology Symposium in February 2016. The theme was arrhythmia. The visiting lecturer Dr. Francesco Santoni-Rugiu from Columbia University, and Director, Arrhythmia Institute, St Luke's/Roosevelt Hospital, New York, New York gave the keynote address on "Therapeutic interventions in atrial flutter".
- The Department, in collaboration with the Association of Consultant Physicians of Jamaica, presented an Ethics symposium in February 2016. Dr. Derrick Aarons gave the keynote lecture.
- The Department had two distinguished Lectures presented by, a) Professor Dale Abel, University of Iowa, in September 2015 who spoke on Advances in Cardiovascular disease and Diabetes Mellitus and b) Professor Kennedy Cruickshank, Kings College University, in March 2016 who spoke on "Adventures in Caribbean (Cardiovascular) Medicine abroad".
- The Department collaborated jointly with the Department of Child and Adolescent Health to host a symposium on the treatment of Type 1 diabetes mellitus in April 2016 with speakers from the International Diabetes Federation Life for a child programme, Dr. Debra Cohen and Angie Middlehurst.
- The annual summer review, at which staff members give a presentation in their field of expertise, was held in July 2016 and was successful with good attendance from students, residents, general practitioners and nurses.

INTERNATIONAL COLLABORATION

The Department has been in collaboration with the University of Toronto for Fellowship training in Cardiology. Several post-DM Fellows have been trained and others are in training. All trained Fellows have returned to the Caribbean.

There is continuing collaboration with the University of South Carolina for Fellowship training in Infectious Disease. Fellows have spent two months each year of training at the University of South Carolina in clinical training.

OUTREACH

The Department was active in several outreach projects. The Nephrology staff has established renal clinics at the Mandeville Regional and St Ann's Bay Hospitals. The department was instrumental in establishing the renal dialysis unit at the Mandeville Regional Hospital and staff members continue to service the clinic and dialysis unit.

The Department has continued assistance with the Gastrointestinal Service at the Spanish Town Hospital. Gastroenterologists from the department held weekly consultations and procedure lists at Spanish Town Hospital. However, the equipment at the Spanish Town Hospital has been non-functional and awaiting repair.

A staff Cardiologist from the department has a monthly Cardiology clinic at the St. Ann's Bay Hospital. The cardiology week activities in February, 2016, involved a talk by a staff member to employees at a major private corporation, a public wellness clinic, Health Fair and talks to patients.

The staff at CHARES participate in several outreach projects including testing, and counselling at different public events and monitor individuals with HIV infection in homeless people in Kingston.

Several members of staff are resource personnel on government and non-governmental organizations concerned with public health and charity. Other members of staff sit on various boards.

VISITORS TO THE DEPARTMENT

- Professor Dale Abel, University of Iowa, in September 2015 gave the Rolf Richards distinguished Lecture.
- Professor Frank Brosius, University of Michigan was guest lecturer at the Nephrology conference in January 2016.
- Dr. Francesco Santoni-Rugiu, Columbia University, was guest lecturer at the Cardiology conference February 2016.
- Dr. Derrick Aarons, CARPHA, was guest lecturer at the Ethics conference February 2016.
- Professor Kennedy Cruickshank, Kings College University, in March 2016 gave the Erick Cruickshank distinguished Lecture.

STAFF

Two lecturers took a one year leave of absence for personal reasons.

REFEREED JOURNAL ARTICLES AUGUST 2015 TO JULY 2016

- **YM Dawkins, Nordau Kanigsberg, Sanjay Murthy.** An Unusual Skin Manifestation in a Patient With Ulcerative Colitis. *Clinical Gastroenterology and Hepatology*. 2016 January;14:xxxv–xxxvi
- **DS Braham, MO Mills, MG Lee, EF Brown, G Gordon-Strachan** Prevalence of Gastroesophageal Reflux Disease Symptoms in a Jamaican Population. *West Indian Medical Journal* DOI: 10.7727/wimj.2016.167
- **T Murphy, EK Donaldson, M. Mills. M, Arthurs, MG Lee** Gastroesophageal Reflux Disease- An Update. *West Indian Med J* 2015 vol 2 Issue 3
- **N Clare-Pascoe, MG Lee, T Murphy, A Nicholson, TS Ferguson.** A Review of Clostridium difficile Infection at the University Hospital of the West Indies, Jamaica. *West Indian Medical Journal* Vol 64, Issue 4: September (2015) DOI: 10.7727/wimj.2014.180

- S Wright, C Gordon, **MG Lee**. Exercise behaviour in patients with chronic diseases in Jamaica. *West Indian Medical Journal* 2015 DOI: 0.7727/wimj.2015.232
- TS Ferguson¹, MK Tulloch-Reid¹, NO Younger-Coleman¹, **RA Wright-Pascoe**, MS Boyne, **AK Soyibo**, RJWilks¹ Prevalence of Chronic Kidney Disease among Patients Attending a Specialist Diabetes Clinic in Jamaica. *West Indian Med J* 2015; 64 (3): 201 DOI: 10.7727/wimj.2014.084
- **KK Hoe**, N Smith, EN Barton, **AK Soyibo**: A “Full House” Glomerulopathy in a Patient with Multiple Lentigenes Syndrome: A Case Report. *West Indian Medical J* 2016 DOI: 10.7727/wimj.2016.001
- T Mason, M Verley, M Gossell-Williams, A Thorbourne, A Walcott-Mitchell, **K Hoe**, **M Lee**: Gentamicin Therapeutic Drug Monitoring: Importance in the Hospital Setting. *West Indian Medical J* 2015 DOI: 10.7727/wimj.2015.603
- Krauss G, Sandy S, Corbin D, Bird J, Jack J, Nelson B, Jalonon T, **Ali A**, Fortune T, Clarke D, Okolie J, Cervenka MC. Epilepsy Care in the Southern Caribbean. *Epilepsy Behav* 2015 Oct;51:267-72.
- **Ali A**. Cannabis Usage in the context of Neurological Disease: Clinical cases and a Review of the Literature. *West Indian Med J*, April 2016;65 (Suppl. 1):22.
- **Yohann White**, Theo Sandfort, Kai Morgan, Karen Carpenter & Russell Pierre. Family relationships and sexual orientation disclosure to family by gay and bisexual men in Jamaica, *International Journal of Sexual Health* 2016; DOI: 10.1080/19317611.2016.1227015. <http://dx.doi.org/10.1080/19317611.2016.1227015>
- **Yohann G. R. White** & Theo G. M. Sandfort. Editorial, *International Journal of Sexual Health*, DOI: 10.1080/19317611.2016.1227014. <http://dx.doi.org/10.1080/19317611.2016.1227014>

ABSTRACTS IN PEER REVIEWED JOURNAL

- **K Maloney, T. Ferguson, K DeCeulaer.** Clinical and immunological characteristics of 150 Systemic Lupus Erythematosus patients in urban Jamaica. *Arthritis Rheumatol* 2015; 67:111
- **K Maloney, T. Ferguson, K DeCeulaer, HD Stewart.** Patterns of medication use among Systemic Lupus Erythematosus patients in urban Jamaica: relationship with disease activity and organ damage. *West Indian Medical Journal* 2015; 64 (suppl4):32.
- **EN Barton.** Organ transplantation – Ethical issues. *West Indian Medical Journal* 2015; 64 (Suppl. 4) 17
- **GP Reid, EW Williams, DK Francis, MG Lee.** Acute pancreatitis at the University Hospital of the West Indies, Kingston, Jamaica – A Seven-year retrospective review. *West Indian Medical Journal* 2015; 64 (Suppl. 4) 23
- **SN Chin, C Walters, E Williams.** Breast cancer receptor profiles in Jamaica: A six-year analysis. *West Indian Medical Journal.* 2015; 64 (Suppl. 4) 31
- **S Rowe-Gardener, F Gayle, N Johnson.** Maternal and fetal outcomes of anti-epileptic drug use in Afro-Caribbean patients. *West Indian Medical Journal* 2015; 64 (suppl. 4) 36.
- **Kathy-Ann Pate-Robinson, Tamara Thompson, Tanya Clarke, Trevor Ferguson.** The Chikungunya Outbreak in Jamaica: Clinical Features and Outcomes of Patients Seen at an Urban Hospital in September 2014. Abstract #53013 ID Week – *Infectious Diseases society of America* October 2015.
- **Nikkiah Forbes, Glenise Johnson, Morton Anthony C. Frankson, Kathy Johnston, Indira Martin, Andrica Smith, Keith McConnell, Rochelle Sands, Audene Garrison, Sharon Weissman, Tamara Thompson, Stanley Read,** The HIV Continuum of Care in the Bahamas in 2012. Abstract #52461 ID Week – *Infectious Diseases society of America.* October 2015.
- **Lyle-Miller L, Ferguson TS, Wright-Pascoe R.** “Factors Associated with Medical Non-Compliance among Patients with Type 2 Diabetes

at the University Hospital of the West Indies. *West Indian Medical J* 2015; 64 (Suppl 1): 36.

- **EN Barton.** Diabetes and the Kidney. *West Indian Med J* 2015; 64: (suppl. 1): 22
- **Wright-Pascoe R.** Glycaemic Control for the Prevention of Diabetic Neuropathy. *West Ind. Med J* 2016; 65 (Suppl. 1), 23.
- Menon U, Williams M, Grindley T, **Ali A.** Managing Epilepsy With Limited Resources: Review Of An Epilepsy Cohort In Jamaica, 2007 – 2015. Poster presentation, American Epilepsy Society (AES) Annual Meeting, December 2015, Philadelphia, PA, USA.

PRESENTATIONS

Dr K Hoe

- Characteristics and outcomes of Community Acquired Acute Kidney Injury in Jamaica
- 8th Annual International Conference on Nephrology, Jan 2016
- Handling a sinking ship: Management of Sickle Cell Nephropathy
- 8th Annual International Conference on Nephrology, Jan 2016

Professor R Wright Pascoe

- “Emerging Obesity Concepts transitioning”. “Emerging Hormonal and Gut Peptide-based therapies for treatment of obesity and Type 2 DM”. 4th Annual Caribbean Obesity Forum. October, 2015.
- Control of Diabetes – Preventing Kidney Disease”. 8th Annual International Conference on Nephrology and Hypertension: January, 2016.
- Thyroid Nodules: What do the new guidelines say? The Caribbean Endocrine Society (CARES) Annual Symposium: “Endocrine Tumours”. April, 2016.
- Improving Glycaemic Control: When Metformin Efforts are not enough”. November, 2015.

Department of Medicine

- Blood Pressure lowering in Type 2 Diabetes: Reducing Deaths and Cardiovascular Outcomes”. January, 2016.
- Forum on Reversing Diabetes: is it a possibility or is it a Dream?” April, 2016.
- The Workshop: Insulin Therapy for the Management of patients with Type 1 and Type 2 Diabetes Mellitus”. May, 2016.

Dr M Fitz-Henley

- Case Presentations: Hereditary telangiectasia; 5th Disease. June, 2015
- Darrier’s disease; Livedo Reticularis presenting with Pigmentation. September, 2015
- Interesting cases from the Dermatology Association of Jamaica, 2014–2015. Caribbean Dermatology Association 24th Annual Conference. November, 2015
- The Epidemiology of Pityriasis Rosea in an Office Practice in Jamaica. Caribbean Dermatology Association 24th Annual Conference. November, 2015
- Cutaneous Manifestations of Collagen Vascular Disorders. November 2015.
- Diagnosis and Management of Vesicular and Bullous Lesions. April, 2016.

Dr L Chin

- Diabetes Prevention and Screening: An Overview of the Local Practices – ADA and Jamaican Guidelines. 26 July 2015.
- The Association between Early Life Factors and Cortisol Awakening Response in Adolescents. Poster Presentation at ENDO 2015 Conference.

Dr T Thompson

- Special considerations for women and HIV. 3rd CHART-CCAS-CMLF Joint Meeting (11th CCAS HIV/AIDS International Workshop)

Dr C Collie

- “Cigarette smoking and lung cancer. November 2015
- Lung Cancer and Cigarette Abuse” for the Jamaica Cancer Society – December 2015

Dr T Murphy

- Bowel Preparation in the patient with Renal Disease. Caribbean Institute of Nephrology’s Annual conference. January 2016

Professor E Barton

- Acute Kidney Injury/Community Acquired. 8th Annual Conference on Kidney Disease and Hypertension. January 2016
- Chronic Kidney Disease and financial constraints on a tertiary institution. June 2016

Dr M Hoo Sang

- Current Guidelines for Management of Hypertension. June 2016

Dr Y Dawkins

- Colorectal cancer surveillance in inflammatory bowel disease. March 2016

Dr K Maloney

- Clinical and immunological characteristics of 150 of Systemic Lupus Erythematosus patients in urban Jamaica.
- American College of Rheumatology, Annual Meeting, November 2015.
- Patterns of medication use among Systemic Lupus Erythematosus patients in urban Jamaica: relationship with disease activity and organ damage. November 2015.
- KLAS FM – “Health Focus” – Lupus Awareness Month. October 2015.
- LOVE 101 FM – “Morning Watch” – Lupus Awareness Month. October 2015.

Department of Medicine

- CVM TV “Health Talk” - Lupus Awareness Month. October 2015.

Dr A Ali

- Theories of Economics applied to choosing AEDs: even more relevant in under-resourced areas? 5th North
- American Regional Caribbean Congress on Epilepsy. March, 2016.
- Advancing specialised health care in middle-income countries like Jamaica. Henley Business School, University of Reading, UK. March, 2016.
- Cannabis usage in the Context of Neurological Disease. Cannabinoids in Clinical Practice, Toronto, Canada, April, 2016.
- Cannabis usage in the treatment of Neurological Disease in Jamaica. April, 2016.
- Neurological complications of Zika infection: the Kingston Public Hospital; experience. June, 2016

PUBLIC SERVICE & OUTREACH

Professor Michael Lee

- Member, Board of Executive, Food For the Poor
- Chair, Medical Committee, Food For the Poor
- Member, Medical Review Panel Ministry of Health. Jamaica
- Member, Health and Wellness Tourism Steering Committee, JAMPRO

Professor R. Wright–Pascoe

- Member of the Building Capacities for Community Engagement in Salt Reduction Using Good Marketing for the Caribbean
- Associate Voluntary Professor assessing candidates for visiting Doctors, Visiting Lecturers, residency and medical elective clerkships for students, William J. Harrington Medical Training Programme for Latin America

- Member, Health Caribbean Coalition (HCC). Helping to evaluate the HCC Capacity Assessment of Civil Organizations in Jamaica for the non-communicable diseases in Jamaica
- Chairman, Jamaica National Committee on Non-Communicable Diseases, Ministry of Health
- Member, Council of the Medical Association of Jamaica
- Chairman, Board of Management of Central Medical Laboratories
- Member, Medical Tribunal Unit of the Medical Council of Jamaica

Professor Everard Barton

- Renal clinic outreach Mandeville Regional Hospital and St. Ann's Bay Hospital.
- Community screening for chronic diseases, St. Ann, Kingston
- Acquisition and distribution of food stuff to needy dialysis patients and patients with HIV
- Arranging and bringing to Jamaica charitable organization Bridge of Life group – doing AV fistula in Jamaica 80 AV fistula, Mandeville, St. Ann, Montego Bay
- Outreach services to develop renal care services in Tobago and public education on prevention of causative diseases.
- Working with CHEF (Caribbean Health and Education Foundation), Caribbean wide screening for Kidney disease in the English speaking Islands/countries.
- Screening for Kidney Disease, Diabetes, hypertension, obesity and HIV among security force personnel, Jamaica
- Outreach programme re HIV working with Global Limited and Bridge for Life for aid to Jamaican Hospitals

Dr A K Soyibo

- Outreach to Rural areas: Preventing Life style related disease
- Renal clinic in two major government hospitals: Mandeville Regional Hospital and St. Ann's Bay Hospital

Department of Medicine

- Development of an Operational Policy manual and Haemodialysis Orientation Manual for University Hospital of the West Indies and satellite Units
- Development of an Operational Policy manual and Haemodialysis Orientation Manual for Tobago

Dr. Lisa Hurlock

- Cardiologic evaluation Physician for swimmers for Jamaica

Dr. C. Collie

- Chairman, Board of Directors, Pre-University School, Taylor Hall, UWI, Mona
- Chairman, Board of Directors, Ayrton Distributors Limited

Dr. M. Lawrence-Wright

- Treasurer, Caribbean Cardiac Society
- Member, Bustamante Hospital for Children Development Committee

Dr. G. Barrow

- Consultancy for UNICEF
- Consultant services for the Elimination of mother to child transmission of HIV and Syphilis
- Ministry of Health, technical support to National HIV/STI Programme as the Director for the Treatment Care
- Representative to the Country Coordinating Mechanism for the Global Fund Against HIV/AIDS, Tuberculosis
- Member, Monitoring and Evaluation Reference Group, National HIV/STI Programme
- Member, Academic Sub-Committee of the National AIDS Committee
- Member, Civil Society Forum of Jamaica
- Member, “Most At Risk Population” Technical Working Group, National HIV/STI Programme

Dr. T. Clarke

- Medical Director for the Racers (Usain Bolt's) Running Club
- Member of the Medical Committee for the JAAA January

Dr A. Ali

- Zika Taskforce of Ministry of Health, Jamaica.
- Associate Editor, Journal Concussion by SAGE Publications, (UK)
- Member, Education Taskforce of International League Against Epilepsy (ILAE)
- Member, The Bhutan Epilepsy Project
- Member, Stigma Taskforce of the North American Commission of the ILAE
- Member, International Affairs Commission of the American Epilepsy Society (AES)

Dr K. Maloney

- Vice president Lupus foundation of Jamaica

Dr F. Gayle

- Jamaica National Health Fund Medical Expert Panel

Dr P. Scott

- Treasurer Church of the Ascension Anglican Church
- Youth Coordinator, Church of the Ascension, Mona
- Summer Retreat for youths via Anglican Youth Fellowship, Church of the Ascension, Mona
- Local industry monitoring of lung function in workers in keeping with International Labour Organization (ILO) standards

Dr T. Thompson

- Women's Health Network of Jamaica (WHN) – member, annual volunteer

Department of Medicine

Dr. K. Hoe

- Member of Kidney Support foundation Jamaica and UHWI Kidney Foundation
- Co-ordinator for Davita (Bridge of Life) mission

Dr. M. Fitz-Henley

- Church Elder in the inner city of Greenwich Town, Kingston 13.

DEPARTMENT OF MICROBIOLOGY



Dr. Alison Nicholson, MBBS; DM
Head of Department

WORK OF THE DEPARTMENT

Testing for Dengue, Zika, Chikungunya and Influenza viruses

During the past year the Ministry of Health collaborated with the Virus laboratory in the Department of Microbiology to test clinical samples for these viral infections during unprecedented outbreaks of all of them. This was especially challenging since some viruses were causing infection in Jamaica for the first time. This collaboration has resulted in the procurement of equipment to increase the capacity of the laboratory to do molecular testing.

The National Influenza Centre

The National Influenza Centre (NIC) continued to play its role in Influenza Diagnosis and Surveillance during the 2015/2016 Influenza

Department of Microbiology

Season which was marked by increased activity with a predominance of pandemic strain Influenza A: H1N1. The information was sent to the Weekly Surveillance Bulletin for Jamaica (MOH), the CAREC Surveillance Reports and to the Weekly Epidemiological Surveillance Regional Pan American Health Organization (PAHO) publications for the Americas.

Dr. S Jackson who has been in Geneva at the WHO has been gaining further exposure to the monitoring of Influenza viruses globally. In her absence, Professor Monica Smikle has been providing leadership for the NIC.

Infection Prevention and Control

The Infection Control Committee of the UHWI is chaired by Dr A Nicholson (HOD). She is spearheading the drive to train all levels of healthcare workers in the hospital (UHWI) across all disciplines, in the basic concepts of Infection Prevention and Control. So far, about 400 staff members have been trained. Training is being done by Drs A Nicholson, Camille-Ann Thoms-Rodriguez and Glendee Reynolds along with Infection Control Nurse T Hoilett.

ISO ACCREDITATION

Substantial progress was made in the department's effort to achieve accreditation to ISO:15189 Standard for Medical Laboratories. This is being led by Professor M Smikle. The Jamaica National Agency for Accreditation (JANAAC) conducted the on site assessment of the department during February 2016. The laboratory is steadily addressing identified nonconformities to complete the accreditation process.

GLOBAL VIRUS NETWORK

The Global Virus Network is a coalition of top virologists in 26 countries who have come together to advance studies in virology. Professor John Lindo, along with others, played a leading role in fostering the collaboration between the GVN, the University of West Indies, Ministry of Health,

Environmental Health Foundation and other partners to advance research and training on viral diseases of import to Jamaica and the region. This collaboration will strengthen the ability of the Department of Microbiology to respond to the threat of viral infections that has emerged in recent times. Through this membership, Jamaica will benefit from research collaboration with virologists across the world and persons from UWI will be able to access training programmes and workshops to boost local expertise.

WORLD SEPSIS DAY (WSD) 2015

The Department of Microbiology, led by **Dr I Vickers**, in collaboration with the World Sepsis Day Organizing Committee, hosted the first International Sepsis Symposium on Sunday, September 6, 2015 at the Medical lecture Theatre, UWI Mona. The theme was entitled “Sepsis ... Why it matters to you” in keeping with the aim of raising local sepsis awareness. There were 197 participants. Five hours CME credits were offered.

Cutting edge topics in sepsis were covered including: Understanding Sepsis, Laboratory diagnosis of sepsis, Code sepsis and the emergency room, Adult and paediatric sepsis.

Ms Laura Messineo and Dr Niranjana Kissoon were the international speakers. She spoke on Sepsis: Driving change, a centralized approach.

Dr Niranjana Kissoon, Vice-Chairman, Global Sepsis Alliance (GSA) and Professor at the University of British Columbia (Canada) spoke on the topic: Sepsis- A neglected killer, why it matters.

Sponsorship was obtained from The Chase Fund, Pfizer, Industrial and Technical Supplies Ltd, Windward Medical Centre, Main Event Entertainment Group Ltd and Iprint Digital.

Laboratory capacity strengthening for Zika virus/Arbovirus testing:

Workshop 1 (Facilitator: Dr I Vickers)

PAHO/WHO Laboratory Training Workshop for Zika virus/Arbovirus testing was done by Dr Lionel Gresh, PAHO/WHO to standardize the protocol for molecular detection of Zika virus and to review the diagnostic algorithms (Arbovirus) currently used by the laboratory. This was held on February 11–12, 2016 in the Department of Microbiology, FMS, UWI, Jamaica.

i) Virology Laboratory Zika Technical Competence (Facilitator: Dr. I Vickers):

Competence for the identification of acute Zika viral infections in human clinical and ecological samples using molecular methods (ie real time RT-PCR) was obtained from the Arbovirus Diseases Branch, Division of Vector Borne Diseases, Centers for Disease Control and Prevention in March 2016

ii) Workshop 2 (Facilitator: Dr I Vickers)

PAHO/WHO Technical Assistance Workshop for the Detection and Differential Diagnostic of Zika virus and other Arbovirus, – Virology Laboratory at University of West Indies – was done by Julian Leite, Consultant PAHO/WHO on March 15–18, 2016.

This was a follow up on the standardization of the protocol for the molecular detection of Zika virus. Additional reagents and materials for Zika virus detection were provided.

Surveillance by the Department:

The Department of Microbiology continues to submit the following monthly surveillance reports to the Ministry of Health.

1. General Virology Report
2. Bacteriology Report
3. Dengue Report
4. Chikungunya Report
5. HIV Report

International Network of SUE Caribe – University of the West Indies Caribbean Researchers Collaboration

This collaboration includes Camille-Ann Thoms-Rodriguez and Nicole Christian of the Department of Microbiology. They, along with the other project collaborators, are currently exploring student exchange opportunities where students from Colombia can come and spend an attachment in the Microbiology lab at the University of the West Indies and vice versa.

Biotech R&D project

Under the leadership of Professor John Lindo, Dr. Thoms-Rodriguez and other members of the faculty have been working in collaboration with the Biotech R&D Institute on a project that is investigating the antimicrobial properties of plant extracts.

Environmental investigation of Moulds

There has been increased requests for investigation of mould contamination in some of the on campus departments (UWI), namely:

- a) MSBM (UWI) where several sections have remained closed until a full mould remediation is carried out to resolve the problem.
- b) Sections of the University Hospital of the West Indies (UHWI) have been assessed and recommendations made for mould remediation.
- c) Request for investigating mould contamination and remediation has been made by public institutions including Technology Solutions, Environmental Planning Risk Management and others.

The increased requests for determining mould contamination and remediation solutions are a good potential source of income generation.

INCOME GENERATION

i) Energy Efficiency Project

The department implanted an energy efficiency project to reduce the consumption of electricity and the costs associated with the running of

Department of Microbiology

the department. The project was funded by PetroCaribe to the tune of UD\$247,600.00 (Joshua Anzinger & John Lindo) and included the following aspects:

1. Replacement of old and energy inefficient equipment with new energy efficient equipment. The grant also included software to monitor the temperature of refrigerators and freezers and upgrade of the wireless service in the department to accommodate this improvement.
2. Encasement of the building in an envelope which reduces heat radiation and lower air conditioning costs. The envelop also makes the glass shatterproof and adds protection for hurricanes.
3. Installation of motion sensors which turn off the lights in empty rooms.
4. Installation of an electronic smart meter to monitor electricity consumption.

ii) Research

National HIV/STI programme, Ministry of Health, Jamaica, “Antimicrobial genetic resistance of *Neisseria gonorrhoea* in Jamaica”, US\$17,392.84. Principal Investigator: Joshua Anzinger: 2016. Research Student: Suzette Cameron

Broad Based Solutions

The department in conjunction with Abbott Diagnostic Division conducted an audit of the department in order to re-engineer business processes for efficiency. This audit led to the suggestion of several changes to be implemented.

STAFF DEVELOPMENT

Sandra Jackson

- Member, WHO Secretariat. WHO Global Influenza Program and WHO Global Influenza Surveillance and Response System

- Member, Certification Board of Infection Control and Epidemiology. USA

Alison Nicholson

- Certificate course in Healthcare Epidemiology by the Society for Healthcare Epidemiology of America (SHEA) May 2016

Camille-Ann Thoms-Rodriguez

- Certificate course in Antimicrobial Stewardship by the Society for Healthcare Epidemiology of America (SHEA), May 2016

Nicole Christian

- Certificate course: International Atomic Energy Agency (IAEA), Austria. Strengthening regional capacities for the early and rapid detection of Zika virus infections in Central America and the Caribbean Laboratory capacity strengthening for Zika virus/Arbovirus testing workshop (PAHO), Jamaica

PUBLICATIONS

- Jack Sternal, Aspen Hammond, Julia Fitzner, Terry Besselaar, **Sandra Jackson**, Katelijin Vandemaele and Wenqing Zhang. “Review of the 2015 influenza season in the southern hemisphere” *Wkly Epidemiol Rec*. 2015 Nov 27;90(48):645-60.
- Durand L, Cheng PY, Palekar R, Clara W, Jara J, Cerpa M, El Omeiri N, Ropero-Alvarez AM, Ramirez JB, Araya JL, Acosta B, Bruno A, Calderon de Lozano C, Castillo Signor L C, Matute ML, **Jackson-Betty S**, Mung KS, Díaz-Quiñonez JA, López-Martinez I, Balmaseda A, Arévalo BM, Vazquez C, Gutierrez V, Garten R, Widdowson MA, Azziz-Baumgartner E. “Timing of influenza epidemics and vaccines in the American tropics, 2002–2008, 2011–2014” *Influenza Other Respir Viruses*. 2016 May;10(3):170-5. 2016 February 8.

- Cook, J, Hardie, R; Bailey, K; Tapper, M; **Vickers, I**; Calder,D; Harvey,K; Lindo JF. (2016). Seroprevalence of human toxocariasis, Jamaica. *Trop Biomed* 2016; 33(1): 1-7.
- Thoms-Rodriguez, C., Mazzulli, T., Christian, N., Willey, B., Boyd, D., Mataseje, L., Mulvey, M., Christie, C., **Nicholson, A.** New Delhi metallo- β -lactamase in Jamaica. *J Infect Dev Ctries* 2016; 10(2):183-187. Available at: <http://www.jidc.org/index.php/journal/article/view/26927461>
- Todd CD, Reyes-Batlle M, Valladares B, Lindo JF, Lorenzo-Morales J. Vannellid Species Isolated from Freshwater Source in a Park in Jamaica, *West Indies. Microbiol Insights.* 2015 Oct 11;8(Suppl 1):7-9. doi: 0.4137/MBI.S30537.
- Todd CD, Reyes-Batlle M, Piñero JE, Martínez-Carretero E, Valladares B, Streete D, Lorenzo-Morales J, **Lindo JF.** Isolation and molecular characterization of Acanthamoeba genotypes in recreational and domestic water sources from Jamaica, *West Indies. J Water Health.* 2015 Sep;13(3):909-19. doi: 10.2166/wh.2015.232.
- Palmer CS, **Anzinger JJ**, Butterfield TR, Crowe SM. “A simple flow cytometric method to measure glucose uptake and glucose transporter expression for monocytes and monocyte subpopulations in whole blood”. *J. Vis. Exp.* 2015:e54255.
- Chin-Harty LA, Walters CA, Wright-Pascoe RA, Martin A, **Roye-Green K**, Barton EN, Boyne MS. Microbial isolates in diabetic foot lesions of hospitalized patients at the University Hospital of the West Indies. *West Indian Medical Journal* 2015 Nov 18.do:10.7727/wimj.2015.234. (E pub ahead of print).
- Zuo Y, **Willis R**, Pappalardo R, Pertri M, Harris EN, Schleh A, DeCeulaer K, **Smikle M**, Vila LM, Reveille JD, Alarcon GS, Gonzalez EB. A unique antiphospholipid assay recognizing phospholipid mixture, compared with criteria antiphospholipid immunoassays in lupus patients. *Lupus* 2016, Oct 16 pii: 0961203316671812

ORAL PRESENTATIONS

- **S Jackson**, T Besselaar, J Fitzner. "WHO Global RSV surveillance". ECDC expert consultation meeting; Burden of RSV disease in Europe workshop in the European Union/European Economic Area, Stockholm, Sweden, 23–24 November 2015.
- **S Jackson**, T Besselaar, T Ziegler. "Laboratory aspects of WHO RSV surveillance guidance". WHO Technical Meeting on Piloting the Respiratory Syncytial Virus (RSV) Surveillance based on the Global influenza Surveillance and Response System. Geneva, Switzerland. 28–30 June 2016.
- **S Jackson**, T Besselaar. "Overview of the preparations and work done for Piloting RSV Global Surveillance since February 2016". WHO Technical Meeting on Piloting the Respiratory Syncytial Virus Surveillance based on the Global influenza Surveillance and Response System". Geneva, Switzerland. 28–30 June 2016.
- **S Jackson**, D Eldemire-Shearer. Emerging Viral Infections and the Elderly: Role of immunization and nutritional enhancement. Emerging Issues Impacting the Health of Older Adults. Medical Association of Jamaica Symposium 2016. June 2–5, 2016. Jamaica.
- **IE Vickers**. Zika virus: the Next Arbovirus in Jamaica. January 2016.. CME Meeting, Department of Community Health and Psychiatry, UWI Mona
- **IE Vickers**. Laboratory Diagnosis of Zika virus. February 2016. Faculty of Medical Sciences collaborating with PAHO/MOH Public Symposium. Teaching and Research Complex, UWI Mona.
- **J. Anzinger**. Zika Diagnostics: Friend or Foe Paediatric Association of Jamaica October 2015.
- **A Nicholson**. Antibiotic Resistance: Caribbean Association of Clinical Microbiologists November 2015, Barbados.
- **A Nicholson**. The Bill Dennis Memorial Lecture: Hospital Acquired Infection: Prevention better Than Cure? July 13, 2016, MMLT, UHWI.

Department of Microbiology

- **A Nicholson.** The Use of Antibiotics in the Intensive Care Unit: St Ann's Bay Hospital Annual Symposium

Poster Presentations

- Poster presentation at FMS Annual Research Conference, November 2015, Kingston Jamaica. Awarded the ASM Prize for Best Poster in Microbiology at the FMS Annual Research conference
- Poster Presentation at the 17th ICID conference in Hyderabad, India, March 2–5th 2016 Reynolds-Campbell G, Campbell L, Williams T, Heslop O: “Microbiological profile of mycotic eye infections at a tertiary care centre in the Caribbean: A retrospective analysis”.

DEPARTMENT OF OBSTETRICS & GYNAECOLOGY



Dr. Carole Rattray, MBBS, DM (O&G), FRCOG, FACOG
Head of Department

WORK OF THE DEPARTMENT

The department continues to make great strides in Teaching and Research & Service activities. The new format MBBS Clinical examinations (OSCE) across all 4 campuses was improved upon with the use of the Domain Marking System in May/June 2016. Our Associate Lecturers from our affiliate accredited hospitals of Cornwall Regional Hospital, Mandeville Regional Hospital, Spanish Town Hospital and Victoria Jubilee Hospital & The May Pen Hospital continue to give indispensable support to the department as the numbers of undergraduate students continue to grow. Our cadre of staff increased with the addition of two new Associate Lecturers for the Labour Ward and one new Associate Lecturer for the Gynaecological Oncology Team.

Our services include general Obstetrics and Gynaecology, Reproductive Endocrinology and Assisted Reproduction, Gynaecological Oncology and Perinatal services.

OBSTETRIC PERINATAL SERVICE

This service manages high risk Obstetric cases and accepts referrals from the rest of the island. The Unit provides teaching for postgraduate and undergraduate medical students. Perinatal Audits occur monthly as a joint meeting with the Department of Child Health and annual conference in February of each year is run by the High Risk Obstetric team in collaboration with the Neonatologists & Neonatal Pathologists.

The Labour Ward and Postnatal Services are supervised by Drs. Michelle Campbell and Lenroy Bryan who also teach undergraduate and postgraduate students as well as midwives in training. The first multidisciplinary training course in Obstetrics Skills and Drills was held in March 2016 and was led by two physicians from Dundee University, Scotland. It consisted of a two day workshop – training of trainers on Day 1 and a twenty participant (multidisciplinary) workshop on Day 2.

We launched the first clinical Fellowship Programme in Materno-Fetal Medicine and Emergency Obstetrics in July 2015 with 3 Fellows and the second cohort started in July 2016 with 2 Fellows. The primary thrust of this fellowship programme is to train persons to lead High Risk Obstetric Teams & High Dependency Units across Jamaica. This Fellowship Programme is spearheaded by Dr. Tiffany Hunter Greaves.

The Department offers Obstetric Ultrasound Services to both the University Hospital and referrals from outside the University. Ultrasound courses are offered twice a year through the PROMAC initiative. Ultrasound training is spearheaded by Dr. Nadine Johnson and Dr. Tiffany Hunter.

Oncology Unit

Dr. Taylor and Dr. Bambury are the two trained gynaecological Oncologists in the department and together with Dr. Rattray, Dr. Mitchell and Dr. Medley, form the Gynaecological Oncology Team. They are assisted by Sister Murdoch and her team of nurses as well as administrative secretary, Miss Thompson. Residents rotate through the unit spending 2 months

in the Colposcopy and Oncology areas. Patients requiring colposcopy in the management of the abnormal cervical smear are seen in the Colposcopy clinics while patients with gynaecological malignancies, are seen in the Oncology clinic both in preparation for surgery and in following patients post surgery, post chemotherapy and radiation therapy. The Unit also has facilities for teaching both undergraduate and postgraduate students. A new Fellowship Programme in Gynaecological Oncology is in development.

FERTILITY MANAGEMENT UNIT

Dr. Vernon DaCosta took over as Director of the Unit following the retirement of Professor Joseph Frederick. The team in the Unit consists of Drs. Shaun Wynter, John Harriott, Loxley Christie and Sharifa Frederick as clinicians and Dr. Audrey Pottinger and Sister McKenzie as counselors. Two other staff members in the programme are Miss Denise Everett, a senior embryologist (Biologist) and Miss Hillary Walters a staff Nurse as the coordinator of the programme. This team has championed the In Vitro Fertilization and Embryo Transfer Programme for Jamaica and the Caribbean. Pregnancy rates continue to improve and frozen embryos and donor eggs are now being stored. Minimally invasive procedures such as hysteroscopy and laparoscopy (both diagnostic and therapeutic procedures) are provided as day case procedures and the family planning clinic offers contraceptive and sterilization advice.

PAPERS/ POSTERS PRESENTED

- R Shirley, I Bambury, B Morrison, C Rattray. Vesicovaginal Fistulae: a retrospective case series at the University Hospital of the West Indies over a 15-year period, Jamaica Urology Society, Jamaica Conference Centre. Oral Presentation, March 6, 2016.
- I. Bambury. Knowledge and Attitudes of a Cohort of Male University Students in Jamaica Regarding Human Papilloma Virus (HPV) and the HPV Vaccine. Poster Presentation. Global Cancer research symposium, San Francisco, April 8, 2016.
- I. Bambury. An Audit of Wait Times for Service Offered by the

Gynaecology Oncology Unit at the University Hospital in Jamaica: Are We Meeting the Standards? Poster Presentation. Global Cancer research symposium, San Francisco, April 8, 2016.

- **I. Bambury.** Cervical cancer the Scope of the Problem. Jamaica Cancer Society – Dr St Elmo Hall Lecture Series at the Jamaica Pegasus Hotel, April 17, 2016
- **H. Fletcher.** Maternal Mortality presentation Symposium on Aspects of Women’s Health, Arthur Chung Convention Center, Georgetown, Guyana, Sunday, February 21, 2016 Guyana-Jamaica Friendship Association (New York) Inc., in collaboration with the Ministry of Public Health, Guyana.
- Nadine Johnson, Sean Parkinson, Carole Rattray. ‘Pregnancy Outcomes of Women with Prosthetic Heart Valves at University Hospital of the West Indies (UHWI)’. Poster Presentation.
- **N. Johnson.** Cardiac Problems in Pregnancy Congress (CPP 2016), Las Vegas, USA, Poster Presentation, February 2 –March 1, 2016.
- **N. Medley.** International Society of Prenatal Diagnosis (ISPD) 19th Annual Conference in Washington, July 2015, Poster Presentation.
- **Natalie Medley, Nadine Johnson, Carole Rattray, Blondel Crosdale.** Perinatal outcome of growth restricted fetuses after iatrogenic preterm delivery secondary to early onset severe preeclampsia with abnormal dopplers: The UHWI experience. Poster Presentation.
- **N. Medley.** Obstetric ultrasound, a window into the uterus. Workshop – Mandeville Regional Hospital Annual Symposium, May 2016.
- **S. Wynter.** Saline Infusion Sonography and Hysteroscopy. HWFMU Seminar. July 2016
- **S. Wynter.** Luteal Phase support in IVF. HWFMU Seminar. July 2016
- **S. Wynter.** “An Update on the management of Female Infertility, the investigations and treatment”. The Caribbean College of Family Physicians (CCFP) Jamaica Chapter, July 24, 2016 at the Alhambra Inn, Kingston.

PUBLICATIONS

- Natalie Medley, Nadine Johnson, Carole Rattray, Blondel Crosdale. Perinatal outcome of growth restricted fetuses after iatrogenic preterm delivery secondary to early onset severe preeclampsia with abnormal dopplers: *The UHWI experience. Prenatal Diagnosis* 2015, 35, 91-93
- Sean Parkinson, Ian Bambury, Carole Rattray. Knowledge and Attitudes of a Cohort of Male University Students in Jamaica Regarding Human Papilloma Virus (HPV) and the HPV Vaccine. *JGO* July 20, 2016.
- Ian Bambury, Christopher Fletcher, Carole Rattray, Matthew Taylor, Charmaine Mitchel, Loxley Christie. An Audit of Wait Times for Service Offered by the Gynaecology Oncology Unit at the University Hospital in Jamaica: Are We Meeting the Standards? *JGO* July 20, 2016.
- Ayse Cital-Dogan, MD, Sandra Wayne, MS WHNP-BC, Samuel Bauer, MD, Dotun Ogunyemi, MD, Santosh K. Kulkarni, MB, BS, Devika Maulik, MD, Christopher F. Carpenter, MD, Ray O. Bahado-Singh, MD, MBA. The Zika Virus and Pregnancy: Evidence, Management, and Prevention. Doi: 10.3109/14767058.2016.1174210
The Journal of Maternal-Fetal & Neonatal Medicine

INCOME GENERATION: EXTERNAL RESEARCH FUNDING AND GRANT SUPPORT

Professor Horace Fletcher

- 2015 Prevention of Mother and Child Mortality 1 million Euro from the 2.4 Million Euro from Ministry of Health Jamaica to UWI to train doctors and nurses

Dr Donnette Simms-Stewart

- Twin Birth Study – US\$ 60,000
- FACT trial –US\$10,000

PUBLIC SERVICE

Dr. Loxley Christie

- Departmental Representative on the University Hospital Accident & Emergency Committee

Professor Horace Fletcher

- President, Cornwall College Old Boys Kingston Chapter
- Member, University Hospital Board
- Member, Medical Council of Jamaica
- Member, Ministry of Health Task Force to examine Doctors working Hours
- Member, Tony Thwaites Wing Risk Management Committee
- Chairman, The University Hospital Procurement Committee
- President, Caribbean Gynecologic Cancer Society
- Reviewer, *British Journal of Medicine and Medical Research*
- Reviewer, *Journal of Obstetrics and Gynaecology*
- Reviewer, *International Journal of Obstetrics and Gynecology*
- Reviewer, *West Indian Medical Journal*

Dr. Santosh Kulkarni

- External Examiner for the inaugural batch of 5 residents completing the OG program of the University of Guyana May 27th 2016
- Member, Jamaica MOH Maternal Mortality audit Committee
- Member, Jamaica MOH Patient Affairs Audit Committee

Dr. Cathy Maddan

- Member of the Review Group for Maternal Mortality for the SERHA Region

Dr. Natalie Medley

- Member, Organization for International Development (OID)
- Participated in volunteer service activities at the Missionaries of the Poor in downtown Kingston in January 2016. Conducted well-woman checks including cervical cancer screening.

Dr. Carole Rattray

- Vice President, Caribbean Gynecologic Cancer Society
- Chairman, Ministry of Health Maternal Mortality Committee

Dr. Donnette Simms-Stewart

- Vice President, American Congress of Obstetrics and Gynaecology, West Indies Section

INTERNATIONAL VISITORS TO THE DEPARTMENT

- 1) Dr Kevin Hayes
 - a. External Examiner December 2015
 - b. Workshop on Workplace Based Assessments
- 2) Professor Nicholas Leyland – External examiner May/June 2016
- 3) Dr. Karolynn Echols – Urogynaecologist
- 4) Dr. Kathrine Orr – Obstetrician, University of Dundee – facilitator of the Emergency Skills & Drills Workshop
- 5) Dr. Kathrine Zealley – Anaesthetist, University of Dundee - facilitator of the Emergency Skills & Drills Workshop

STUDENT AWARDS/PRIZES

- MBBS Medal in Obstetrics & Gynaecology – Abigail Morris

DEPARTMENT OF PATHOLOGY



Dr. Gilian Wharfe
Head of Department

WORK OF THE DEPARTMENT

The Department of Pathology continues to be highly involved in teaching, research and service. The work of the department is diverse and is carried out by three subdepartments which are further divided into sections/units headed by different members of the academic staff with expertise in the relevant areas. The subdepartments are Chemical Pathology, Anatomical Pathology comprising Histology, Cytology, Autopsy Service, Immunohistochemistry, Cytogenetics and the Jamaica Cancer Registry and Haematology comprising Routine Haematology, Blood Banking and Flow Cytometry.

Laboratories and Autopsy Service

The service work though sometimes hampered by a shortage of reagents and supplies due to financial constraints continued to provide laboratory

and autopsy service to the UHWI and other medical facilities in Jamaica and the region.

The Histopathology Laboratory accessioned and processed 8,880 surgical cases which generated 42,880 tests (including routine histology and immunohistochemical requests). The Cytology Laboratory processed 2,834 pap smears and 664 non-gynaecological cases. A total of 183 autopsies were performed, including 36 perinatal autopsies, and 7 private autopsies. The Chemical Pathology Laboratory performed a total of 594,987 tests while Routine Haematology Laboratory received and processed 101,525 specimens. The Blood Bank processed 3,516 blood donors and performed 15,433 tests.

Laboratory Information System

Laboratory Information System (LIS) is fully in operation with three labs (Blood Bank, Haematology and Chemical Pathology) utilizing the system while the other two (Histology and Cytology) are working on improving access to the system.

ACCREDITATION

During the year all documents relating to accreditation such as the Quality Manual, Safety Manual and Standard Operating Procedures for all the laboratories in the Department were updated according to ISO 15189:2012. The scope of tests that are involved in an external quality assurance programme was submitted to the Jamaica National Agency for Accreditation (JANAAC) and the cost of the programme was received. The application form that will be submitted to JANAAC is being prepared for submission.

TEACHING & LEARNING

Undergraduate Programmes

The Department is heavily involved in the teaching of all aspects and sub-specialties of Pathology in both Stages I and II of the MBBS

programme. Every ten weeks 50–70 students rotate and sit the Pathology/Microbiology Stage II examination.

Graduate Programmes

The DM programmes in the department continue, with offerings in Anatomical Pathology, Haematology/Oncology and Chemical Pathology. Applications to the DM Anatomical Pathology and Haematology/Oncology have continued to increase, necessitating an objective selection process, including interviews and an active cap on enrollment. Currently there are fourteen residents enrolled in Anatomical Pathology, fourteen in Haematology/Oncology and one in Chemical Pathology. Four residents were successful in the DM (Pathology) exit examination held in November/December 2015. One candidate sat the DM (Haematology/Oncology) exit examination and was successful.

RESEARCH & INNOVATION

Jamaica Cancer Registry

Work of the Unit

Case Registration

The registration of cancers continues. The process was hampered for most of the year because one of the registry's posts was vacant for the entire year, except for the last two months. The post was filled in June 2016.

International Agency for Research on Cancer (IARC) commitments

The registry completed its submissions of data regarding cancers registered in the years 2008–2012, to The International Agency for Research on Cancer (IARC). This data, if accepted, will be published in the eleventh volume of "Cancer Incidence in Five Continents," which will cover the 5-year period 2008–2012.

Personnel

A new registrar, Mrs. Tessanne Solomon, was employed to fill the vacant registrar post.

Research

The Jamaica Cancer Registry continues to support the Elective programme in the undergraduate

M.B.B.S. curriculum, accommodating medical students, who participate in supervised research projects. In February/March 2016, UWI, Mona medical student Krystal Mills undertook research on oesophageal cancer. She is currently preparing a manuscript for publication.

In keeping with tradition, the Registry continued to provide information on cancers to members of the medical community and the Ministry of Health, and to assist in various research projects.

Cytogenetics Laboratory

During the year the clinical services of the Cytogenetics laboratory were expanded. This involved:

- (1) The addition of three new sample types: bone marrow, amniotic fluid and solid tissue.
- (2) The addition of molecular cytogenetic testing (Fluorescence in situ hybridization – FISH)

The laboratory's expansion goal was achieved through three main mechanisms:

- (1) The pathologist in charge of the laboratory, Dr. Tracey Gibson, spent two weeks (in September 2015) receiving training in the interpretation and reporting of FISH tests at the Cytogenetics Laboratory at The Hospital for Sick Children in Toronto, Canada.
- (2) An expert cytogeneticist from The Royal Marsden Hospital in the United Kingdom – Dr. Toon Min – was invited to spend the month

Department of Pathology

of November 2015 in our laboratory. The primary objectives of his visit, which were successfully met, were:

- (a) To establish a fluorescence in situ hybridization (FISH) service in our laboratory
- (b) To train the laboratory staff in analysis of karyotypes for haematological malignancies and solid tumours.
- (3) A laboratory Technician, Miss Sashena Prendergast, was employed in order to assist with the projected increased workload.

In addition, at the request of the laboratory, Dr. Min performed an evaluation of the laboratory's operations and made recommendations for improvement, chief among which was the upgrade of the laboratory's karyotyping workstation and the acquisition of items of equipment which would enable more consistent and reliable results from FISH tests.

Three of these crucial pieces of equipment: triple band pass filter, dual band pass filter and cytochrome brite programmable hybridization hotplate were purchased for the laboratory by the SickKids-Caribbean Initiative – an ongoing capacity-building collaboration between The Hospital for Sick Children in Toronto, Canada, and six Caribbean countries. Two other items (a digital water bath and a ceramic hotplate) are in the process of being purchased by the laboratory.

External funding is currently being sought for further laboratory development, including the required karyotyping workstation upgrade.

Initiatives/Activities

HTLV-1 Project

HTLV-1 continued collaboration with NIH to recruit patients for enrolment of patients with ATLL and to follow up those on treatment.

Haemophilia Research

At the World Federation of Haemophilia (WFH) meeting in July 24–28, 2016, Dr. Wharfe was able to establish the following:

- (1) Meet with NNHF grant funders to discuss obtaining a new grant

- (2) Meet with WFH to establish the provision of clotting factor concentrates to persons with haemophilia in Jamaica. Since then clotting factor concentrates have been provided.
- (3) Meet with WFH to discuss being part of a pilot programme for establishing a registry for persons with haemophilia.

Sick Kids – Caribbean Collaboration

The hospital for Sick Children in Toronto continues its capacity building in the region with a total of 6 other countries. This work includes case consultation, funding of paediatric flow cytometry, case rounds, preparation of documents to achieve uniform management of different conditions (febrile neutropenia, tumor lysis, neuro-oncology management) amongst others. The registry continues to register cases of Paediatric Oncology and examine outcome data for these cases.

This initiative also provided funding that augmented the previous Novo Nordisk Haemophilia Foundation (NNHF) grant provided to investigate persons with Haemophilia in Jamaica. It also allowed training and continues to be a resource for guidance and training in different aspects of the disease including identification of inhibitors and physiotherapy.

RESEARCH FELLOWSHIP

Forensic Pathology Fellowship

The year 2015 saw the realization of funding for Forensic Pathology Fellowships at the University of Toronto through the efforts of Dr. Michael Pollanen of the Centre for Forensic Science & Medicine. The G Raymond Chang Forensic Pathology Fellowship was inaugurated with Dr. Althea Neblett, 2014 graduate of the DM programme as its first recipient.

PAPERS PRESENTED AT CONFERENCES AND SEMINARS

Poster Presentations

Wharfe G, Lowe D, Buchner-Daley, L. “Establishing a registry and improving diagnostic capabilities and Treatment: Outcomes for persons with Haemophilia in Jamaica” World Federation of Haemophilia, Orlando, Florida, July 24–28, 2016

Presentations

- **Gibson TN.** “Epidemiology of cancer in Jamaica”. UWI Faculty of Medical Sciences 24th annual Research Conference, Kingston, Jamaica, November 2015.
- **Williams NP.** “The road toward the Establishment of Fellowship Training in Forensic Pathology in the Caribbean”. Inaugural conference Caribbean Association of Forensic Sciences, Kingston Jamaica, July 20–22, 2016.
- **Thompson R.** “Enterobius vermicularis infestation of Vermiform appendix”. Ontario Gut Club, Mount Sinai Hospital, Ontario, Canada, November 2015
- **Thompson R.** “Necrotizing granulomata in liver with Takayasu Arteritis”. Ontario Gut Club, Mount Sinai Hospital, Ontario, Canada, April 2016.
- **Thompson R.** “Gastropathy, gastritis, foveolar hyperplasia and metaplasia: What does this Mean?” Association of West Indian Gastroenterologists, Trelawny, Jamaica, April 2016
- **Facey A, Irving R, Dilworth L.** “The proposed use of basal lactate as a biochemical marker for type-2 Diabetes development”. Ministry of Health 6th Annual National Health Research Conference, Jamaica Conference Centre, Kingston Jamaica, November 26–27, 2015
- **Gardner N, Luke G, Wheatley A, De La Haye W, Lowe H, Bahadosingh P, Dilworth L, Salako-Akande A, Morrison E, Asemota H.** “Nutritional supplements as a possible safe and cost-effective means of treating neurotransmitter imbalances associated with chronic

cocaine dependence”. Ministry of Health 6th Annual National Health Research Conference Centre, Kingston, Jamaica, November 26–27, 2015.

- **Chin S.** “Cancer a growing public health priority in the Caribbean”. FMS Annual Research Conference, University of the West Indies, Mona, Kingston Jamaica, November 2015
- **Chin S.** “Jamaica’s Health System”. Canadian Global Health Talk, Ochio Rios, March 2016
- **Chin S.** “Improving outcomes in Breast Cancer-Screening & Prevention”. Jamaica Medical Students Association Standing Committee on Public Health (SCOPH), February 5, 2016.
- **Chin S.** “Common chemotherapy regimens” Roche Oncology Nurses Training Workshop, Kingston, Jamaica, December 2, 2015.
- **Chin S.** “Bisphosphonates & adjuvant breast cancer” Denk Pharma Meeting, Kingston, Jamaica, November 17, 2015
- **Chin S.** “Cancer as an Infectious disease” Association of General Practitioners of Jamaica Annual Symposium, University of the West Indies, Mona, Jamaica, September 13, 2015
- **Chin S.** “Preventable Causes of Cancer”. Association of General Practitioners of Jamaica Symposium, Kingston Jamaica, November 8, 2015
- **Brady-West D.** “The Ethics of Gender Assignment”. Paediatric Association of Jamaica Ethics Conference, September 2015
- **Brady-West D.** “When the Doctor Becomes the Patient”. Jamaica Medical Doctors Association Medical Ethics Conference, February 2016
- **Lowe D.** “Management of Oncologic Emergencies – What to do?” Annual Radiology Symposium, Knutsford Court Hotel, Kingston, September 20, 2015.
- **Lowe D.** “The Role of Breast Receptors in the Management of Breast Cancer”, Annual Breast Cancer Symposium (Jamaica Cancer Society), Knutsford Court Hotel, Kingston, Jamaica, October 25, 2015

- **Bishop K.** “Perinatal Pathology Report January–December 2015”. 15th Annual Perinatal Conference: Departments of Obstetrics & Gynaecology and Child Health, Faculty of Medical Sciences, UWI, Mona, February 27–28, 2016

PUBLICATIONS

Books & Monographs

REFEREED JOURNAL ARTICLES

- Facey A, **Dilworth L**, Irving R, “The Impact of Serum lipid on muscle size in Male Jamaica Tract and Field Athletes”. *American Journal of Sports Medicine*, 4(1), (2016), 20-25. DOI: 10.12691/ajssm-4-1-40
- Stennett, D, Wheatley A, **Dilworth L**, Asemota H. “Optimal dosage determination of a hypocholesterolemic bitter yam proprietary preparation in diet induced hypercholesterolemic mice”. *Journal of Basic Applied Research*, 2(3): (2016), 281–290
- **Gibson TN, Shirley SE, Williams EW, Rhudd A, French S, Hibbert R.** “Discrepancies between clinical and autopsy diagnoses in the Emergency Department of the University Hospital of the West Indies”. *West Indian Medical Journal* (2015). E-pub ahead of print. DOI:7727/wimj.2015.192
- Felix O, Goodluck R, Morant R, **Williams NP**, McFarlane MEC, Plummer JM, Leake PA. “Colonic Diaphragm in a patient with rheumatoid arthritis – A case report from the Caribbean” *West Indian Medical Journal* DOI: 10.7727/wimj.2015.488
- Forde R, **Williams N.** “Squamous cell carcinoma in a thyroglossal duct cyst: A Caribbean case report” *West Indian Medical Journal* DOI:1-.7727/10.7727/wimj.2015.049
- Forde R, **Williams N**, Leake P, Ferron-Boothe D, Meeks-Aitken N, Mitchell DI, McFarlane ME, East J. “Surgical quality in colorectal cancer” *Annals of Medicine and Surgery* (2016) 5:52–56

- Thomas P, Gossell-Williams M, McKenzie K, McGrowder D, Martin J, Abel W. “Cannabis potentiates transient elevations of aspartate aminotransferase in schizophrenia patients prescribed risperidone”. *West Indian Medical Journal* 64 (2015), Suppl. 4: 29
- Badal SA, Aiken WD, Chin SN. “Molecular targets and angiogenesis in renal cell carcinoma, a multi-target approach: mini review” *Curr Drug Targets* 2016 May 2 PMID: 27138755 [impact factor 3.02]
- Chin SN, Walters CA, Williams E. “Breast Cancer Receptor Profiles in Jamaica: A 6-year Analysis” *West Indian Medical Journal* 2016, DOI: 110.7727/wimj.2016.067 [impact factor 0.33]
- Chin SN, Green C, Gordon-Strachan G, Wharfe G. “An Audit of Haematology/Oncology Clinic Services at an Urban Academic Hospital in Jamaica”. *West Indian Medical Journal* 2016, DOI: 10.7727/wimj.2013.329 [impact factor 0.33]
- Brady-West D, West W. “Comparison of Computed Tomography Pulmonary Angiograms at the University Hospital of the West Indies, Jamaica with Reported Cases in Literature” *West Indian Medical Journal*, DOI: 10.7727/wimj.2016.049
- Johnson P, Jaggon JR, Campbell J, Bruce C, Ferron-Boothe D, James K, Crandon I, Eldemire-Shearer D. “Profile of Malignant Brain Tumour in Jamaica: An eight-year review – 2005–2012”. *West Indian Medical Journal*, 2025, 64(4):372-375
- Adler E, Alexis, C, Ali Z, Allen U, Bartels U, Bick C, Bird-Compton J, Bodkyn C, Boyle B, DeYoung S, Fleming-Carroll B, Gupta S, Ingram-Martin P, Irwin M, Kirby-Allen M, McLean-Salmon S, Mihelcic P, Richards-Dawson M, Reece-Mills M, Shaikh F, Sinquee-Brown C, Thanme M, Weitzman S, Wharfe G, Blanchette V. (2015) “Bridging the Distance in the Caribbean: Telemedicine as a means to build capacity for care in paediatric cancer and blood disorders” *Studies in Health Technology and Informatics* 209
- Rawlings J, McGrowder D, Kampradi L, Ali A, Austin T, Beckles A, Dass R, Diaram M, Jahorie P, Mohammed M, Dialsingh I, “Attitudes towards Alzheimer’s disease among Medical and Non-Medical Students of University of the West Indies, Trinidad & Tobago”.

Journal of Clinical and Diagnostic Research 9(9): (2015) LC19 – LC26

- King-Robinson, K, Lee MG, Whittle D, Mills M, Hanchard B, Shah S. “Non-Alcoholic Fatty Liver Disease in a Jamaican Patient Population”. *West Indian Medical Journal* (2015) pii:wimj.2015.349.doi:107727/wimj.2015.349.[Epub ahead of print]

REFEREED JOURNAL ABSTRACTS

- Foster S, Omoruyi F, Dilworth L, Bustamante J, Alexander-Lindo R. “The effect of inositol hexakisphosphate (IP6) and inositol combination on renal and hepatic function and antioxidant status in streptozotocin-induced type 2 diabetes mellitus Sprague-Dawley rats”. *West Indian Medical Journal* 65 (1):34
- Foster SR, Alexander-Lindo RL, Dilworth L, Bustamante J, Omoruyi O. “Anti-diabetic properties of combined inositol hexakisphosphate (IP6) and inositol in streptozotocin-induced type 2 diabetes mellitus Sprague-Dawley rats”. “AACC Annual meeting abstracts, B-003. Pp 28
- Facey A, Irving R, Dilworth L. “The proposed use of basal lactate as a biochemical marker for type-2 *Diabetes development*”. Book of abstracts pp25
- Gardner N, Luke G, Wheatley A, De La Haye W, Lowe H, Bahadosingh P, Dilworth L, Salako-Akande A, Morrison E, Asemota H. “Nutritional supplements as a possible safe and cost-effective means of treating neurotransmitter imbalances associated with chronic cocaine dependence”. Book of abstracts pp21
- Foster SR, Dilworth LL, Omoruyi O, Bustamante J, Alexander-Lindo RL. “Inositol Hexakisphosphate (IP6) and Inositol Combination Lowers Fluid and Food Intake in Type 2 Diabetes Mellitus Sprague-Dawley Rats”. *West Indian Medical Journal* Volume 64 (2015) suppl. 4:26
- Kosar, C, Thompson R, Somers G, de Silva N, Fitzgerald K, Steinberg K, Courtney-Martin G, Wales PW, Avitzur Y. “Persistence

of Hepatic Fibrosis in Pediatric Intestinal Failure Patients Treated with Intravenous Fish Oil Emulsion [Group for Improvement of Intestinal Function and Treatment GIFT]”; Division of Pathology; Division of General Surgery; Division of Gastroenterology, Hepatology and Nutrition, The Hospital for Sick Children, Toronto, Canada]

PUBLIC SERVICE

Dr. D. McGrowder

- Vice President, Laboratory Association of Jamaica.
- Member, Accreditation Evaluation Committee, Jamaica National Agency for Accreditation (JANAAC)

Professor B. Hanchard

- Member of Board of Directors, Jamaica Cancer Society
- Cytopathology Consultant, Jamaica Cancer Society

Professor C. Escoffery

- Cytopathology Consultant, Jamaica Cancer Society

Dr. K Bishop

- Cytopathology Consultant, Jamaica Cancer Society

Dr. S. Shirley

- Cytopathology Consultant, Jamaica Cancer Society

Dr. M Bromfield

- Cytopathology Consultant, Jamaica Cancer Society

Dr. T. Gibson

- Cytopathology Consultant, Jamaica Cancer Society

Dr. L Dilworth

- Board Member, North Eastern Health Regional Authority
- Board Member, University Council of Jamaica

Department of Pathology

- Board Member, The Council of Community Colleges of Jamaica

Dr. N. Williams

- Cytopathology Consultant, Jamaica Cancer Society

Dr. J. Jaggon

- Cytopathology Consultant, Jamaica Cancer Society

Dr. S. Chin

- Treasurer, Association of Consultant Physicians of Jamaica

DISTINGUISHED VISITORS TO THE DEPARTMENT

- Professor Robert Riddell, Department of Pathology, Mount Sinai Hospital, Toronto Canada
- Dr. Toon Min, Cytogeneticist, The Royal Marsden Hospital, United Kingdom

AWARDS

Student – Graduate

Aldeam Facey (PhD student) – Postgraduate award scholarship from Graduate Studies and Research, UWI, Mona, J\$800,000.

Students – Undergraduate

Eden Forbes - Pathology/Microbiology Medal (Best Overall Performance)
S.E.H. Brooks Book Prize (Best Overall Performance) Louis Grant
Microbiology Prize

DEPARTMENT OF SURGERY, RADIOLOGY, ANAESTHESIA & INTENSIVE CARE



**Professor Newton Duncan, MBBS, DM (General Surgery), FACS
Head of Department**

WORK IN THE DEPARTMENT

During the year 2015–2016, over 1,290 undergraduate and postgraduate students rotated through the Department of Surgery, Radiology, Anaesthesia and Intensive Care. Doctor of Medicine postgraduate training programmes continued in General Surgery, Orthopaedics, Neurosurgery, Urology, Paediatric Surgery, Cardiothoracic Surgery, Ophthalmology, Otorhinolaryngology, Radiology, Anaesthesia and Emergency Medicine. Doctor of Medicine Plastic Surgical training at Mona, commenced in July 2016 with an intake of three Residents. Training in this new programme is under the supervision of Dr Rajeev Venugopal, newly appointed Lecturer in Plastic Surgery. Drs Guyan Arcscott and Geoffrey Williams, senior plastic surgeons and Associate

Lecturers, complete the academic faculty for Plastic Surgery. The Department also conducted The Advanced Trauma Life Support (ATLS) training course to two groups over this period.

Along with the University Hospital of the West Indies, there are six non-UHWI clinical training sites presently providing for academic surgery instruction: Cornwall Regional Hospital, Kingston Public Hospital, Mandeville Regional Hospital, May Pen Hospital, Spanish Town Hospital and the St. Ann's Bay Hospital. These sites continue to add richly to the diverse clinical experience available to undergraduates and postgraduates. Overseas Elective students came from Caribbean territories, the United Kingdom, Germany, Canada, and the United States of America. The surgical specialties are the highly most sought after for elective experience. Elective students mostly are integrated into surgical clerkships which usually extend over a 5 or 10-week period and all are also mentored by senior academic surgeons while in the Department.

The Pre Hospital Emergency Medical Service (PHEMS) programme will submit its completed BSc in Paramedic Medicine Degree curriculum to the Board of Undergraduate Studies for approval in the year 2017. This programme falls under the direction of Dr. Shuvra Dasgupta, Consultant in Emergency Medicine. Mr Ryan Rufus will be a critical resource person working along with Dr Dasgupta in this degree programme.

The Department hosted in July 2016, the 15th JMMB Group and Joan Duncan Foundation sponsored, William Dennis Memorial Lecture. The Lecture was chaired by Professor Barrie Hanchard and was delivered by Dr Alison Nicholson, Head of the Department of Microbiology, Faculty of Medical Sciences, UWI, Mona. Dr Nicholson's lecture was entitled, "Health Care Associated Infections, Prevention Better than Cure".

The 14th staging of the Caribbean Neurosciences Symposium and Charity Golf Tournament was held in January 2016 at the Montego Bay Convention Centre and Half Moon Hotel and Resort. This conference again was the result of the collaborative efforts of neurosurgeons Dr. Carl Bruce and Professor Ivor Crandon. Funds were generated to purchase: anterior cervical disc replacement instruments; minimal invasive spinal

instruments; donated a CMac video laryngoscope to the Department of Anaesthetics and Intensive Care (UHWI); and solicited donations from the private sector to restore ICU ventilators.

Dr. Peter Johnson who completed a one year Fellowship in Neuroradiology at the Schulich School of Medicine and Dentistry, Western University, Ontario, Canada, has since been promoted to Senior Lecturer in Radiology. Dr. William Aiken, also a recently promoted Senior Lecturer in Urology, proceeds on a one year Sabbatical, commencing August 1, 2016.

Dr. Joseph Plummer, Senior Lecturer in the General Surgery and a specialist colorectal surgeon, copped the prestigious American College of Surgeons (ACS), International Guest Scholar Award for 2016. This is the second time that a lecturer in the UWI Department of Surgery, Radiology, Anaesthesia and Intensive Care, Mona, has won this award; the first being Professor Newton Duncan in 1996. The ACS Guest Scholar Award offered by the Board of Regents of the American College of Surgeons, allows young surgeons of promise to gain experience at Academic training centres in North America and Canada. Dr Plummer will be attached to the following premier surgical centres: Florida Hospital and the Cleveland Clinic.

The Section of Anaesthesia & Intensive Care, staged its 26th Annual Residents' Symposium under the theme, "Cannabis and its Derivatives: The Impact on Health Care" on April 15, 2016. The 1st cohort accepted to the Clinical Fellowship in Critical Care Medicine in the Section of Anaesthesia will complete training in May/June 2017. This programme so far has been a success.

DEPARTMENTAL STAFF MOVEMENTS

Tenure

- Dr. Belinda Morrison: renewal of contract with indefinite tenure and crossing the merit bar
- Dr. Sundeep Shah: renewal of contract with indefinite tenure

Promotions

- Dr. Peter Johnson: Senior Lecturer
- Dr. William Aiken: Senior Lecturer

Employee Development

Masters in Epidemiology

- Dr. Wayne Palmer – Enrolled at UWI

Phd

- Dr. Belinda Morrison – Enrolled at TMRI

Research Fellowship

- Dr. Deanne Soares done at TMRI, September 1, 2014–August 31, 2016

The Department maintains three Academic Research Registries:

1. The Trauma Registry

Over 19,574 records which continue to provide ample research material for injury related studies.

2. The Intracranial Tumour Registry

Based in the Section of Surgery's Research Office is constituted of over 984 patient records, utilising the software CNExT. This project is a collaborative effort between the UHWI Neurosurgery Service in the Section of Surgery and the Sections of Radiology and Histopathology, UHWI Mona. Its aim is to create a radio-clinico-pathological database of intracranial tumours.

3. The Colorectal Cancer Registry

This registry maintains a data base on all cases of colorectal cancer sourced from major health facilities across Jamaica. To date over 1,194 cases have been recorded since its inception in January 2011. This data allows for evidence-based research in the diagnosis and treatment of colon cancer.

PAPERS PRESENTED

Major conferences / seminars

- **Mowatt L.** “Sub threshold Micropulse laser versus Anti VEGF Drugs.” Ophthalmological Society of the West Indies (OSWI). Barbados. July 13, 2016
- **Mowatt L.** “Concurrent Sickle cell and Diabetes Retinopathy.” Ophthalmological Society of Jamaica (OSJ), Pegasus, April 24, 2016
- **Mowatt L.** “Micro incisional Vitrectomy Surgery.” Ophthalmological Society of Jamaica (OSJ), Pegasus, April 24, 2016
- **Mowatt L.** “Pattern Scanning Micropulse laser.” How I do it. Ophthalmological Society of Jamaica (OSJ), Pegasus, April 24, 2016
- **Mowatt L.** “Management of the ruptured globe. “Latest Updates in Ophthalmology Conference. Accra Beach Hotel, Barbados. (invited speaker) February 20, 2016.
- **Mowatt L.** “Concurrent DM and SCD: Does it make the retinopathy worse.” Latest Updates in Ophthalmology Conference. Accra Beach Hotel, Barbados. (invited speaker) February 20, 2016.
- **Mowatt L.** “Retinal Vein Occlusion Updates.” Latest Updates in Ophthalmology Conference. Accra Beach Hotel, Barbados. (invited speaker) February 20, 2016.
- **Mowatt L.** Workshop on Optical Coherence Tomogram (OCT). Queen Elizabeth Hospital, Barbados, (invited speaker) February 18, 2016
- **Mowatt L, Watkins M.** “Caribbean Model for training the Eye Care Team.” World Ophthalmology Congress (WOC), Guadalajara Mexico, (invited speaker) February 8, 2016
- **Mowatt L.** “Concurrent Sickle Cell Disease and Diabetic Retinopathy.” World Ophthalmology Congress (WOC), Guadalajara Mexico, (invited speaker) February 7, 2016
- **Mowatt L.** “Ocular Trauma at the UHWI – past 10 years.” 14th Annual Caribbean Neurosciences Symposium (CANS). Montego

Bay Conference Centre. January 30, 2016.

- **Swaby D.** “Trabeculectomies revisited.” Ophthalmological Society of Jamaica (OSJ), April 24, 2016.
- **Vaughan H.** “Monoclonal Antibodies: What are they, what do they do?” April 24, 2016. Ophthalmological Society of Jamaica (OSJ)
- **Vaughan H.** “Revisiting Pneumatic Retinopathy.” Ophthalmological Society of Jamaica (OSJ), Pegasus, April 24, 2016
- **Vaughan H.** “Revisiting Pneumatic Retinopathy.”. Ophthalmological Society of the West Indies (OSWI). Barbados. July 13, 2016
- **Vaughan H.** “Monoclonal Antibodies: What are they, what do they do?” Ophthalmological Society of the West Indies, Barbados, July 12, 2016.
- **B Morrison** “Testosterone Replacement Therapy in Adolescents with Sickle Cell Disease Reverses Hypogonadism without Promoting Priapism: A Case Report” UWI, Faculty of Medical Sciences – Annual Research Conference, November 12, 2015
- **BF Morrison**, W Aiken, R Mayhew, Y Gordon, M Reid “Prostate cancer screening in Jamaica: results of the largest national screening clinic“, UWI, Faculty of Medical Sciences – Annual Research Conference, November 12, 2015
- **BF Morrison**, W D Aiken, R Mayhew, Y Gordon, F T Odedina “Prostate cancer knowledge, prevention and screening behaviours in Jamaican men”, UWI, Faculty of Medical Sciences – Annual Research Conference, November 12, 2015.
- Marie Brown, **Belinda F. Morrison**, Kathleen Coard, Marvin Reid “The outcome of atypical small acinar proliferation (ASAP) at the UHWI”, UWI, Faculty of Medical Sciences – Annual Research Conference, November 12, 2015
- **B Morrison** “Testosterone Replacement Therapy in Adolescents with Sickle Cell Disease Reverses Hypogonadism without Promoting Priapism: A Case Report.” Sexual Medicine Society of North America- Las Vegas, November 19–22, 2015
- **Morrison BF**, Hamilton P, Reid M “Effect of hydroxyurea on

- priapism in men with sickle cell disease”, Sexual Medicine Society of North America, Las Vegas – November 19–22, 2015
- **B Morrison**, U Anele, S Metzger, A Burnett “Validation of the Priapism Impact Profile Questionnaire, Sexual Medicine Society of North America, Las Vegas –November 19–22, 2015
 - **B Morrison**, “Priapism: A Major complication of Sickle Cell Disease” Caribbean Network of Researchers on Sickle Cell Disease and Thalassemia (CAREST), Jamaica Conference Centre, January 22, 2016
 - **B Morrison**, R Dixon, “The use of technology in the evaluation and treatment of sexual and fertility dysfunction in males with spinal cord injuries” Regional Disability Studies Conference, Mona Visitors Lodge, March 17, 2016
 - **B Morrison** “BPH, Erectile dysfunction and phosphodiesterase type 5 inhibitors”, Pharmaceutical Company Sponsored Meeting, Lilly, September 24, 2015
 - **B Morrison** “The Who, what and why of prostate cancer” Jamaica Cancer Society Annual Prostate Cancer Public Forum – Jamaica Pegasus Hotel, September 27, 2015
 - **B Morrison** “BPH, Erectile dysfunction and phosphodiesterase type 5 inhibitors” Pharmaceutical Company Sponsored Meeting, Lilly, October 2, 2015
 - **B Morrison** “Testosterone Replacement Therapy in Adolescents with Sickle Cell Disease Reverses Hypogonadism without Promoting Priapism: A Case Report” Department of Surgery Research Evening, October 23, 2015
 - **B Morrison** “Sexual and Fertility Dysfunction in Spinal Cord Injured Patients” Caribbean Association of Neurosurgeons (CANS) , January 31, 2016
 - **B Morrison** “Female Urinary Retention at the University Hospital of the West Indies: A Challenging Diagnosis” Jamaica Urological Society Annual Symposium, March 6, 2016
 - **B Morrison** “New treatment options in the management of BPH”

Health Brands Pharmacist Continuing Education Seminar, March 20, 2016

- **B Morrison** “Tobacco and urothelial malignancies” KSA Primary Care Doctors Association CME, May 12, 2016
- **B Morrison** “Open versus assisted robotic laparoscopic prostatectomy: functional and oncological outcomes” Association of Surgeons of Jamaica (ASJ), May 14, 2016
- **B Morrison** “Aging, testosterone deficiency and erectile dysfunction” Medical Association of Jamaica, June 28, 2016
- **D Soares** “Moyamoya, stroke and stroke prevention in SCD, two clinical trials”, 23rd Annual Congress-Caribbean Society of Radiologists, St Vincent and the Grenadines. July 2016
- **D Soares** “Breast Imaging at the UHWI: A 10 year review” 23rd Annual Congress-Caribbean Society of Radiologists, St Vincent and the Grenadines. July 2016
- **Johnson P** “Intra-arterial Stroke Therapy”. Jamaica Association of Radiologists Symposium, Knutsford Hotel, September 20, 2015.
- **Roberts P** “Sentinel Lymph Node Biopsy – The Jamaican Experience” Jamaica Association of Radiologists Symposium, Knutsford Hotel, September 20, 2015.
- **McGaw CD** “Outcome of Coronary Artery Bypass Graft Surgery Performed at the University Hospital of the West Indies, Mona, Jamaica”. University of the West Indies, Faculty of Medical Sciences Teaching & Research Complex, 27th Clinical Research Meeting, October 23, 2015.
- **Bruce C et al** “Percutaneous Pedicle Screw has Supplanted Open Surgery” University of the West Indies, Faculty of Medical Sciences Teaching & Research Complex, 27th Clinical Research Meeting, October 23, 2015.
- **Morrison B** “Testosterone Replacement Therapy in Adolescents with Sick Cell Disease Reverses Hypogonadism without Priapism.” University of the West Indies, Faculty of Medical Sciences Teaching & Research Complex, 27th Clinical Research Meeting, October 23, 2015.

- **Plummer J** “Colorectal Cancer at the Extreme of Ages”. University of the West Indies, Faculty of Medical Sciences Teaching & Research Complex, 27th Clinical Research Meeting, October 23, 2015.
- **Aiken W** “Role of Premarin vs. Ketoconazole in Castrate Resistant Prostate Cancer” The Association of Surgeons in Jamaica, 58th Annual Conference, Knutsford Court Hotel, May 14 & 15, 2016
- **Plummer J** “A Look at the Surgical and Pathological Management of Colorectal Cancer across Different Institutions” The Association of Surgeons in Jamaica, 58th Annual Conference, Knutsford Court Hotel, May 14 & 15, 2016
- **Newnham M** “Current Role of Prophylactic Mastectomy” The Association of Surgeons in Jamaica, 58th Annual Conference, Knutsford Court Hotel, May 14 & 15, 2016
- **Johnson P** ” The Jamaica Dementia Project: Initial Imaging Data”. University of the West Indies, Faculty of Medical Sciences Teaching & Research Complex, 27th Clinical Research Meeting, October 23, 2015.
- **Roberts P** “Early Versus Late Detection and Management of Breast Cancer, The Surgeon’s Perspective”. Jamaica Cancer Society Breast Cancer Medical Conference, October 25, 2015.
- **Bruce C** “Concussion in Sports”. JCUA Annual Training Retreat, Sunspree Resort, Holiday Inn, Montego Bay, November 13–15, 2015.
- **Aiken W** ”Screening for Prostate Cancer in the Caribbean.” Society for Scientific Advancement, Mona Visitors’ Lodge, November 20, 2015
- **Williams, E** “Emergency Medicine in Jamaica: Looking back and moving forward”. Emergency Medicine Conference, Havana, Cuba, September 13, 2015
- **PA Leake, PJ Toppin, M, Reid, JM Plummer, M Newnham, H Harding-Goldson, D Ferron-Boothe, N Meeks-Aitken, ME McFarlane.** “Improving patient outcomes with inguinal hernioplasty – local anaesthesia versus local anaesthesia and conscious sedation”. The

24th Annual Research Conference, Faculty of Medical Sciences, University of the West Indies, November 8, 11–13, 2015

- **S French** “Level I ED US” course held on October 3rd 2015; UHW, Mona E Williams “Emergency Medicine in Jamaica: Looking Back and Moving Forward: Developing EM in the region”: Melia Cohiba Hotel Havana, Cuba. September 13, 2015
- **E Williams.** “Cardiac Anatomy and Physiology”: ECG Arrhythmia course: Heart Foundation of Jamaica, Beechwood Avenue, September 2015
- **S French** “Making the case for ultrasound in the Emergency Department” Jamaica Emergency Medicine Association Conference, Pegasus Hotel, March 2016
- **R Hutson** “The use of lumbar puncture to evaluate the child with a first febrile seizure” Jamaica Emergency Medicine Association Conference, Pegasus Hotel, March 2016
- **R Edwards** “Clarifying sepsis” Jamaica Emergency Medicine Association Conference, Pegasus Hotel, March 2016
- **J Williams Johnson** “CRASH I, II &III” Jamaica Emergency Medicine Association Conference, Pegasus Hotel, March 2016
- **C. Maycock** “Evidenced based management of Acute Heart Failure” Jamaica Emergency Medicine Association Conference, Pegasus Hotel, March 2016
- **C Bruce** “First Aid and Concussion Management” Chris Gayle Foundation Workshop, Excelsior High School, November 10, 2015
- **C Bruce** “Concussion in Sports” Jamaica Cricket Umpires Association Conference, Holiday Inn Resort, Montego Bay, November 14, 2015
- **C Bruce, H Harding, M Morgan, D Ann Rowe, Rochelle Prince** “Cortical Screws for Lumbar Degenerative Disease in Evolution of LES Surgery: Towards Dynamic Motion Segment Replacement – The case for Multilevel Arthroplasty” Bi-annual Conference of the WFNS Spine Committee, Cartagena, Colombia, September 9, 2015
- **C Bruce** “First Aid and Concussion Management” Chris Gayle Foundation Workshop, Excelsior High School, November 10, 2015

- **C Bruce** “Concussion in Sports” Jamaica Cricket Umpires Association Conference, Holiday Inn Resort, Montego Bay, November 14, 2015
- **C Bruce**, Hyacinth Harding, Mark Morgan, Daidre Ann Rowe, Rochelle Prince “Cortical Screws for Lumbar Degenerative Disease in Evolution of LES Surgery: Towards Dynamic Motion Segment Replacement – The case for Multilevel Arthroplasty” Bi-annual Conference of the WFNS Spine Committee, Cartagena, Colombia, September 9, 2015
- **C Bruce** “Management of Painful Spinal Conditions Classification and Management of Various Arthritides” The Association of General Practitioners in Jamaica (AGPJ), The Alhambra Hotel, December 7, 2015
- **P Roberts** “Role of the Trauma Surgeon in Producing Good Rehab Candidates. Or is there one?” The Caribbean Neurological Association 14th Annual Caribbean Neurosciences Symposium, Montego Bay Convention Center, January 28–31, 2016
- **P Johnson** “Endovascular Treatment of Intracranial Aneurysms” The Caribbean Neurological Association 14th Annual Caribbean Neurosciences Symposium, Montego Bay Convention Center, January 28–31, 2016
- **H Brown** “Chronic Venous Insufficiency: Is it Such a Vain Problem?” The Caribbean Neurological Association 14th Annual Caribbean Neurosciences Symposium, Montego Bay Convention Center, January 28–31, 2016
- **J Plummer** “The Epidemiology of Trauma... The Jamaica Trauma Registry Experience” The Caribbean Neurological Association 14th Annual Caribbean Neurosciences Symposium, Montego Bay Convention Center, January 28–31, 2016
- **M Newnham** “Trauma, A Systematic Approach” The Caribbean Neurological Association 14th Annual Caribbean Neurosciences Symposium, Montego Bay Convention Center, January 28–31, 2016
- **L Doonquah** “Orbital Fractures” The Caribbean Neurological

Association 14th Annual Caribbean Neurosciences Symposium, Montego Bay Convention Center, January 28–31, 2016

- **J Toppin** “Trauma Admissions to the ICU – Who Lives, Who Dies?” The Caribbean Neurological Association 14th Annual Caribbean Neurosciences Symposium, Montego Bay Convention Center, January 28–31, 2016
- **J Blidgen** “Fatality after Cardiac Injury” The Caribbean Neurological Association 14th Annual Caribbean Neurosciences Symposium, Montego Bay Convention Center, January 28–31, 2016
- **R Venugopal** “To Reimplant or Not. That is the Question.” The Caribbean Neurological Association 14th Annual Caribbean Neurosciences Symposium, Montego Bay Convention Center, January 28–31, 2016

POSTER PRESENTATIONS

- **B Morrison** “Testosterone Replacement Therapy in Adolescents with Sickle Cell Disease Reverses Hypogonadism without Promoting Priapism: A Case Report”, UWI, Faculty of Medical Sciences, Annual Research Conference, November 12, 2015 & on November 19–22, 2015 at the Sexual Medicine Society of North America, Las Vegas.
- **BF Morrison**, W Aiken, R Mayhew, Y Gordon, M Reid “Prostate cancer screening in Jamaica: results of the largest national screening clinic”, UWI, Faculty of Medical Sciences, Annual Research Conference- November 12, 2015
- **BF Morrison**, W D Aiken, R Mayhew, Y Gordon, F T Odedina “Prostate cancer knowledge, prevention and screening behaviours in Jamaican men”, UWI, Faculty of Medical Sciences, Annual Research Conference, November 12, 2015
- Marie Brown, **Belinda F. Morrison**, Kathleen Coard, Marvin Reid “The outcome of atypical small acinar proliferation (ASAP) at the UHWI”, UWI, Faculty of Medical Sciences, Annual Research Conference, November 12, 2015
- **Morrison BF**, Hamilton P, Reid M “Effect of hydroxyurea on

- priapism in men with sickle cell disease” Sexual Medicine Society of North America, Las Vegas, November 19–22, 2015
- **B Morrison**, U Anele, S Metzger, A Burnett “Validation of the Priapism Impact Profile Questionnaire, Sexual Medicine Society of North America- Las Vegas, November 19–22, 2015
 - **B Morrison** “Priapism: A Major complication of Sickle Cell Disease” Caribbean Network of Researchers on Sickle Cell Disease and Thallasemia (CAREST), Jamaica Conference Centre, January 22, 2016
 - **B Morrison**, R Dixon “The use of technology in the evaluation and treatment of sexual and fertility dysfunction in males with spinal cord injuries” Regional Disability Studies Conference, Mona Visitors Lodge, March 17, 2016
 - A Rankine-Mullings, C. Little, M. Reid, D Soares, C. Taylor Bryan, J. Knight-Madden, R.Ware, et al, “Expanding Treatment for Existing Neurological Disease (EXTEND): An Open-label Phase II Clinical Trial of Hydroxyurea Treatment in Sickle Cell Anemia” 4th Caribbean Conference on Sickle Cell Disease, Jamaica Conference Centre, January 2016

Refereed Journal Articles

- Foster T, **Mowatt L**, Mullings J. “Knowledge, Beliefs and Practices of Patients with Diabetic Retinopathy at the University Hospital of the West Indies, Jamaica”. *J Community Health*. 2016 Jun;41(3):584–92
- **Mowatt L**, Mitchell P, Peto T, Zondervan M. “Launch of the Diabetic Retinopathy Screening Services in UHWI, Jamaica”. *Eye News*. July 2016
- Wong DP, Morrison BF, Mayhew RG, Reid GA, Aiken WD “A delayed foreskin-sparing approach to the management of penile fractures in uncircumcised Jamaican men” *Int J Surg Case Rep*. 2015; 17:65-8 (Impact Factor- 0.634)
- **Morrison BF**, Madden W, Clato-Day S, Gabay L “Testosterone

Replacement Therapy in Adolescents with Sickle Cell Disease Reverses Hypogonadism without Promoting Priapism: A Case Report” *Urol Case Rep.* 2015 Aug 12; 3(6):179-80 (Impact Factor not yet cited)

- **Morrison BF, Aiken WD, Mayhew R, Gordon Y, Odedina FT** “Prostate Cancer Knowledge, Prevention, and Screening Behaviors in Jamaican Men” *J Cancer Educ.* 2016 Feb 3 (Impact Factor- 1.23)
- **Morrison BF, Aiken W, Mayhew R, Gordon Y and Reid M** “Prostate Cancer Screening in Jamaica: Results of the Largest National Screening Clinic” *J Cancer Epidemiology.* <http://dx.doi.org/10.1155/2016/2606805> Epub 2016 Feb 29
- **R Forde, R. Cargill, A Batchelor, EW Williams.** “Adult Epistaxis, Epidemiology and Management at the University Hospital of the West Indies” *WIMJ.* 11/2015; DOI:10.7727/wimj.2015.007
- **R Forde, A Batchelor, EW Williams** “Acute Complicated Sinusitis : 10-year experience from the University Hospital of the West Indies (UHWI)” *WIMJ* 11/2015;DOI:10.7727/wimj.2015.156
- **TN Gibson, SE Shirley, EW Williams, A Rhudd, S French, R Hibbert** “Discrepancies between Clinical and Autopsy Diagnoses in the Emergency, Department of the University Hospital of the West Indies” DOI: *WIMJ* 10.7727/wimj.2015.192
- **J Hankins, B McCarville, A Rankine-Mullings, M Reid, C Lobo, P Moura, S. Ali, D. Soares, K Aldred R. Ware et al** “Prevention of Conversion to Abnormal TCD with Hydroxyurea In Sickle Cell Anemia: A PHASE III International Randomized Clinical Trial” *American Journal of Hematology,* September 2015
- “Expanding Treatment for Existing Neurological Disease (EXTEND): An open-label phase II clinical trial of hydroxyurea treatment in sickle cell anemia” **A Rankine-Mullings, C. Little, M. Reid, D Soares, C. Taylor Bryan, J. Knight-Madden, R.Ware.et al** *Journal of Medical Internet Research Protocols,* 2016 | vol. 5 | iss. 3 | e185
- **R. Bullock, DP. Soares, D. Sawh,** “Sonographic Demonstration of A Gastrocnemius Fascial Defect – A Rare Cause Of Calf Pain” *WIMJ* DOI: 10.7727/wimj.2016.354.

- **Leake PA, Roberts PO, Pitzul K, Plummer JM** “Should Delayed Cholecystectomy Following Acute Calculous Cholecystitis be Discouraged in a Resource-restricted Setting?” *West Indian Med J* 2015; 64(4):388-392
- **Aiken WD** “Chikungunya Virus Infection and Acute Elevation of Serum Prostate-Specific Antigen” *Case Reports in Urology*. DOI:10.1155/2015/120535
- **Calder JM, Calder DN** “Chikungunya Fever: a new concern for the Western Hemisphere” *The Open Infectious Diseases Journal*, 2015, 9, 13–19
- **Aiken WD** “Sneezing during micturition: a possible trigger of acute bacterial prostatitis” Hindawi Publishing Corporation, *Case Reports in Urology*. DOI: 10.1155/2015/626409

Abstracts

- **Mowatt L** "Subthreshold micropulse laser versus Intravitreal anti vascular Endothelial Growth Factor" *West Indian Medical J* 2016;85 (Suppl 4) 26
- **Vaughan H.** "Monoclonal Antibodies: What are they, What do they do?" *West Indian Med J* 2016;65 (Suppl 4) 14
- **Vaughan H.** "Revisiting Pneumatic Retinopexy." *West Indian Med J* 2016 65 (suppl 4) 26
- **Jordan V.** “Pterygium Surgery at KPH. How to mitigate Recurrence.” *West Indian Med J* 2016; 65 (Suppl 4) 16
- **Carl Brown, Diarmuid Denny, Shoma Khan, Annette Crawford-Sykes, John Lee.** “Can Pain Management Programmes be imported to the Caribbean” *British J of Pain*. ASM Poster Abstracts 2016

INCOME GENERATION

Donations – Division of Ophthalmology

September 2015:

Donation from the Vision 2020 Links Programme

- Topcon Fundus Camera

March 2016:

Donations from the Church of Latter Day Saints (estimated value JA \$10,000,000)

- Micropulse Pattern Scanning Laser
- Scan Optics Microscope

April 2016:

Donation from the Chinese Embassy

- Keeler, Cryotherapy machine (value USD\$20,000)

Donations – Caribbean Neurosciences Symposium and Charity Golf Tournament (January 2016)

- Anterior cervical disc replacement instruments
- Minimal invasive spinal instruments
- Donated a CMac video laryngoscope to the Department of Anaesthetics and Intensive Care
- Solicited donations from the private sector to restore ICU ventilators

HONOURS AND AWARDS

The Charles Drake Medal

Professor Renn Holness

- The Canadian Neurosurgical Society (CNSS) selected Professor Renn Holness to receive its Lifetime Achievement Award, The Charles Drake Medal, in recognition of his outstanding career and significant contribution to Neurosurgery.

The Order of Jamaica

Professor Renn Holness

- For Outstanding Contribution in the field of Medicine in particular Neurosurgery

Order of Distinction in The Rank of Commander Class (CD)

Professor Michael McFarlane

- For Outstanding Contribution in the field of Medicine

Dr. Donovan Calder

- For Outstanding Service in the fields of Ophthalmology and Research

Governor General Award for Excellence

Dr. Carl Bruce

PUBLIC SERVICE

Dr. Wayne Palmer

- General Secretary of the Jamaica Cycling Federation
- Member, Board, Caribbean Orthopaedic Association

Dr. Romaine Edwards

- Assistant Honorary Secretary of the Medical Association of Jamaica (MAJ)

Dr. Simone French

- Member executive National Resuscitation Council of Jamaica
- President of the Jamaica Emergency Medicine Association

Dr Celeste Maycock

- Immediate Past President of the Jamaica Emergency Medicine Association

Dr. Rhonda Hutson

- Member executive the Jamaica Association of Sports Medicine (JASM)

Dr. Praimanand Singh

- President Jamaica Association of Sports Medicine (JASM)
- Member of the Jamaica National Council on Sports
- Member Board of the Jamaica Olympic Association
- Lead Physician of the Jamaica Team to the Rio Olympics 2016

Dr. Eric Williams

- Voluntary service to the Gibson Home

Dr. Jean Williams Johnson

- Member executive Caribbean Poison Information Centre (CARPIN)
- Member executive Jamaica Association of Sports Medicine (JASM)
- Member executive National Resuscitation Council of Jamaica

Dr. Ingrid Tennant

- Secretary – Jamaica Anaesthetist Association

Dr. Patrick J Toppin

- Medical Director of the UWI Student Emergency Response Team (UWISERT)
- Member of the Jamaica Association of Sports Medicine
- Provider of medical care and education for the UWI August Town Outreach project
- Member of the Violence Prevention Alliance

Dr. Myrton Smith

- President – Medical Association of Jamaica
- President – Jamaica Otolaryngology Association – Head & Neck Surgeons
- President – Association of UWI Associate Lecturers

Dr. Carl Bruce

- Chairman of Ministry of Health Taskforce – October 2015
- Report on Findings and Recommendations from the Taskforce on Options to Improve the Delivery and Availability of Medical Services in the Health Sector
- Chairman, Ministry of Health Telemedicine subcommittee May 2016
- Chair, Ministry of Health Equipment Standardization Subcommittee May 2016
- Chairman, Medical Committee Racers Grand Prix – RACERS GRAND PRIX 2016
- Chairman, JAAA Medical and Anti-Doping Commission
- Team Doctor Jamaica Olympic track and Field team Rio Brazil July/August 2016
- Member, Spine Committee World Federation of Neurosurgeons (WFNS)
- Member, Board, University Hospital of the West Indies

- Executive member of Sport Committee Manchester High School
- Executive member, Strategic Development Policy Committee, UHWI
- Member, Mona Health Committee

Professor Ivor Crandon

- Member, Disciplinary Panel, JADCO
- Member, Board, BioTec R&D
- Member, Board, JIPA

Dr Lizette Mowatt

- President – Ophthalmological Society of Jamaica (OSJ)
- Immediate Past President – Ophthalmological Society of the West Indies (OSWI)
- Co-chair – Vision 2020 Advisory Committee – (Ministry of Health)
- Co-Chair – Technical Advisory Committee for the Jamaica National Diabetic Retinopathy Screening Programme (Ministry of Health)
- Advisor – Ministry of Health (MoH) on the Amendments of the Optician's Act of 1926
- Examination Co-coordinator – International Council of Ophthalmology (ICO) exams in Jamaica
- Assessor in the Certificate of Higher Education on Diabetic Retinopathy Screening – University of Gloucester

Dr Hugh Vaughan

- National Health Fund (NHF) Expert Panel of Physicians (Ophthalmology)
- Member, MSD International Advisory Board
- Dr Ena Thomas Memorial Trustee
- Jamaica Society for the Blind- Resource person
- Member of the Board of Governors, Kingston College
- Choir Committee, Kingston College

Professor Michael McFarlane

- Examiner, Caribbean Medical Council Examinations
- Honorary Consultant Jamaica Cancer Society
- Member of the Board Jamaica Cancer Society
- President American College of Surgeons (Jamaica Chapter)
- Governor American College of Surgeons (Jamaica Chapter)

THE UWI SCHOOL OF NURSING (UWISON), MONA



Dr. Steve Weaver, RN, Cert. of Nursing Ed., BScN, MPH, PhD
Head of School

HIGHLIGHTS OF THE WORK IN THE SCHOOL

The 2015/16 academic year was one of transition and rebuilding for the UWI School of Nursing. During the year in review, the School had some challenges and successes. The Syringa Marshall Burnett Lecture was held on May 27, 2016 in memory of Mrs. Marshall-Burnett who passed on October 10, 2014, and for her contribution to the nursing profession. The Keynote Speaker was Professor Kathryn A. Smith Higuchi, Adjunct Professor, University of Ottawa, Canada. She presented on 'Ensuring Successful Translation of Evidence into Practice', with the goal being to provide insight into the process and factors which ensure the successful transfer of evidence into practice.

The School hosted the The 26th Nursing and Midwifery Research

Conference and 27th Mary J. Seivwright Day on May 26–27, 2016, under the theme “Translating Research Evidence into Best Practices: The key to healthy public and quality patient outcomes”. The Keynote Speaker was Dr. Irmagean Bajnok, Director, Registered Nurses Association of Ontario (RNAO) International Affairs and Best Practice Guidelines Programs and Co-director, Nursing Best Practice Research Centre (NBPRC), Canada. She delivered on Transforming Nursing Through Knowledge: Championing Leaders in Evidence-Based Practice. The presentation highlighted the meaning of evidence based practice, education and management decision making, and why embracing evidence is critically important for nursing and health care today and into the future. There were approximately 225 attendees on each day, which included health care professionals and students from across the region, as well as the United States of America, South Africa and Canada. The Research Conference had a total of seven (7) sessions which featured a total of nineteen (19) Scientific Presentations from nursing professionals, graduate and undergraduate students on both days.

The International Research Internship was held on May 30–June 24, 2016. There were seventeen (17) participants; four of whom were from the Bahamas and one from Trinidad, all other participants were Jamaicans. There were four (4) mentors which included two post doctoral students from the University of Ottawa, Canada. Over the four week period interns attended presentations on conducting research. Each intern was given the opportunity to present their work in progress (WIP) and received feedback from mentors and fellow interns. At the end of the internship each participant was given a certificate of completion with the Continuing Education hours. The participants were asked to evaluate the training on the final day. The internship was held at the UWI School of Nursing, Mona, utilizing the lecture theatres.

The programme was supported by professors throughout the region and was not necessarily focused on nursing but on the broader issue of social determinants of health in the Region. International presenters included: Professor Nancy Edwards, University of Ottawa and Dr. Donald Simeon from the Caribbean Public Health Agency. There were also presenters

from the Faculties of Medical Sciences and Social Sciences, UWI Medical Library as well as from the Planning Institute of Jamaica.

The Global Alliance for Chronic Diseases Implementation Workshop was held on June 8, 2016. This workshop was conducted by Professor Nancy Edwards, Scientific Director of the Canadian Institute of Health Researchers, Institute of Population and Public Health. This event was advertised locally and within the region. A total of 46 individuals registered and attended. The participants included staff from: The UWI, Mona (including UWISON); TMRI, UWI Mona; The Ministry of Health; and The Centre for Chronic Diseases, UWI, Cave Hill.

On December 11, 2015 Mrs Cynthia Pitter (Lecturer, UWISON) and three midwifery educators from Jamaica conducted a one day Competency Based Education workshop with eight (8) participants from Jamaica. On June 19, 2016 the team conducted a second one day workshop at UWISON with twelve (12) MScN (Education) students. This was facilitated by C. Pitter, J. Welsh, P. Lovindeer and J. Brown-Boyd.

The CNNME met on a few times in 2015 under the guidance of Dr. Steve Weaver at the University of the West Indies School of Nursing (UWISON), Mona to revitalize the Network which was dormant and elect a new executive. Attendees were from Nursing and Midwifery education and practice settings within Jamaica. A new executive body was established and persons were elected as Chairs of the Committees of the CARICOM Network for Nursing & Midwifery Education. A meeting of the executive was held in September 2015, where executive members and committee chairpersons were apprised of the terms of reference for each committee.

Some notable students' achievements were that UWISON was again named the Nursing School of the year, Student Nurses were placed 1st and 2nd in the Student Nurse of The Year competition. Additionally, two UWISON students made the Dean's list and the pass rate for the Regional Examination for Nurse Registration (RENr) was increased from 68% to 87%. Two students received IES Scholarships for the 2015/16 Academic year. The UHWI Batch-61 Memorial Scholarship

Award provided a 1000 USD scholarship to one of our students, Miss April Tulloch. The award ceremony was held on May 30, 2015.

The School continues to expand its revenue streams by hosting groups of international students who are required to pay an administrative fee. For the 2015–16 academic year there was an increase in the number of International student visitors.

EXTERNAL COLLABORATORS

Institute for the International Education of Students

Faculty members and students from the Institute for the International Education of Students (IES) visited the School during the periods, December 2015 and April 2016. This was an observational visit where they were placed at three health centres in Kinston and St. Andrew over the period of three days. The IES has contributed significantly to the School's needy fund.

Registered Nurses' Association of Ontario (RNAO)

The UWI School of Nursing is partnering with the RNAO and the University Hospital of the West Indies to implement best practice guidelines to facilitate evidence based nursing care. UWISON was designated as an academic Best Practice Spotlight Organization (BPSO). The University Hospital of the West Indies has also submitted their own application to be designated as a clinical BPSO. UWISON and UHWI are working together on this application process.

University of Alberta

UWISON hosted a group of ten (10) nursing students and one (1) faculty member from the University of Alberta in 2015. The students were engaged in their final practicum course which aimed to further develop and focus their knowledge and application of nursing and practice in their areas of interest. They have successfully completed their course and reported that they enjoyed their experience here.

Other External Collaborators:

- Columbia University School of Nursing
- Kristianstad University
- Duke University
- University of Minnesota

Additional initiatives aimed at attracting income:

- We will be offering scaling up programmes to British Virgin Island which includes an upgrade from Associate's degree to Bachelor's degree, this will attract revenue.
- The School now has a summer programme which attracts revenues.
- MScN Curriculum Development
 - Adjunct Professor at the University of Ottawa and a Curriculum Specialist, Dr. Kathryn Higuchi, visited UWISON January 12–30, 2015, to provide guidance for the MScN curriculum review. Work is on-going and meetings are being held to complete this activity.
- Preparations for revising and offering the Professional Development Programmes are at an advanced stage.

These courses include:

- Critical Care Nursing
- Operating Theatre
- Accident and Emergency Care
- Midwifery (The Midwifery Curriculum has been granted approval from the Faculty Board Academic Quality Assurance Committee (AQAC), however, it is being refined for presentation to the Academic Board).
- Communications are well advanced for joint projects in Nursing Educators and Nursing Practitioners between UWISON and Montserrat, Guyana, St. Lucia, Belize, Suriname.

- Proposal from Birmingham City University to facilitate staff and students exchange programme.
- Academic Staff will visit Sweden and Birmingham on exchange programmes.
- Communications are well advanced for joint projects with Montserrat, Belize, Anguilla, St. Lucia and Guyana.

PUBLIC SERVICE

Outreach activities contributing to national and international development

- The School established a 'needy fund' to assist in providing support to students; this has been significantly helpful to students.
- Sigma Theta Tau chapter status is currently in review.
- The Head of School is the country representative on the Regional Nursing Body.
- Annual Health fair hosted by UWISON in collaboration with the Caribbean Honor Society of Nursing. Over 120 students received medical examinations for back-to-school.

Membership on National/Regional Committees

- **Anderson-Johnson, Pauline** – President, Caribbean Honor Society of Nursing; Member – Sigma Theta Tau International (Beta Tau Chapter)
- **Brown, Kimarie** – Expert Contributor – WHO's Global Survey on eHealth
- **Chisholm-Ford, Sandra** – Member – Caribbean Honour Society (Sigma Theta Tau International); Member – CARICOM Network for Nursing and Midwifery Education (CNNME)
- **Garriques-Lloyd, Sheryll** – Member – Caribbean Honour Society of Nursing (Sigma Theta Tau International); Member – CARICOM Network for Nursing and Midwifery Education (CNNME); Member – Jamaican Academy of Child and Adolescent Mental Health (JACAMH)

- **Kahwa, Eulalia** – Member of the Sigma Theta Tau International – Caribbean Honor Society of Nursing
- **Leslie, Kadene** – Caribbean Honor Society of Nursing; Member – Sigma Theta Tau International (Beta Tau Chapter)
- **Munroe, Dawn** – Member – Research Committee, The Nursing Council of Jamaica; Co-founder and Director of The Jamaica Parent School Ltd. (JAMPAS); Caribbean Honor Society of Nursing; Member – Sigma Theta Tau International (Beta Tau Chapter)
- **Newland, Kara** – Member, Nurses’ Association of Jamaica
- **Norman-McPherson** – Member of the Biennial Committee – Nursing Council of Jamaica; Secretary – CARICOM Network for Nursing & Midwifery Education
- **Pitter, Cynthia** – The Global Alliance for Nurses and Midwives; The Caribbean Regional Midwives Association; The Jamaica Midwives’ Association
- **Rhoden-Salmon, Donnahae** – Member of Toastmasters International Group; Volunteer Parent for the Child Development Agency
- **Stanley, Shaulene** – Caribbean Honor Society of Nursing; Member – Sigma Theta Tau International (Beta Tau Chapter) Chair – Subcommittee Caricom Regional Network for Nursing and Midwifery Educators
- **Swaby, Karozan** – Caribbean Honor Society of Nursing; Member – Sigma Theta Tau International (Beta Tau Chapter)
- **Walker, Melissa** – Member – Diabetes Educators of the Caribbean (DEC) Member – International Society for Pediatric and Adolescent Diabetes (ISPAD); Caribbean Honor Society of Nursing; Member – Sigma Theta Tau International (Beta Tau Chapter)
- **Wright-Myrie, Donnette** – Advisor to the National Police Youth Club Council and Community Safety and Security Branch of the JCF; Women’s Centre of Jamaica
- **Rae, Tania** – Caribbean Honor Society of Nursing; Member – Sigma Theta Tau International (Beta Tau Chapter)

PUBLICATION**Peer-reviewed Articles**

- Asnani, M., **Barton-Gooden, A.**, Grindley, M., & Knight-Madden, J. (2016). "Utility of paediatric quality of life and revised illness perception questionnaires in adolescents with sickle cell disease". *Vulnerable Children and Youth Studies*, 1–12. doi:10.1080/17450128.2016.1139222
- Edwards, N., Kaseje, **D.**, **Kahwa, E.**, Klopper, H. C., Mill, J., Webber, J., & Harrowing, J. (2016). "The impact of leadership hubs on the uptake of evidence-informed nursing practices and workplace policies for HIV care: a quasi-experimental study in Jamaica, Kenya, Uganda and South Africa." *Implementation Science*, 11(1), 1. doi: 10.1186/s13012-016-0478-3
- Ekpo, C. F., Duff, E. M., Bailey, E. Y., & **Lindo, J. L.** (2015). "Lived experiences of Jamaican hospital patients with delayed wound healing". *International Journal of Healthcare*, 2(1), 21–28. doi: 10.5430/ijh.v2n1p21
- Forrester, A. B., **Barton-Gooden, A.**, **Pitter, C.**, & **Lindo, J. L.** (2015). "The lived experiences of adolescents with sickle cell disease in Kingston, Jamaica". *International Journal of Qualitative Studies on Health and Well-being*, 10. doi:10.3402/qhw.v10.28104
- Graham, M. M., **Lindo, J.**, Bryan, V. D., & **Weaver, S.** (2016). "Factors associated with stress among second year student nurses during clinical training in Jamaica." *Journal of Professional Nursing*. doi:10.1016/j.profnurs.2016.01.004
- Lawal, J., **Weaver, S.**, Bryan, V., & **Lindo, J. L.** (2016). "Factors that influence the clinical learning experience of nursing students at a Caribbean school of nursing". *Journal of Nursing Education and Practice*, 6(4), 32-39. doi:10.5430/jnep.v6n4p32
- **Lindo, JLM, Stennett, R.**, Wilson, K., Barrett, K., Bunnaman, D., **Anderson-Johnson, P.**, **Waugh-Brown, V.** & Wint, Y. (Accepted June 2016). "An audit of Nursing Documentation at three Jamaican public hospitals". *Nursing Scholarship*. doi 10.1111/jnu.12234

- **Munroe, D.**, Bennett, J. & Johnson, R. (2016). “Measuring Self-efficacy for self-directed learning: An evaluation of the Hoban and Sersland Self-Efficacy for Self-Directed Learning Questionnaire”. *Caribbean Journal of Nursing*, 3(1); 36–58.
- Nesbeth, K. A. T., Samuels, L. A., Daley, C. N., Gossell-Williams, M., & Nesbeth, D. A. (2016). “Ptyalism in pregnancy—a review of epidemiology and practices”. *European Journal of Obstetrics & Gynecology and Reproductive Biology*, 198, 47-49. doi:10.1016/j.ejogrb.2015.12.022
- **Pitter, C.** (2016). “Midwives’ knowledge and attitudes when encountering Gender-Based Violence in their practice at a maternity-hospital in Kingston, Jamaica”. *International Journal of Qualitative Studies on Health and Well-being*, 11: 29358. doi:10.3402/qhw.v11.29358
- Riley-McHugh, D., **Hepburn Brown, C.** & Lindo, JLM. (2016). “Schizophrenia: its psychological effects on family caregivers.” *International Journal of Advanced Nursing Studies*, 5 (1), 96–101. doi: 10.14419/ijans.v5i1.5565

Books and Monographs

- Edwards, N., Owino Kaseje, DC. & **Kahwa E.** (2016). *Building and Evaluating Research Capacity in Healthcare Systems Case Studies and Innovative Models*. UCT Press, IDRC.
- **Kahwa, E.**, Edwards, N. Mortley, N. (2016) Research Capacity Building: Literature Review & Theoretical Framework: In Edwards, N; Kaseje,D; & Kahwa, E.(Eds) (2016). *Building and Evaluating Research Capacity in Healthcare Systems: Case Studies and Innovative Models*, UCT Press, Cape Town, South Africa.
- Bender, A., **Edwards, Kahwa, E.**, Kaseje D. (2016) Developing Capacity through a Participatory Action Research Approach.In Edwards, N; Kaseje,D; & Kahwa, E.(Eds) (2016). *Building and Evaluating Research Capacity in Healthcare Systems: Case Studies and Innovative Models*, UCT Press, Cape Town, South Africa.

Brief

- Nesbeth, K. A. T. (2016). Hand Hygiene Technology: A Brief Review of the State of the Art of Microbial Control in the Hospital Setting. *West Indian Medical Journal*, doi: 10.7727/wimj.2016.014

Non-Refereed Articles

Letter to the editor

- **Brown, K.** (2016). “The Coveted Linen Crown?” *Caribbean Journal of Nursing*, 3(1); 3–5.
- **Chisholm-Ford, S.** (2016). Rapid Response to Lenzer, J. (2016). “How Cuba eliminated mother-to-child transmission of HIV and syphilis”. *BMJ*, 352, i1619. Retrieved from <http://www.bmj.com/content/352/bmj.i1619/rapid-responses>
- **Garriques-Lloyd, S.** (2016). Rapid Response to Gulland, A. (2016). “Behind the Smile”. *BMJ*, 353, i3207. Retrieved from <http://www.bmj.com/content/353/bmj.i3207/rapid-responses>
- Hewitt-Thompson, K. & Mitchell, S. (2016). Rapid Response to Jolly, K., Ingram, L., Khan, K. S., Deeks, J. J., Freemantle, N., & MacArthur, C. (2012). Systematic review of peer support for breastfeeding continuation: metaregression analysis of the effect of setting, intensity, and timing. *BMJ*, 344, d8287. Retrieved from <http://www.bmj.com/content/344/bmj.d8287/rr>
- **Lindo, J., LePage, C., & Beason, F.** (2016). “Should Faculty Assume First Authorship on Papers When Students Fail to Draft Papers From Work They Conducted During Training?” *Nursing Research*, 65(2), 95.
- Mitchell, S. & Hewitt-Thompson, K. (2016). McCarthy, M. (2016). “Rapid Response to US seeks to reduce sodium consumption by one third”. *BMJ*, 353, i3144. Retrieved from <http://www.bmj.com/content/353/bmj.i3144/rr>
- **Waite, M.** (2016). [Rapid Response] In Kurth, T., Winter, A. C., Eliassen, A. H., Dushkes, R., Mukamal, K. J., Rimm, E. B., &

Rexrode, K. M. (2016). "Migraine and risk of cardiovascular disease in women: prospective cohort study". *BMJ*, 353, i2610. Retrieved from <http://www.bmj.com/content/353/bmj.i2610/rr-5>

- Waite, M. (2016). Rapid Response to Luangasanatip, N., Hongsuwan, M., Limmathurotsakul, D., Lubell, Y., Lee, A. S., Harbarth, S., & Cooper, B. S. (2015). "Comparative efficacy of interventions to promote hand hygiene in hospital: systematic review and network meta-analysis". Retrieved from <http://www.bmj.com/content/351/bmj.h3728/rr-3>

Editorial

- Bennett, J. (2016) Editorial. *Caribbean Journal of Nursing*, 3(1); 1–2.

CONFERENCE PROCEEDINGS/ ABSTRACTS

- Aiken, J. L., Weaver, S. R., Nevins, D., & Edwards, N. (2016). "Impacting Heart Failure in a Lower Middle Income Country: A Jamaican Case Study". *Heart & Lung: The Journal of Acute and Critical Care*, 45(4), 380.
- Davis, M., Aiken, J. & Lindo, JLM. (2016). "The knowledge, attitudes and practices of doctors and nurses at the Kingston Public Hospital regarding the use of Universal Precautions". *Caribbean Journal of Nursing*, 3(1) Suppl. 4.
- Anderson-Johnson, P., Foster-Jackson, S. & McPherson, A. "Barriers towards research utilization"; Theta Tau International's 27th International Nursing Research Congress. Theta Tau International's 27th International Nursing Research Congress. July 21–25, 2016, Cape Town, South Africa. In Sigma Theta Tau International's 27th International Nursing Research Congress. STTI. Virginia Henderson Global Nursing e-Repository. <http://www.nursinglibrary.org/vhl/handle/10755/616316>
- Foster-Jackson, S., McPherson, A. & Anderson-Johnson, P. (2016). "Barriers towards research utilization". *Caribbean Journal of Nursing*, 3(1) Suppl. 4.

- Garriques-Lloyd, S., Munroe, D. & Walker, M. (2016). “Exploring the theoretical preparation of third year nursing students and their performance in writing in critical assessment in a mental health nursing course”. *Caribbean Journal of Nursing*, 3(1) Suppl. 4.
- Lindo, JLM, Stennett, R., Anderson-Johnson, P., Barrett, K., Bunnaman, D., Waugh-Brown, V. & Wilson, K. “Using Nursing Documentation as a Proxy for Quality of Care at Public Hospitals in Jamaica”; In Sigma Theta Tau International's 27th International Nursing Research Congress. STTI. Virginia Henderson Global Nursing e-Repository. <http://www.nursinglibrary.org/vhl/handle/10755/616183>
- Nesbeth-Thaxter, C. (2016). “Sialorrhoea of Pregnancy: Physiology, Pharmacology and Homeopathy”. *Caribbean Journal of Nursing*, 3(1) Suppl. 4.
- Stanley, S., Walters, D., Weaver, S., Stennett, R., James, C. & Lindo, JLM. (2016). “Evaluating the implementation of a Preceptorship” Training Programme. *Caribbean Journal of Nursing*, 3(1) Suppl. 4.
- Williams, M., Lindo, JLM. & Stennett, R. (2016). “Undergraduate Nursing Students level of research self-efficacy and interest”. *Caribbean Journal of Nursing*, 3(1) Suppl. 4.

Oral Presentations

- Anderson-Johnson, P., Foster-Jackson, S. & McPherson, A. “Barriers towards research utilization”; Theta Tau International's 27th International Nursing Research Congress. Theta Tau International's 27th International Nursing Research Congress. July 21–25, 2016, Cape Town, South Africa.
- Lindo, JLM, Stennett, R., Anderson-Johnson, P., Barrett, K., Bunnaman, D., Waugh-Brown, V. & Wilson, K. “Using Nursing Documentation as a Proxy for Quality of Care at Public Hospitals in Jamaica”; Theta Tau International's 27th International Nursing Research Congress. July 21–25, 2016, Cape Town, South Africa.
- Davis, M., Aiken, J. & Lindo, JLM. “The knowledge, attitudes and

practices of doctors and nurses at the Kingston Public Hospital regarding the use of Universal Precautions”. The 26th Nursing and Midwifery Research Conference & 27th Mary J. Seiwright Day Translating nursing research evidence into best practices: The key to health public policy. May 26–27, 2016, Kingston, Jamaica.

- Garriques-Lloyd, S., Munroe, D. & Walker, M. “Exploring the theoretical preparation of third year nursing students and their performance in writing in critical assessment in a mental health nursing course”. The 26th Nursing and Midwifery Research Conference & 27th Mary J. Seiwright Day Translating nursing research evidence into best practices: The key to health public policy. May 26–27, 2016, Kingston, Jamaica.
- Foster-Jackson, S., McPherson, A. & Anderson-Johnson, P. “Barriers towards research utilization among Registered Nurses in Jamaica”. The 26th Nursing and Midwifery Research Conference & 27th Mary J. Seiwright Day Translating nursing research evidence into best practices: The key to health public policy. May 26–27, 2016, Kingston, Jamaica.
- Thaxter-Nesbeth, K. “Sialorrhoea of Pregnancy: Physiology, Pharmacology and Homeopathy”. The 26th Nursing and Midwifery Research Conference & 27th Mary J. Seiwright Day Translating nursing research evidence into best practices: The key to health public policy. May 26–27, 2016, Kingston, Jamaica.
- Stanley, S., Walters, D., Weaver, S., Stennett, R., James, C. & Lindo, JLM. “Evaluating the implementation of a Preceptorship Training Programme”. The 26th Nursing and Midwifery Research Conference & 27th Mary J. Seiwright Day. Translating nursing research evidence into best practices: The key to health public policy. May 26-27, 2016, Kingston, Jamaica.
- Williams, M., Lindo, JLM. & Stennett, R. “Undergraduate Nursing Students level of research self-efficacy and interest”. The 26th Nursing and Midwifery Research Conference & 27th Mary J. Seiwright Day. Translating nursing research evidence into best practices: The key to health public policy. May 26–27, 2016, Kingston, Jamaica.

- Lindo, JLM, Stennett, R., Wilson, K., Barrett, K., Bunnaman, D., Anderson-Johnson, P., Waugh-Brown, V. & Wint, Y. “An audit of Nursing Documentation at three Jamaican public hospitals”; Nurses Association of Jamaica 45th Island Conference. October 9, 2015 at the Jewels Resort. St. Ann, Jamaica.
- Lindo, JLM, Stennett, R., Wilson, K., Barrett, K., Bunnaman, D., Anderson-Johnson, P., Waugh-Brown, V. & Wint, Y. “An audit of Nursing Documentation at three Jamaican public hospitals”; Ministry of Health’s National Health Research Conference. November 26–27, 2015 at the Jamaica Conference Centre. Kingston, Jamaica.
- Lindo, JLM, Stennett, R., Wilson, K., Barrett, K., Bunnaman, D., Anderson-Johnson, P., Waugh-Brown, V. & Wint, Y. “Killing Three Birds with One Stone: Implementing a Nursing Research, Education and Practice Program”; AACN’s 2016 Doctoral Education Conference. January 21, 2016 at the Naples Grande Beach Resort in Naples, Florida, USA.
- Lindo, JLM, Stennett, R., Wright-Myrie, D., Stanley, S., Walters, D., Weaver, S., James, C. “Integrating Multiple Models of Preceptorship in a Third World Setting”; Biennial PDK Research Symposium. January 30, 2016 at Barry University, Florida USA.

The UWI School of Nursing, Mona

STUDENTS: Undergraduate

Category of Students	New	Returning			Total
	1st year	2nd Year	3rd Year	4th Year	
BScN – Mona Campus	156	178	145	132	611
BScN – Western Jamaica Campus	25	23	23	23	94
BScN – franchised at EXED	66	56	67	66	255
BScN – franchised at Brown’s Town Community College	39	39	38	41	157
BScN – franchised at Knox Community College	28	25	29	25	107
Sub-Total	314	321	302	287	1,224
BScN (post RN) online delivery.	80	99			179
Grand Total Undergraduates	355	703			1,403

Postgraduate Programmes

Category of Student	New	Returning	Total
MPhil/PhD	0	6	6
MScN (Nursing Administration; Nursing Education)	18	10	28
MScN (Family Nurse Practitioner; Mental Health/Psychiatric Nurse Practitioner; Clinical Nurse Specialist-Gerontology Option)	10	13	23
Total Postgraduates Students	28	29	57



FACULTY OF SCIENCE & TECHNOLOGY

Mona

Year ending July 31, 2016



PROFESSOR PAUL REESE
BSc (Hons), UWI, DPhil, *Sussex*, CChem, FRSC
DEAN

– Dean’s Overview –

TEACHING, LEARNING AND STUDENT DEVELOPMENT

Student Enrolment and Access to Faculty Programmes

The number of undergraduate students enrolled in our Faculty has grown steadily over the period 2011–2016 as illustrated below. The increase in recent years is largely due to the diverse course offerings by each Department and the monitoring of new incoming students by Faculty Office staff.

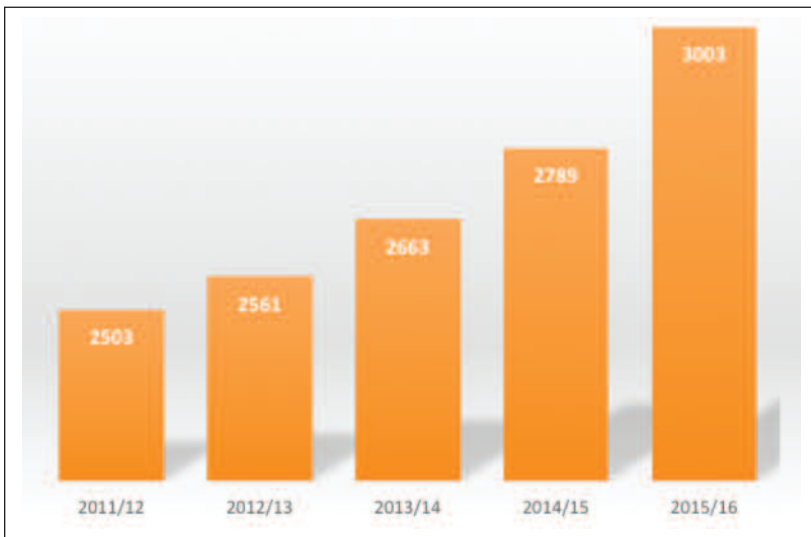


Figure 1: Number of registered students in the faculty

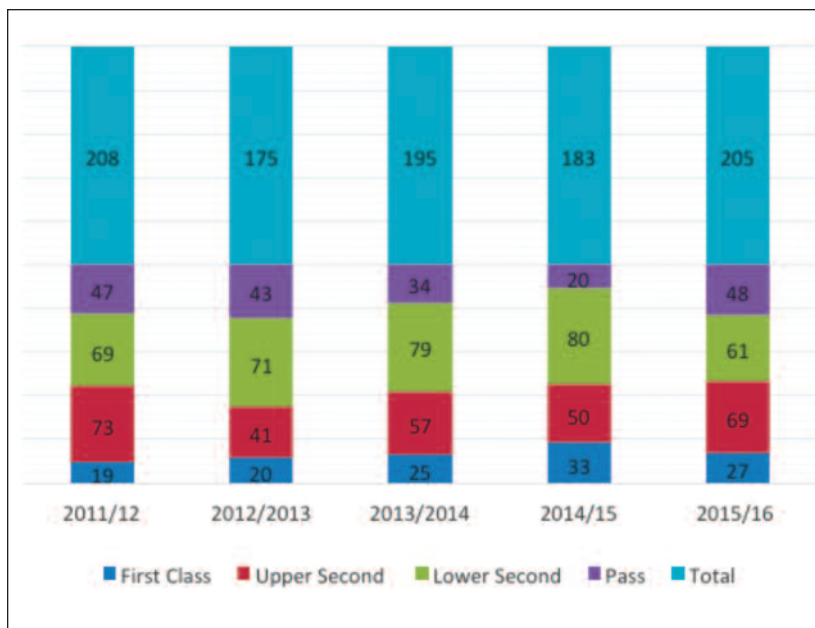


Figure 2: Number of Degrees awarded 2011–2016

Graduation data show an increasing number of students completing undergraduate programmes and earning their degrees over the period 2011–2016.

Each Department of our Faculty continues to be innovative and flexible in dealing with the large student numbers by adding extra class and laboratory streams, including weekend and evening classes, additional consultation hours by Lecturers and adding equipment to improve throughput in laboratory sessions.

OUTSTANDING ACHIEVEMENTS OF STUDENTS

Exploring the Chemistry of Caribbean Cuisine

Students from the Department of Chemistry emerged winners of a unique student competition, “Communicating Chemistry: Caribbean Cuisine” held at the 251st American Chemical Society National Meeting & Exposition in San Diego, California. The competition was organized

by the Agricultural and Food Chemistry Division of the ACS. The goal of the contest was to increase literacy in science-related topics among the general public, as well as to demonstrate how chemistry, in particular, relates to food and culture. The team members were Mario Christie (Captain), Shona Smith, Nadine Whyte and Rajeve Brooks. Their advisor was Dr Andrea Goldson-Barnaby.

Mona wins the recent Inter-American Development Bank's Sustainable Energy and Gender Competition

The competition was mounted by the BRIDGE Programme with a mandate to reduce the gap between the current workforce capacity and skill level and the future workforce required to meet the demands of developing sustainable energy systems. It was also designed to promote greater participation of women in the field of renewable energy. The result was the Women in Energy Competition. The Mona Campus submitted a concept proposal entitled, "Alternative Energy Awareness Program." This winning team was composed of students Dudley Williams, River Providence, Alton Daley and Jamila Walters. Dr. Tanya Kerr (Department of Physics) and Ms. Cherri-Ann Scarlett (Mona School of Engineering) were advisors. The jury selected this proposal because of its multi-faceted approach and the understanding that increasing female participation in Renewable Energy (and the Science Technology and Math field in general) demands a long-term effort. The team's focus on working with school science clubs and developing a link with university students to engage girls in this field is a promising strategy. In addition, the concept aims to follow a cohort of girls as they progress through their education. It also includes a scholarship programme for girls who want to enter the STEM field. Cave Hill's and St. Augustine's teams placed second and third respectively.

Biotechnology Students receive Awards at the Third Annual National Business Model Competition

Two of the award winning teams from the Biotechnology Centre are: Sweelevia's Nature's Tea, with Jordon Freeman and Samantha Williams

as team members; and Phyto-BioFoods, with participants Carlton Barrows and Kimberly Pringle. They copped second and third place awards respectively in the recently concluded Third Annual National Business Model Competition, with three out of its four student-entrepreneur teams securing a combined cash prize of J\$1.75 million. Sweelevia's Nature's Tea and Phyto-BioFoods made their winning presentations to a panel of private sector judges in the final round of the national competition on Friday, April 1, 2016, finishing in the top four of thirteen teams across four universities – University of the West Indies (Mona), Northern Caribbean University, University of Technology Jamaica, and Edna Manley College of the Visual and Performing Arts.

IEEE International Robotics Competition

The venue of the IEEE SouthEastCon Hardware Competition was the Hampton Roads Shipping Barge, Virginia, USA. The course consisted of a scaled down shipping wharf comprising a shipping barge, a zone for transport via rail, for transport via boat, and a zone for transport via truck. Entrants had to design and build a completely autonomous robot that would collect "containers" of varying colours and QR codes and deliver them to the correct destination for transport within 5 minutes. Points were awarded when blocks were sorted correctly and in good time. A team composed of Electronics Engineers, Electronics and Computer Science students placed 3rd in the competition. They contended against 46 universities within the southeast USA. They also placed 6th in the software competition in which 23 universities participated. Team members were Yekini Wallen-Bryan (Captain), Paulo Williams, Richard Harris, Aisha Robinson, Khalid Sharpe, Sean McBean, Jason Brown, Locksley Murray, Kriston Kong and Dane Miller. Their advisor was Mr. Lindon Falconer.

Annual Faculty Awards Ceremony

The Annual Faculty Awards Ceremony was held on Thursday, March 24, 2016 in the Assembly Hall under the theme: "Honouring Outstanding Achievers". The accomplishments of a total of 274 awardees were

celebrated: 261 students and 13 staff members. The keynote address was delivered by Mr Jerome Miles, General Manager of Salada Foods Jamaica Ltd.

Creation of the FST Mobile App

In March 2016 the Faculty Office staff along with Dr. Gunjan Mansingh formed a committee to examine how the orientation process could be improved. It was decided to disseminate information in an innovative way by building a mobile app that would provide students with relevant and useful information at their fingertips. Matthew Stone, Romario Maxwell, Brandon Hinds, Kenroy Gobourne and Janelle Thomas, students from the Computing Society, were given this task. Three months later the first version of the UWI-FST app had been developed. The app (i) helps students find information on the faculty and university, (ii) features frequently asked questions, (iii) provides material on scholarships and bursaries, (iv) contains videos outlining the registration process, (v) informs on the location of lecture rooms, and (vi) has several other useful features. Some of the videos were generated by Jermaine Watson, an M.Sc. student in the Department of Computing. The faculty considers this mobile app as a useful addition to UWI's digital arsenal.

Graduate Studies

Student Registration: The total number of graduate students registered in the Faculty of Science and Technology for the academic year 2015–2016 was 384. 176 students were reading for research degrees: 117 MPhil and 59 PhD degrees, while 208 students were pursuing taught Masters.

RESEARCH OUTPUT

FST Graduate research output:

The number of research students and their participation in publications and conferences for the 2015–2016 academic year.

DEAN'S OVERVIEW

Department	No. of registered MPhil and PhD Candidates 2015/16	No. of Publications with Graduate Students 2015/2016	No. of Conference Presentations with Graduate Students 2015/2016
Mathematics	8	1	3
Chemistry	44	2	8
Life Sciences	46	3	12
Physics	25	7	2
Computing	17	8	7
Geography and Geology	7	9	13
Biotechnology	18	10	5

EMPLOYEE ENGAGEMENT AND DEVELOPMENT

FST staff who received the Vice-Chancellor's Award for Excellence in 2015

Professor Byron Wilson, Professor of Herpetology & Conservation Ecology, Department of Life Sciences, received the Vice-Chancellor's Award for All-round Excellence in two or more core areas (Research Accomplishments and Public Service). He has a proven record for documenting and conserving Jamaica's unique biodiversity. Over the last five years, Professor Wilson has displayed outstanding productivity in all categories of research output: authorship of books and journals, special issues, editor/series editor and conference presentations. Since 2009, he has earned over US\$900,000 in local and international funding (a total of about US\$1.5 M since joining the Department of Life Sciences in 2001).

Professor Michael Taylor, Deputy Dean of the FST and Head, Department of Physics, received the award for Outstanding Research Accomplishments. His general areas of academic specialisation are Environmental Physics and Climatology. He is well known for undertaking the study of Caribbean Climate Variability and Climate Change at a time when research in the area was largely led by persons outside the

region. Among his wide repertoire of publishing accomplishments, is a book authored earlier this year entitled “Why Climate Demands Change”. His UWI grantsmanship record totals several million US dollars. In May 2015 he played the lead role in securing a US\$10.4M grant for the Mona Campus.

NATIONAL HONOURS & AWARDS

At the 2015 National Honours and Awards held on Heroes’ Day, Dr. Anthony Greenaway received The Order of Distinction in the Rank of Officer (OD) for outstanding contribution to Academia and, in particular, research.

Professor Elizabeth Thomas-Hope also received the Order of Distinction in the Rank of Commander (CD) for contribution to Caribbean Migration and Environmental Management.

Distinguished Young Woman Scientist

Dr. Nagarani Ponakala, Senior Lecturer in the Department of Mathematics, was selected as one of the 2015 Distinguished Young Women Scientists by the Inter-American Network of Academies of Sciences (IANAS). Dr. Ponakala, who specializes in Applied Mathematics, is a member of the Mathematical Modelling (Physiological Fluid Dynamics) Research Group in the Department of Mathematics, and also the Coordinator for the B.Sc in Mathematics and Modelling Processes. She was chosen for the honour following an interview process which saw IANAS considering many women from different countries in the Americas.

NATIONAL ENGAGEMENT AND OUTREACH

The Faculty’s Outreach Team visited a number of high schools across the island, including schools in Kingston and St. James.

The FST participated in the January 2016 outreach to the Mona-Western Jamaica Campus (WJC). Departments within the FST provided students with information regarding programmes on offer. There were also

interactive displays by the Biotechnology Centre, the Departments of Chemistry, Computing, Physics, Mathematics, Life Sciences through the Discovery Bay Marine Laboratory personnel, and the Mona School of Engineering.

The Departments of Physics, Mathematics and Chemistry, and the Mona School of Engineering hosted CAPE workshops aimed at assisting high school students in grasping important science concepts. The opportunity was also used to sensitize the students about university life and the competitiveness of getting into Science programmes at the UWI.

In June 2016 the Faculty participated in the annual “Relay for Life” for the fourth time. The annual event supports the work of the Jamaica Cancer Society and its efforts to raise funds to eliminate cancer as a major health problem in Jamaica. The focus of the FST team was on Prostate Cancer. The FST booth highlighted the work of departments involved in cancer research. The Faculty’s participation came as the result of a collaborative effort from personnel from all departments, who raised funds, manned the booth, and took part in the relay. The FST received two awards: “Best Tent” and “Bronze winner for most Team Donation”.

REGIONAL AND INTERNATIONAL COLLABORATION

Memorandum Of Understanding

During the Calendar year 2015/2016, the Faculty of Science of Technology indicated intent to partner with the Southern University, Baton Rouge, LA, USA. This MOU sets out the terms by which the SUBR and The UWI will develop collaborative initiatives to provide opportunities for students and faculty from both institutions to engage in training opportunities, development and implementation of academic programmes and for collaborative research activities.

NOTABLE PROJECTS ACROSS THE FACULTY

Mona Symposium: Natural Products & Medicinal Chemistry

The Department of Chemistry hosted the 26th Mona Symposium:

Natural Products and Medicinal Chemistry over the period January 4–7, 2016. This meeting represented the 50th year of the biennial conference first held in 1966. The conference was centered around eleven plenary lectures delivered by chemists who are acknowledged internationally as experts in their chosen area of research. There were also twelve short papers and a number of posters on topics that highlighted the latest developments in the subdiscipline of Organic Chemistry. This series of Symposia has enabled the Chemistry Department at Mona to maintain a level of recognition internationally. The Department hosted overseas participants from the USA, Canada, Australia, Japan, South Africa and the Caribbean, along with local and regional registrants including staff, postgraduate students and various representatives of the local scientific community.

The NPI Launched Handbook on “Potential Drug Interactions for Commonly Used Medicinal Plants & Foods in Jamaica”

The launch was held on Monday September 28, 2015, at the Council Room, UWI, Mona. The handbook is a practical guide to avoid adverse drug reactions and is anticipated for use by physicians, pharmacists, other health care professionals, and patients alike, and has approximately 70 potential interactions by 30 herbs and foods commonly used in Jamaica. It summarizes a decade of research conducted at the Natural Products Institute (NPI). The information from the handbook has been applied to form an app that can be used easily by the medical community for quick reference. Additionally, a webpage will be created to update new findings emanating from the NPI. The authors hope the handbook will help increase awareness of this public health issue and mitigate potential adverse drug reactions in the country.

ADDRESSING THE FUNDING CONSTRAINT

Departments continue to generate income mainly via self-financing programmes. Fund raising activities across the Faculty continued as shown by grants acquired amounting to over J\$18,414,876.

Resource Mobilization Unit (RMU)

The RMU successfully obtained funding regionally from the FAO and the Government of the Republic of Colombia to support a study tour. This represents a new approach for Science funding, and similar approaches will be used in the future.

Greater focus was placed on engaging the private sector to support the events of the Faculty. Several private sector entities came on board to support activities in the Mona Symposium as well as Research Days 2016. A new initiative, known as the Science Experience Park, was launched by the Faculty. This sought to bridge the link between the creators and users of science. It was a successful pilot.

The RMU has been supporting departments within the Faculty to create connections with the Government of Jamaica in order to leverage its personnel, technology and resources to support the national agenda in the areas of Health and Agriculture. There was constant feedback from stakeholders for a programmed approach to provide a clear picture of the Faculty's financial needs and a better understanding of the projects and activities for which funding was being sought. This led to the development of a new comprehensive funding strategy in which the priority areas have been identified.

DEPARTMENT OF CHEMISTRY



Dr Roy Porter, BSc, PhD, *UWI*
Head of Department

OVERVIEW

The 2015/2016 academic year was eventful and saw members of staff and students participating in a number of conferences and workshops, which included the Mona Symposium and the Better Process Control School. The Pesticide Research Laboratory received international accreditation; a milestone which gave the Department reason to celebrate this academic year. At the end of the academic year, we graduated fifty two (52) B.Sc. Chemistry students, ten (10) of which received first class honours. Eight (8) M.Sc. Occupational Environmental Safety and Health (OESH) degrees were awarded; two (2) of which received distinctions. One (1) M.Sc. Food and Agro-Processing Technologies (FAPT), two (2) PhD Chemistry, and one (1) MPhil Chemistry degrees were awarded.

HIGHLIGHTS OF MAJOR ACTIVITIES

Staff Movements

- Dr. Camille Bowen-Forbes proceeded on sabbatical leave for the 2015–2016 academic year; she was replaced by Dr. Patrice Peart. Mr. Ian Johnson and Dr. Nykieta James tendered resignations from the positions of Departmental Storekeeper and Scientific Officer respectively.
- The Department hosted a Christmas Luncheon/Retirement Function at the Terra Nova All Suite Hotel in honour of the contributions made by Mr. Englis Davy, Dr. Anthony Greenaway and Professors Henry Ellis and Robert Lancashire who had arrived at the age of retirement. Through the years, their combined contribution of over 136 years has been priceless and the Department is truly grateful for their efforts.

Department Seminars

The 2015/2016 academic year was not exempt from the usual informative and engaging seminar sessions conducted on a weekly basis. This programme which was coordinated by Drs. Nadale Downer-Riley and Marvadeen Singh-Wilmot, consisted of seventeen (17) seminars spanning a wide range of topics.

Student Enrolment:

Numbers of students reading courses in chemistry, 2012–2016

Level	2012–2013 Sem 1/Sem 2	2013–2014 Sem 1/Sem 2	2014–2015 Sem 1/Sem 2	2015–2016 Sem 1/Sem 2
Preliminary	239/218	226/209	200/175	233/198
Introductory	546/506	544/488	553/501	600/532
Advanced	256/227	255/218	239/198	218/188
Postgraduates	42	65*	128	109/87

*does not include students registered in the M.Sc. OESH programme

HIGHER DEGREES AWARDED**Table 2:** Higher degrees in Chemistry awarded in 2015/2016 AY

Degree Completed	Name	Supervisor(s)
PhD	Theresa Campbell	Dr. Camille Bowen-Forbes
PhD	Stacy-Ann Parker	Professor Helen Jacobs
MPhil	Ruth Williams	Dr. Camille Bowen-Forbes

Book Loan Scheme

The Department continues to operate its book loan scheme for undergraduate students. The demand for textbooks for the introductory courses is still the highest, followed by those for the preliminary courses.

Chemistry Honours Society

On 24th September 2015, the Department hosted an Induction Service for the Chemistry Honours Society. The Guest Speaker was Dr. Paul Aiken. Seven (7) students received the Bronze Award, while eight (8) received the Silver Award. On 15th April 2016, another Induction Service was hosted where eleven (11) bronze and three (3) gold awards were received by awardees. Prof Michael Taylor served as Guest Speaker.

Accreditation

The Pesticide Research Laboratory was awarded international accreditation ISO 17025 certification effective 6th October, 2015. The Jamaica National Agency for Accreditation (JANAAC) hosted the Accreditation Award Ceremony on Thursday, 22nd October, 2015 at 9:00 a.m. at the Ministry of Industry, Investment and Commerce.

NEPA Visible Emissions Training

The Department of Chemistry hosted a Visible Emissions training course (Smoke School) which was run by The National Environment and Planning Agency (NEPA) on 19th January 2016. This training is administered by Eastern Technical Associates (ETA) from the US; ETA is a United States Environmental Protection Agency (US-EPA) certified training institution. One (1) member of the Department of Chemistry participated in the course.

CAPE Workshop

During the period 11th–15th January, 2016, the Department held another successful series of workshops on Spectroscopy and Chromatography for the Caribbean Advanced Proficiency Examinations (CAPE) in Chemistry. Over 1,100 students and teachers from 44 high schools and community colleges across the island participated. Dr. Novelette Sadler-McKnight and Mrs. Mitzie Samuels continue to coordinate this venture and their efforts are appreciated.

The Better Process Control School

The Department conducted The Better Process Control School (BPCS), 11th–15th January, 2016. The BPCS is a certification programme approved by the United States Food and Drug Administration and the Bureau of Standards Jamaica. The course is offered to members of the food industry and regulators on processing of low-acid & acidified canned foods. Participating entities this year included Jamaica Broilers, Dairy Industries, Seprod Limited, National Cannery (Trinidad), Grace Foods, Southern Foods and Fruits and the Scientific Research Council. Three graduate students (2 MPhil Chemistry and 1 M.Sc. FAPT) also participated in this programme.

Research Days & Awards

The Department of Chemistry participated in Research Days 2016

activities through mounted displays, an ice cream demonstration in the Food Teaching Laboratory and a display in the Main Exhibition Village with a pirate-themed display on Marine Natural Products Chemistry.

Dr. Paul Maragh and Prof. Tara Dasgupta received the Principal's Awards for the Best Research Publication for the article "Kinetic and Density Functional Theory (DFT) Studies of in Vitro Reactions of Acrylamide with the Thiols: Captopril, L-cysteine, and Glutathione".

Workshops and Conferences Attended

A team of postgraduate students (Mario Christie, Shorna Smith, Nadine Whyte and Rajeve Brooks) attended the American Chemical Society Conference. The students entered and won the ACS International UWI Student Chapter's Communicating Chemistry: Caribbean Cuisine (C4) Competition held in San Diego, California, 13th–17th March. Dr Andrea Goldson-Barnaby gave oversight to this initiative.

VISITORS TO THE DEPARTMENT

During the academic year, the following individuals visited the Department:

- Miss Yvonne Hall, Executive Director, Bureau of Standards Jamaica
- Mrs. Beverley Miller, FSMA Coordinator, Bureau of Standards Jamaica
- Professor Mathew Nindi, Head, Department of Chemistry, University of South Africa
- Dr. Bryne Ngwenya, University of Edinburgh, United Kingdom

NEW PROJECTS

- Professor Bakir has undertaken a project involving nano-alloy synergistic catalysts for the conversion of carbon dioxide to methane.
- Drs. Debbie-Ann Gordon-Smith and Vaughn Rattray's project entitled "Impact of Submarine Groundwater Discharge on the Nutrient and Trace Metal Budgets of Discovery Bay, Jamaica" began

August 2015 and will be completed 2017. Collaborators are Prof. William Burnett, Florida State University and Dr. Richard Peterson, Coastal Carolina University, USA.

- Dr. Michael Coley began a project entitled “Ambient and in-vehicle air pollution studies within the Kingston Metropolitan Area”. The project’s aim is to build air quality monitoring units for simultaneously measuring the concentrations of several pollutant gases in both ambient and in-vehicle environments and is expected to culminate in July 2017.

CONFERENCES/SYMPOSIUM

- The Chemistry Department hosted the 26th Mona Symposium on Natural Products and Medicinal Chemistry from 4th–7th January, 2016. The year 2016 represents the 50th year of the biennial Mona Symposium which commenced in 1966. There were approximately eighty (80) registered participants, eleven (11) plenary speakers and twelve (12) short papers with the presenters hailing from the United States, Australia, South Africa and the Caribbean. There were twenty-five (25) presentations at the poster session by graduate students and staff from the Faculties of Science and Technology, Department of Basic Medical Sciences, the Scientific Research Council and the UWI Biotechnology Centre. The Symposium also played host to ten (10) undergraduate students and two (2) lecturers from St. Olaf University who are visiting the UWI as part of the course “Medicinal Chemistry in Jamaica”.
- As part of its 50th anniversary celebrations for its 26th staging the Mona Symposium held a public forum entitled “Natural Products for National Development”. There were 5 panellists from the regulatory, research, commercial and academic sectors. The forum was sponsored in part by the Tourism Enhancement Fund (TEF). The forum was very well attended and facilitated robust interaction between the panellists and the audience.

STAFF/STUDENT EXCHANGE PROGRAMME

Professor Willem Mulder visited the Chemistry Department of the University of Gothenburg, Sweden, as part of an exchange programme with the Chemistry Department of the University of the West Indies, Mona Campus, which for the past eight (8) years has been sustained through financial support from the Linnaeus-Palme Foundation. During his stay (23rd March–25th April 2016), he made two seminar presentations on his research work.

OUTREACH

- Members of the Chemistry Department participated in the CB UWI 5K run/walk event, as well as assisted with manning the Faculty's booth. This event was held on Sunday, 15th November, 2015.
- Dr. Singh-Wilmot participated in a science presentation/demonstration at the Hopfield Preparatory School on 17th November, 2015. The students and teachers benefitted significantly from food tests done in preparation for the upcoming GSAT examinations. On 3rd December, 2015, Dr. Singh-Wilmot carried out the function of Guest Speaker in a UWI Mona Campus event geared at stimulating interest among Kingston College students. Dr. Singh-Wilmot's speech was entitled "The Importance of Science in our Daily Lives".
- The Department was represented at the UWI Mona Western Jamaica Campus Open House held 11th–12th January 2016. The Chemistry booth was manned by Sanjay Campbell (graduate student) and a group of undergraduate students from the Chemical Society (ChemSoc). Some of the experiments used were coordinated by the ChemSoc President, Mario Christie.

PAPERS PRESENTED

- **Modupeola Abayomi and Roy Porter**, "Isolation and characterisation of potential bioactive metabolites from different parts of *Bixa Orellana* L. (Annatto) plant", the 26th Mona Symposium: Natural Products & Medicinal Chemistry, Kingston, Jamaica, January 4–7,

2016. Poster Presentation

- **Annaleise Aiken** and Ian Thompson, “The Amino Acid Profile of the leaves of Jamaican varieties of Cassava (*Manihot Esculenta*)” the 26th Mona Symposium: Natural Products & Medicinal Chemistry, Kingston, Jamaica, January 4–7, 2016. Poster Presentation
- **Sanjay Campbell**. “Brown Algae *Styopodium zonale* as a Source of Bioactive Natural Products”, the 26th Mona Symposium: Natural Products & Medicinal Chemistry, Kingston, Jamaica, January 4–7, 2016. Oral Presentation
- **Oniero Cherrington**, Garen Nelson, Denton Fearon and Paul Reese, “Modiolide A and other secondary metabolites produced by *paraconiothyrium cyclothyriodes*, a potential source of antibacterial and antifungal agents”, the 26th Mona Symposium: Natural Products & Medicinal Chemistry, Kingston, Jamaica, January 4–7, 2016. Poster Presentation
- **M.A. Collins** and P.B. Reese. “Study of fungal biotransformations on terpenoid substrates using alginate-immobilized filamentous fungi”, International Chemical Congress of Pacific Basin Societies (Pacifichem), Honolulu, Hawaii, USA, December 15–20, 2015. Poster Presentation
- **Marc Collins** and Paul Reese, “Immobilized fungal cells as agents for the generation of terpenoid analogues”, the 26th Mona Symposium: Natural Products & Medicinal Chemistry, Kingston, Jamaica, January 4–7, 2016. Poster Presentation
- **Sharna-kay Daley**, Nadale K. Downer-Riley and Yvette A. Jackson. “A novel synthetic approach to balsaminone A”, The International Symposium on Methods for Studying Drug Metabolism and Transport, and African Traditional Medicines (METHODS-2015): Pretoria, South Africa, November 23–25, 2015. Poster Presentation
- **Sharna-kay Daley**, Nadale K. Downer-Riley and Yvette A. Jackson. “Oxidative dimerization of benzene and naphthalene derivatives: a concise and effective route to bioactive natural products”, the 26th Mona Symposium: Natural Products & Medicinal Chemistry, Kingston, Jamaica, January 4–7, 2016. Oral Presentation

- **Doleasha Davis** and Winklet Gallimore, “Isolation, Characterization and investigation of the bioactivity and insecticidal properties of compounds and extracts from marine organisms”, the 26th Mona Symposium: Natural Products & Medicinal Chemistry, Kingston, Jamaica, January 4–7, 2016. Poster Presentation
- **Tamika Drummond**, Paul Maragh and Tara Dasgupta, “Mechanistic investigation of hydrolytic decompositions of Rousin’s black and Roussin’s red salts in aqueous acidic and basic solutions”, the 26th Mona Symposium: Natural Products & Medicinal Chemistry, Kingston, Jamaica, January 4–7, 2016. Poster Presentation
- **Raylee Dunkley** and Ian Thompson, “An Evaluation of the functional properties of acetylated cassava (*Manihot Esculenta*) starch”, the 26th Mona Symposium: Natural Products & Medicinal Chemistry, Kingston, Jamaica, January 4–7, 2016. Poster Presentation
- **W. Gallimore**. “Port Royal Sponges: Medicinal Treasure Troves of the Future?”, Society for Scientific Advancement (SoSA) Conference, Mona Visitor’s Lodge, The UWI, Mona Campus, November 20, 2015.
- **Sonal Gupte** and Ian Thompson, “Evaluating the quality of raw cow’s milk in Jamaica”, the 26th Mona Symposium: Natural Products & Medicinal Chemistry, Kingston, Jamaica, January 4–7, 2016. Poster Presentation
- **Dwight Messam** and Novelette Sadler-McKnight, “Investigation of sources of atmospheric aerosol at select urban and sub-urban areas in Jamaica”, the 26th Mona Symposium: Natural Products & Medicinal Chemistry, Kingston, Jamaica, January 4–7, 2016. Poster Presentation
- **W. Mulder**, “Solvatochromism and Thermodynamics of Molecules in Electronically Excited States”. University of Gothenburg, Sweden, April 5, 2016. Oral Presentation
- **W. Mulder**, “Equilibrium Size Distributions of Circular Domains in Amphiphilic Monolayers at the Air/Water Interface”. University of Gothenburg, Sweden, April 12, 2016. Oral Presentation
- P.C. Peart, A.R.M. Chen and **P.B. Reese**. “Fungal fragments

immobilised in calcium alginate: Transformation of substrates to new analogues”, International Chemical Congress of Pacific Basin Societies (Pacifichem), Honolulu, Hawaii, USA, December 15–20, 2015. Oral Presentation

- **Mark Rambaran** and Willem Mulder, “Ion specific effects in surface charging and electrokinetics of silica nanoparticles”, the 26th Mona Symposium: Natural Products & Medicinal Chemistry, Kingston, Jamaica, January 4–7, 2016. Poster Presentation
- **Alexa O. Redway**, Nadale K. Downer-Riley and Yvette A. Jackson, “Synthesis of an analogue of violatinctamine”, the 26th Mona Symposium: Natural Products & Medicinal Chemistry, Kingston, Jamaica, January 4–7, 2016. Poster Presentation
- **Coniel Roye** and Winklet Gallimore, “Characterisation of the bioactive compounds found in Jamaican plant *Mallontonia Gnphalodes*”, the 26th Mona Symposium: Natural Products & Medicinal Chemistry, Kingston, Jamaica, January 4–7, 2016. Poster Presentation
- **Littlelet Scarlet**, Paul Maragh, Tara Dasgupta, Kamaluddin Abdur-Rashid, “Chiral Ruthenium (II) Aminophosphine complexes: synthesis, characterization and applications to asymmetric hydrogenation and transfer hydrogenation reactions”, the 26th Mona Symposium: Natural Products & Medicinal Chemistry, Kingston, Jamaica, January 4–7, 2016. Poster Presentation
- **Jermaine Smith**, Marvadeen Singh-Wilmot, Christopher Cahill, Korey Carter and Alan Lough, “Rare earth metal organic frameworks from 2-nitroterephthalate: potential applications in gas storage and sensing”, the 26th Mona Symposium: Natural Products & Medicinal Chemistry, Kingston, Jamaica, January 4–7, 2016. Poster Presentation
- **Ian Thompson** and Chevanese Morgan, “The anti-nutrient components of the Jamaican breadfruit (*Artocarpus Altis*)”, the 26th Mona Symposium: Natural Products & Medicinal Chemistry, Kingston, Jamaica, January 4–7, 2016. Poster Presentation
- **N. Stephenson**, N. Sadler-McKnight. “Pushing students over the edge with explicit critical thinking engagement”. 24th Biennial

Conference on Chemical Education, Greeley, CO, July 31–August 4, 2016. Oral Presentation

- **G. G. Williams** and P.B. Reese. “Investigation of the products of transformation of Stemodin analogs by *Beauveria bassiana* ATCC 7159 to generate an active site model of its cytochrome P450 enzyme”, International Chemical Congress of Pacific Basin Societies (Pacifichem), Honolulu, Hawaii, USA, December 15–20, 2015. Poster Presentation
- **Garfield G. Williams** and Paul B. Reese, “Biotransformation studies of *Beauveria Basania* with diterpene substrates”, the 26th Mona Symposium: Natural Products & Medicinal Chemistry, Kingston, Jamaica, January 4–7, 2016. Poster Presentation
- **Cressana Williams-Massey** and Roy Porter, “The Variations of essential oils obtained from the pimento dioica” the 26th Mona Symposium: Natural Products & Medicinal Chemistry, Kingston, Jamaica, January 4–7, 2016. Poster Presentation

PUBLICATIONS

Referred Journal Articles

- **M. Bakir**, M. A.W. Lawrence, S. McBean, “Spectroscopic and electrochemical properties of group 12 acetates of di-2-pyridylketone thiophene-2-carboxylic acid hydrazone (dpktch-H) complexes. The structure of $[Cd(g^3-N,N,O-dpktch-H)_2]$ ” *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 146 (2015): 323–330
- S. Zhang · P. Kang · **M. Bakir**, A. M. Lapidés, C. J. Dares, T. J. Meyer, “Polymer-supported CuPd nanoalloy as a synergistic catalyst for electrocatalytic reduction of carbon dioxide to methane”, *Proceedings of the National Academy of Sciences* (Impact Factor: 9.67). 12/2015; 112(52). DOI: 10.1073/pnas.1522496112.
- **M. Bakir**, Rebecca Conry “Synthesis, spectroscopic and X-ray crystallographic properties of manganese compounds of keto- and enol-coordinated di-2-pyridyl ketone benzoyl hydrazone (dpkbh). Reactions of $[Mn(CO)_5 Br]$ with dpkbh” *J. COORDINATION*

CHEMISTRY. MARCH 2016 with 5 READS Impact Factor: 2.01
.DOI: 10.1080/00958972.2016.1162789.

- **M. Bakir**, Mark A.W. Lawrence, Peter N. Nelson, Rebecca R. Conry, “Spectroscopic and electrochemical properties of di-2-thienyl ketone thiosemicarbazone (dtkts): electrochemical reactions with electrophiles (H⁺ and CO₂)” *Electrochimica Acta* 212 (2016) 1010–1020. Impact Factor: 4.803
- K. Simon-Brown, K. Mis Solval, A. Chotiko, L. Alfaro, V.Reyes, C. Liu, B. Dzandu, E.Kyereh, **A. Goldson Barnaby**, **I. Thompson**, Z. Xu, S. Sathivel. “Microencapsulation of ginger (*Zingiber officinale*) extract by spray drying technology”. *LWT – Food Science and Technology*. Volume 70, (2016): 119–125.
- V. Ranger, **A. Goldson Barnaby**, R. Williams., C. Bowen-Forbes, V. Rattray, N. James, I. Thompson, “Evaluation of the antioxidant properties, fatty acid profile, ash, zinc, crude fiber and pectin content of Jamaican sorrel (*Hibiscus sabdariffa*) and citrus (*Citrus sinensis*) by-products from a local beverage manufacturer”. *West Indian Medical Journal*. DOI: 10.7727/wimj.2016.227
- **A. Goldson Barnaby**, **R. Reid**, **V. Rattray**, R. Williams & M. Denny. “Characterization of Jamaican *Delonix regia* and *Cassia fistula* Seed Extracts”. *Biochemistry Research International*, Article ID 3850102, (2016).
- **A. Goldson Barnaby**, R. Williams. “Saponin, Antioxidant and Free Radical Scavenging Properties of *Blighia sapida* Pods”, *West Indian Medical Journal*, (2016), DOI: 10.7727/wimj.2016.045
- S. Zhang, P. Kang, **M. Bakir**, A. M. Lapides, C. J. Dares, T. J. Meyer. “Polymer-supported CuPd nanoalloy as a synergistic catalyst for electrocatalytic reduction of carbon dioxide to methane”. *Proceedings National Academy of Sciences*. (PNAS) 112, 52 (2015): 15809-15814
- **P.C. Peart**, W.F. Reynolds, **P.B. Reese** “The generation of a steroid library using filamentous fungi immobilized in calcium alginate”. *Journal of Molecular Catalysis B: Enzymatic*, 125, (2016): 16–24.
- Jermaine A. Smith, **Marvadeen A. Singh-Wilmot**, Korey P. Carter,

Christopher L. Cahill, Alan J. Lough and Christopher S. Knee “Eight Rare Earth Metal Organic Frameworks and Coordination Polymers from 2-Nitroterephthlate: Syntheses, Structures, Solid State Luminescence and an Unprecedented Topology”. *New J. Chem.* 00 (2016): 1–3

- **Marvadeen A. Singh-Wilmot**, Rochette A. Sinclair, Ishenkumba A. Kahwa and Alan J. Lough “Eu³⁺ Substitutional Defects and Their Effect on the Luminescence Spectral and Decay Dynamics of One Dimensional Rare Earth Coordination Polymers and Trinuclear Complexes”. *Journal of luminescence*, doi:10.1016/j.jlumin.2016.08.006
- **N. Stephenson, N. Sadler-McKnight** “Developing critical thinking skills using the Science Writing Heuristic in the chemistry laboratory”. *Chemistry Education Research and Practice*, 17 (2016): 72–79.
- T. Collier, M. Normandin, **N. Stephenson**, E. Livni, S. Liang, P. Richardson, K. Maresca, R. Waterhouse, G. E. Fakhri and N. Vasdev, “Synthesis and preliminary pet imaging of ¹¹C- and ¹⁸F-isotopologues of the ROS1/ALK inhibitor PF-06463922 in nonhuman primates”, *J Nucl Med*, 57 (2016): 445

Non-Refereed Journal Articles

- **Marvadeen Singh-Wilmot** “Transforming Science Education”, *Jamaica Gleaner*, Guest Columnist, August 17, 2015.
- **Marvadeen A. Singh-Wilmot** “A Creative Way to Offset Brain Drain”, *TWAS Newsletter*, vol. 27, no. 1, 2015

INCOME GENERATION

- On 9th December 2015, Dr. Nadale Downer – Riley received The World Academy of Sciences (TWAS) research grant amounting to US\$10,000 for a project entitled “Novel approaches to benzothiazoles: synthesis of UK-1 analogues. There was also an additional US\$4,357 received for participation in conferences and journal publications.
- Dr. Andrea Goldson – Barnaby shared the Commonwealth Science Follow – On Grant with Dr Baljit Singh (Canada), for a project

Department of Chemistry

entitled “Investigation of the medicinal properties of isolates from tropical flora”. The grant amounted to £3000 and was used to support eligible costs associated with the award including travel, subsistence and some research expenses of the project which began January 2016 and should end May 2017.

- Drs. Debbie-Ann Gordon-Smith and Vaughn Rattray received a New Initiative Grant amounting to \$1,500,000.00 for the ongoing project in Discovery Bay. Dr. Michael Coley was also awarded a New Initiative Grant amounting to \$1,500,000.00 for his project on air quality monitoring.
- Dr. Nickeisha Stephenson also received a New Initiative Grant of \$1,500,000.00 for the project “Postsynthetic Fluorination of Proteolytically Stable, Bio-active Peptides”.

Consultation fees, summer school and rental of facilities: J\$10.2 million

PUBLIC SERVICE

Professor Helen Jacobs

- Selected to serve a four-year term (2016–2019) as one of the five representatives for Latin America and the Caribbean on the Persistent Organic Pollutants Review Committee (POPRC). The POPRC is the subsidiary technical body to the Stockholm Convention on Persistent Organic Pollutants (POPs) which reviews data on chemicals that have been proposed for elimination or restricted use under the Convention.

Dr. Donna Minott Kates

- Member, inaugural Advisory Board of Directors for the National Compliance and Regulatory Authority

Professor Paul Reese

- Member, Assessment Evaluation Committee, Jamaica National Accreditation: October 2012 to Present

STUDENTS

At the Faculty of Science and Technology Awards Ceremony held on the 19th March, 2016 the prizes and scholarships for undergraduate students in Chemistry were awarded to:

Desiree Brown	The Food Chemistry Prize
Shaunte Cotterell	The Bertram Frazer – Reid Prize
Nakeda Dennison	The Leonard J. Haynes Award
Marcel Denny	The Wilfred Chan Prize
Roxanne Francis	The Chemistry Department Prize
Lauren Gordon	The Cedric Hassall Scholarship
Ricaldo Pryce	The Garfield Sadler Award
Romario Smith	The Willard Pinnock Prize
Yanique Williamson	The Kenneth Magnus Prize for Applied Chemistry
Romane Woodburn	The Pavelich/Honkan Prize

A Gleaner article published on 21st January, 2016 captured the awarding of the Alexander ‘Barclay’ Ewart Scholarship for Chemistry to its first recipient Shanice Hinds, a second year B.Sc. Chemistry student. She received a cheque valuing three hundred thousand dollars (\$300,000.00); it is expected that she should receive the same sum next year seeing that the scholarship’s tenure is two years. Nakeda Dennison was also a recipient of this scholarship; she was awarded \$70,000.00.

DEPARTMENT OF COMPUTING



Dr. Ezra K. Mugisa, PhD (London), DIC (Imperial College), CITP
Head of Department

WORK OF THE DEPARTMENT

New Programmes

We continued to offer the programmes indicated in the table on page 370 below. The new addition is the Postgraduate Diploma in Information Technology (PGDIT), which we started offering in September 2015 with a cohort of 14 students. It is aimed at those whose first degree is not in Computing.

The department was invited to work with others to develop the new BSc Software Engineering (Mobile Application Development). This is a programme to be offered by the newly established UWI-China Institute of Information Technology (UWICIIT), through the Faculties of Science and Technology, in collaboration with the Global Institute of Software Technology (GIST) of Suzhou China. The scheduled start of this programme is 2016/17.

Programme	Majors	Minors
BSc (General)	<ul style="list-style-type: none"> • Computer Science • Software Engineering 	<ul style="list-style-type: none"> • Computer Science • Software Engineering • Information Technology
BSc Information Technology (also offered at WJC)		
BSc Computer Systems Engineering (with Mona School of Engineering)		
Postgraduate Diploma in Information Technology		
MSc Computer Science		
MSc Computer-Based Management Information Systems (with Mona School of Business and Management)		
MPhil/PhD Computer Science		

QUALITY ASSURANCE REVIEW

A quality assurance review of the department was carried out over the period, from April 10 to April 15. Here is a short extract from the report of the review team: “In general, the team is satisfied with the quality of the program, and would like to commend the department, including staff, administrators, and students, on their efforts in times of financial constraints and the overall morale we observed.” The team made 34 recommendations.

UWI Mona Western Jamaica Campus

We continue to offer the BSc IT programme at WJC. However, the number of students has not grown as we would have liked. We have

identified a number of challenges that may have contributed to this situation and are seeking to rectify them in order to get a substantial intake in 2016/17. We continue to encounter serious challenges in accessing streaming equipment for delivery of our courses to WJC. In this regard we are looking at using alternative technologies to give our WJC students a high quality experience.

Staffing

The department continues to have a cohort of 12 full-time staff: 1 Professor, 3 Senior Lecturers, 6 Lecturers, and 2 Assistant Lecturers. We also have one Special Instructor based at the WJC.

Renewal of Contract and Promotions

Professor Kweku-Muata Osei-Bryson continues to strengthen our research programme through student supervision and mentorship of junior staff. His contract as Visiting Professor was renewed for two more years.

We got our first home-grown professor when Dr. Daniel Coore was promoted to the rank of Professor in February 2016. We congratulate him!

Dr. Gunjan Mansingh was promoted to Senior Lecturer and Mr. Ricardo Anderson was promoted to Lecturer.

PUBLICATIONS

The department's research output amounted to 10 refereed publications in journals and conference proceedings as indicated below:

Journal Articles

- Ewedafe S. U, & Rio H. S. "Parallel Domain Decomposition for 1-D Active Thermal Control Problem with PVM." *International Journal of Advance Computer Science and Applications (IJACSA)*, Vol. 6. Issue 10, (2015) pp. 94–100

- **D. T. Fokum, D. N. Coore, and C. Busby-Earle**, “Learner Autonomy as a Means to Improve Pass Rates among First-Year Computing Students,” *The UWI Quality Education Forum*, vol. 21, pp. 1–19, Jan. 2016
- **Anderson, Ricardo, and Gunjan Mansingh**. “Towards a Comprehensive Process Model for Transitioning MIS to KMS.” *International Journal of Knowledge Management (IJKM)* 12, no. 1 (2016): 1–17.

PEER-REVIEWED CONFERENCE PROCEEDINGS

- **Anderson R. and Mansingh G.** “KMI-IWS: Towards a Framework for a Knowledge Management Initiative Intelligent Work-Flow System.” The Eighth International Conference on Advanced Cognitive Technologies and Applications, COGNITIVE 2016, March 20–24, 2016 – Rome, Italy
- **Ewedafe Simon Uzezi** 2016. “On the Parallel Domain Decomposition for 1-D Active Thermal Control Process using Three-Leveled Implicit Discretization Scheme with PVM.” 7th International Conference from Scientific Computing to Computational Engineering (7th -IC-SCCE), Athens, Greece, 6–9 July, 2016
- **Busby-Earle, Curtis, and Robert B. France.** “Discovering Potential Interaction Violations among Requirements.” In International Conference on Advanced Information Systems Engineering, pp. 243–253. Springer International Publishing, 2016.
- **John, S. and Busby-Earle, C.:** “The Random Gate Principle.” In Proceedings of the Ninth International Conference on Emerging Security Information, Systems and Technologies, Venice, Italy, August 2015
- **Fokum, Daniel T., Daniel N. Coore, and Yewande E. Lewis-Fokum.** “The Performance of Female Computer Science Students across Three Caribbean Islands.” In Proceedings of the 47th ACM Technical Symposium on Computing Science Education, pp. 419–424. ACM, 2016.

- Cadet, Frantz, and **Daniel T. Fokum**. “Coping with denial-of-service attacks on the IP telephony system.” In *SoutheastCon*, 2016, pp. 1–7. IEEE, 2016.
- Anuli, Stacy-Ann A., and **Daniel T. Fokum**. “Implementation of an internal food traceability application for local farmers in Jamaica.” In *SoutheastCon*, 2016, pp. 1–3. IEEE, 2016.

PUBLIC SERVICE

Ricardo Anderson

- Reviewer, *Knowledge Management Research and Practice Journal*, 2015

SimonEwedafe

- Member, Editorial Board for *Journal of Agriculture and Life Sciences*
- Member, American Association for Science & Technology (AASCIT)
- Member, International Association of Computer Science & Information Technology (IACSIT)
- Member, The Science and Information Organization (SAI)
- Member, Scientific Committee, 7th-IC-SCCE International Conference, Athens, Greece 2016
- Reviewer, *International Journal of Advanced Computer Science and Applications (IJACSA)*
- Reviewer, *International Journal of Electrical Power & Energy System (IJEPE)*
- Reviewer, *Journal of Supercomputing*
- Reviewer, *International Journal of Advanced Research in Artificial Intelligence (IJARAI)*

Daniel Fokum

- Reviewer, *IEEE Transactions on Vehicular Technology*
- Reviewer, *IEEE SoutheastCon*

Gunjan Mansingh

- Member, Editorial Review Board, *International Journal of Knowledge Management*, IGI Publishing.

INCOME GENERATION

We continued to run a number of income-generating activities as shown in the figure below:

Programme/Activity	Income	Expenditure	Net Income
MSc Computer Science	4,332,000.00	7,717,409.97	-3,385,409.97
MSc CBMIS			Not available
Cisco Networking Academy	1,586,642.94	1,428,733.55	157,909.39
Summer School	2,549,674.00	1,838,186.52	621,487.48
Consultancy	476,443.16	57,740.00	418,703.16
Grants (New Initiative Grant)	1,496,410.00		

STUDENTS

Student Throughput

The table on page 375 shows a breakdown of the number of students who graduated from the various programmes we offer:

Student Awards and Prizes

The Karl Robinson Award was won by Mr. Christopher Derrell with the value of the award being J\$40,000.00. The award is given to the student with the highest average in the first year, second year and Semester I of the third year Computer Science courses.

Mr. Ritesh Reddy was the recipient of the Lloyd G. Grandison Award for the best student in Computer Science major with the value of the award being J\$30,000.00.

Miss Debrah-Ann Rosewelt was the winner of the SAGICOR Award for the best student in the Internship course with the value of the award being J\$20,000.00.

Table 1: Number of Students Graduated form Various Programmes

Programme	Faculty	Gender	1st Class	2nd Class (upper)	2nd Class (lower)	Pass	Total
BA(CS)	FHE	M	5		12	5	22
		F			221		21
		Total	5		33	5	43
BSc (CS)	FST	M					
		F					
		Total					n/a
BSc (SWEN)	FST	M			1		1
		F			5		5
		Total			6		6
BSc (IT)	FST	M	4			1	5
		F				2	2
		Total	4			3	7
MSc (CS)	FST	M				7	7
		F				2	2
		Total				9	9
MSc (CBMIS)	FST/FSS	M					
		F					
		Total					n/a
MPhil	FST	M					
		F				1	1
		Total				1	1
PdD	FST	M	2				2
		F					
		Total	2				2

DEPARTMENT OF GEOGRAPHY AND GEOLOGY



Professor Simon F Mitchell, B.Sc. *Hull*, Ph.D. *Liverpool*
Head of Department

WORK OF THE DEPARTMENT

Professor Simon F. Mitchell continued as head of the Department for the 2015–2016 academic year as well as continuing as Acting Head of the Earthquake Unit. He was reappointed as head of Department for three more years (2016–2019). Dr Arpita Mandal continued as coordinator of Graduate Students in the Department, Dr David Miller coordinated examinations, Dr Sherene James-Williamson coordinated outreach, and Dr Kevon Rhiney and Dr Thomas Stemann coordinated the Geography and Geology programmes respectively. Dr Mandal was promoted to Senior Lecturer in April, 2016.

Staffing continued to be a serious issue affecting the Department, and fiscal conditions in the University were a major setback in the hiring of new staff. Dr Donovan Campbell (re)joined the Department as a lecturer

Department of Geography and Geology

in Geography at the start of the 2015–2016 academic year. Mr Robert Kinlock and Miss Taneisha Edwards were further employed to teach in Geography and Geology respectively, and Dr Donovan Blissett and Dr Rose-Ann Smith taught courses in the Department on part-time contracts. Dr Rose-Ann Smith continued as a short-term replacement to run the Map Library. Dr Thera Edwards returned to the Department in June 2015 following a two year leave of absence. Ms Jullian Williams continued as a research assistant for the Head of Department.

The Department continued to offer its full curricula of courses in Geography and Geology during the 2014–2015 academic year despite the staffing restrictions. Some staff members had to undertake excessive teaching loads in order to accommodate this.

From the 23rd–28th November, 2015, the Department was strongly involved with the 60th Anniversary of the Geological Society of Jamaica. The conference saw the presentation of 17 academic papers and participants attended two fieldtrips. Nine papers were presented by staff members, and 5 by research students in the Department. Two workshops were run, one for teachers and one on Jamaican stratigraphy. A preconference fieldtrip (led by Prof Mitchell) examined the new unconformity discovered at the base of the White Limestone in south-eastern St Ann. A post-conference fieldtrip (led by Dr Stemmann and Prof Mitchell) examined the geological evolution of south-eastern St Thomas and the geology of the Coastal Group. The participation of graduate students was funded by a grant of J\$60,000 from the School for Graduate Studies and Research; the participation of undergraduate students was sponsored by a grant of US\$800 from the Geological Society of Trinidad and Tobago (GSTT); the teacher's workshop was supported by UNESCO, and the coffee break for the stratigraphic commission workshop was sponsored by Cafe Blue. The abstracts and field guides were published in the series UWI Contributions to Geology.

From the 27th June to the 1st of July, 2016, the Department hosted a conference, “Celebrating 50 Years of Geography at Mona,” to celebrate 50 years of teaching Geography at UWI. A week of conference activities was organized by the Jamaican Geographical Society in conjunction with

the Department of Geography and Geology, UWI Mona Campus. More than 70 people attended the celebrations including alumni, current and past lecturers, and current postgraduates. Visitors came from Australia, Canada, Trinidad and Tobago and Barbados. The week's activities included 31 presentations reviewing the history of geography at Mona, current trends and geographical research, and education papers on the theme of Geography in the 21st Century Classroom. Three members of staff presented papers, and eight research students presented papers. Two panel discussions were held; on contributions and challenges of geographers working in the public and private sectors, and on geography education. Two field trips involved a boat trip around Kingston Harbour, and a traverse of the new North-South Highway including a stop at New Seville Heritage Park. Social events included a rum blending and rum tasting evening sponsored by Appleton Rum, with a presentation by Master Blender, Joy Spence. An Awards Dinner held at the Alhambra Hotel featured guest speaker Theresa Turner-Jones, Caribbean Regional Head, Inter-American Development Bank, and at which ten Trail Blazing Awards were presented to geographers who have made a significant contribution to their discipline. Recipients included founder members of the Geography Department at Mona, past lecturers, and distinguished alumni. A book launch (*Globalization, Agriculture and Food in the Caribbean: Climate Change, Gender and Geography*) edited by Clinton Beckford and Kevon Rhiney) also formed part of the celebrations. Another noteworthy feature of the celebrations was the creation of a Geography Development Fund which attracted donations from alumni and other prominent overseas-based geographers. In association with the launch of this Fund, a new undergraduate scholarship was established through a generous donation from former HOD, Professor Elizabeth Thomas-Hope. A special advertising supplement was published in the *Jamaican Sunday Observer* on June 26th, and a newsletter, *Jamaican Geographer*, Volume 20, 2016, was published to highlight the week's activities. The participation of graduate students was funded by a grant of J\$60,000 from the School for Graduate Studies and Research.

Members of the Department attended various workshops during the year. Dr Arpita Mandal attended the Resilient Cities, 2017 conference at

Bonn, Germany from 4-9th July 2016. She was also a panellist at the forum on Managing Ecosystems for more resilient cities in India, Bolivia and Jamaica. She attended two workshops for CDKN –ICLEI Development of Inside Story for the project “Climate Change and Inland Flooding in Jamaica”. Inside Story is to be developed based on CDKN’S Second Sub-National Learning Programme, Phase II, Moving from Sub-National planning to implementation. The first workshop was held in Quito, Ecuador in June 2015, and the second workshop was held in February 2015 in Nepal.

Dr Kevon Rhiney was the keynote speaker at the postgraduate conference on Caribbean In/Securities and Creativity, held at the University of Birmingham, U.K., 23rd May 2016. The presentation was entitled “Vulnerability, resilience and livelihood in/securities to global change in the insular Caribbean”. Dr Rhiney was a panellist in a workshop session entitled “Building partnerships and alliances to scale up climate-smart and adaptation solutions in the Caribbean.” This was part of the First Caribbean-Pacific Agri-Food Forum (CPAF15), held in Bridgetown, Barbados November 2-6, 2015, and sponsored by the Technical Centre for Cooperation on Agriculture (CTA) and the Inter-American Institute for Cooperation on Agriculture (IICA). Dr Rhiney presented two papers at the Integrated Management of Water Resources and Adaptation of Family Farming to Climate Change Workshop hosted by the Inter-American Institute for Cooperation on Agriculture (IICA), September 14-17, 2015, Georgetown, Guyana. The presentations were entitled “The Caribbean in the throes of a Changing Climate?”, and “Adapting Family Farms to a Changing Caribbean Climate: Some Perspectives on Managing Climate Risks”.

The special issue of Caribbean Geography (Edited by Duncan McGregor and David Barker) appeared carrying papers from the 6th British Caribbean Geography Seminar held at UWI, Jamaica, in August 2014. It included 4 papers from research students in the Department – papers by Anne-Teresa Birthwright (with Prof David Barker), Ayesha Constable, Shaneica Lester and Amal Sealy.

From January to June 2016 the Department and the Earthquake Unit

hosted Fulbright CORE scholar, Dr Katherine Ellins from The University of Texas at Austin. Dr Ellins collaborated with the Department, the EQU and IRIS (Incorporated Research Institutions for Seismology), Washington, D.C., on setting up JAESN (Jamaica Educational Seismic Network). The network will initially comprise about seven educational (AS-1) seismometers installed at selected high schools (and colleges) across the country allowing students to record earthquakes. IRIS is providing the analytical software, JAMASEIS, free of charge to participating school and teachers. Schools/ colleges have to pay for their instrument (about US \$650 plus shipping) and supply a dedicated computer with Internet access to allow them to upload their data to the global network, as well as download data from other stations in the network, with assistance from the Earthquake Unit. Students and educators will have opportunities to assist the UWI and international researchers with local research in seismology and related geohazards, and to promote awareness, preparation and response in their community through, for example, service learning projects. The Department of Geography and Geology hosted two immersive 3-day educator workshops in April and May, 2016 for teachers interested in hosting a JAESN station. The purpose was to train participating schools' geography, physics and mathematics teachers on JAESN. JAESN has been supported by the ODPEM and the Network was launched at Ardenne High School on the 23rd June 2016.

The UWI Geology Museum (UWIGM) hosted approximately 800 visitors, largely comprising students and teachers during Research Days and School visits. The Museum through the Department sponsored GreenCamp 2015 from 3rd–4th August 2015. The department sponsored the space for the hosting of the camp. The camp activities centred on environmental issues and solutions – reduce, reuse and recycle; alternative sources of energy; composting among others.

PAPERS PRESENTED

- **David Barker.** “Geography at Mona: 50 not out, on a sticky wicket.” Geography 50th anniversary conference, UWI, Kingston, Jamaica. 27th June–1st July 2016. Oral Presentation.

- **Mike J. Burn.** “Contextualizing contemporary climate change in the Caribbean using palaeoclimate archives.” Geography 50th anniversary conference, UWI, Kingston, Jamaica. 27th June–1st July 2016. Oral Presentation.
- **L. M. Kennedy,** M. J. Burn, J. A. Holmes, A. Bain, J. Marshall, and S. Perdikaris. “Changing precipitation drivers across the LIA from a sediment record from Barbuda, northeastern Caribbean.” Association of American Geographers Annual Meeting, San Francisco, California. 29th March–2nd April, 2016. Oral Presentation.
- **Donovan Campbell.** “Vulnerability of Jamaica’s south coast fishing communities to climate change.” American Association of Geographers Annual Conference, San Francisco, California, 29th March–2nd April 2016. Oral Presentation.
- **Taneisha Edwards** and Simon F. Mitchell. “Beachrock facilitating erosion: Observations at the Palisadoes, Kingston, Jamaica.” Geological Society of Jamaica, 60th Anniversary Conference, Mona Visitors Lodge, UWI, 23rd–28th November, 2015. Oral Presentation.
- **Rupert Green,** Dr. Lyndon Brown and Laurence Neufville. “Utilization of Remote Sensing and GIS in a multistorey building seismic vulnerability assessment for the Liguanea Plain, Kingston and St. Andrew.” Geological Society of Jamaica, 60th Anniversary Conference, Mona Visitors Lodge, UWI, 23rd–28th November, 2015. Oral Presentation.
- **Sherene A. James-Williamson,** Colin C. McDonald, Damian Williams, Cheyne Howell and Pilar Ellington. 2015 “Geoarchaeology of Colbeck Castle, St. Catherine, Jamaica.” Geological Society of Jamaica 60th Anniversary Conference, UWI, Mona, 23rd–28th November 2015. Oral Presentation.
- **Sherene A. James-Williamson** “Geoconservation in Jamaica: a proposal towards the protection and designation of geological sites.” Geological Society of Jamaica 60th Anniversary Conference, UWI, Mona, 23rd–28th November 2015. Oral Presentation.
- **André Reid** and Sherene. A. James-Williamson. “Relationship between Rare Elements and the origins of Bauxite in Jamaica.” Geological

Society of Jamaica 60th Anniversary Conference, UWI, Mona, 23rd–28th November 2015. Oral Presentation.

- **Arpita Mandal**, Simon F. Mitchell and David J. Miller, “Geological mapping for water resources, parish of St Catherine, Jamaica: a case study”. Paper presented at the Annual Conference of Caribbean Water and Waste Water Association, Miami, August, 2015. Oral Presentation.
- **David J. Miller**. “Ridge Karst and Tower Karst in Southern St. Elizabeth, Jamaica: Form, Process and Geological Controls.” Geological Society of Jamaica, 60th Anniversary Conference, Mona Visitors Lodge, UWI, 23rd–28th November, 2015. Oral Presentation.
- **David Miller** and Andrew G. M. Pearson. “Geomorphologic and sediment dynamics of selected beaches, south coast of Jamaica: hurricane impact complex response systems.” American Association of Geographers Annual Conference, San Francisco, California, 29th March–2nd April 2016. Oral Presentation.
- **Simon F. Mitchell** “Lithostratigraphy and Biostratigraphy of the Chalk of the Northern Province” – The Chalk of the Northern Province: its regional context, Symposium 10th-13th September 2015, Department of Geography and Earth Sciences, The Hull University, Kingston-upon-Hull, U.K. Oral Presentation.
- **Simon F. Mitchell** “Geology and Civil Engineering” – Jamaica Institution of Engineers Conference 2015 – Engineering for Human and Social Development, 21st–23rd September, 2015, Pegasus Hotel, New Kingston, Jamaica. Oral Presentation.
- **Simon F. Mitchell** “Morant Bay Rebellion and Geology.” – The Morant Bay Rebellion Conference (Organised by the Social History Project, Department of History and Archaeology), The terror spread: the Morant Bay rebellion and Jamaican history, 22nd–24th October 2015, Multifunctional Room, Main Library, UWI, Mona, Kingston, Jamaica. Oral Presentation.
- **Simon F. Mitchell**. “Controls on facies patterns and stratal geometries in the Yellow Limestone and White Limestone of Jamaica – tectonic quiescence or carbonate productivity?” Geological Society of Jamaica,

- 60th Anniversary Conference, Mona Visitors Lodge, UWI, 23rd–28th November, 2015. Oral Presentation.
- **Simon F. Mitchell**, Alan Hastie and Rick N. Abbott Jr. “Late Cretaceous to early Paleogene geological evolution of Jamaica.” Geological Society of Jamaica, 60th Anniversary Conference, Mona Visitors Lodge, UWI, 23rd–28th November, 2015. Oral Presentation.
 - **Kevon Rhiney**. “Research for Change? Community based adaptation and the science-policy interface in Jamaica.” Geography 50th anniversary conference, UWI, Kingston, Jamaica. 27th June–1st July 2016. Oral Presentation.
 - **Natalie Robinson** and Simon F. Mitchell. “Foraminiferal succession and lithofacies within the White Limestone Group during the Late Eocene to Early Oligocene.” Geological Society of Jamaica, 60th Anniversary Conference, Mona Visitors Lodge, UWI, 23rd–28th November, 2015. Oral Presentation.
 - **Kevin R. Tankoo** and Simon F. Mitchell. “Stratigraphy, Structure and Petrophysical Characteristics of Eocene-Miocene Successions of North-Central, Jamaica: Geotectonic Evolution of the North Coast Belt.” Geological Society of Jamaica, 60th Anniversary Conference, Mona Visitors Lodge, UWI, 23rd–28th November 2015. Oral Presentation.
 - **Jhannel Tomlinson** and Kevon Rhiney. “Using Farmer Field Schools to build Climate Resilience in Jamaica.” Annual Meeting of the Association of American Geographers (AAG), San Francisco, California, 29th March–2nd April 2016. Oral Presentation.
 - **Zack Guido**, Timothy Finan, Kevon Rhiney, Valerie Rountree, Malgosia Madajewicz, Cathy Vaughan, Teddy Allen and Viviana Rivera-Burgos. “The vulnerability of Jamaican Blue Mountain Coffee Farmers to inter-related social, environmental, and climate stresses: feedbacks and relationships. American Association of Geographers Annual Conference, San Francisco, California, 29th March–2nd April 2016. Oral Presentation.
 - Edward Robinson and Adina Payton. “Biostratigraphy of the White Limestone, Jamaica: data from strontium isotope studies.” Geological

Society of Jamaica, 60th Anniversary Conference, Mona Visitors Lodge, UWI, 23rd–28th November, 2015. (Read by **Simon F. Mitchell**) Oral Presentation.

- **Thomas Stemann.** 2015. “Plio-Pleistocene turnover on siliciclastic dominated reefs from Jamaica” GSA Annual Conference, Baltimore, Maryland, 31st October–5th November 2015. Abstract published in *Geological Society of America Abstracts with Programs*, Vol. 47, No. 7, p. 635. Oral Presentation.
- **Thomas Stemann.** “Reef development in coarse clastic dominated facies in the Miocene through Pleistocene of south east Jamaica” Geological Society of Jamaica 60th Anniversary Conference, UWI, Mona, 23rd-28th November 2015. Oral Presentation.
- **Ann F. Budd** and Thomas Stemann. 2015. “Revisiting the Gatuncillo Formation: Eocene brain corals and the origin of the Recent Caribbean clade *Mussidae*” GSA Annual Conference, Baltimore, Maryland, 31st October-5th November 2015. Abstract published in *Geological Society of America Abstracts with Programs*. Vol. 47, No. 7, p. 424. Oral Presentation.
- **Emma Rose Locatelli**, Derek Briggs, Thomas Stemann, Roger W. Portell, Harley Means and Stephen K. Donovan. 2015. “Leaves from the sea: A flora from the Pliocene Bowden Formation of Jamaica” *Geological Society of America Abstracts with Programs*. Vol. 47, No. 7, p. 634. Oral Presentation.
- **Stephanie Parker** and Thomas Stemann. 2015. “Micropaleontology of the White Limestone and Coastal Group near Innes Bay, Portland, Jamaica” Geological Society of Jamaica 60th Anniversary Conference, UWI, Mona, 23rd–28th November 2015. Oral Presentation.
- **Alexandra Skrivanek**, Andrea Dutton and Thomas Stemann. 2015. “Evidence of Last Interglacial sea-level oscillations and recent tectonism in the Falmouth Formation of Jamaica” Abstract PP43C-2297 presented at 2015 Fall Meeting, American Geophysical Union, San Francisco, California, 14th 18th December 2015. Oral Presentation.

- **Alexandra Skrivanek**, Andrea Dutton and Thomas Stemann. 2016. “Assessing the occurrence of rapid sea-level oscillations during the Last Interglacial period in the Falmouth Formation of Jamaica” 5th University of Florida Water Institute Symposium, Florida, 16th–17th February 2016. Oral Presentation.
- **Jullian C. B. Williams**, Sherene A. Williamson and Mitko Voutchkov. “An examination on radioactive leakage within bauxite deposits and the health effects related to bauxite pit reclamation in Perth, Manchester, Jamaica.” Geological Society of Jamaica 60th Anniversary Conference, UWI, Mona, 23rd–28th November 2015. Oral Presentation.

PUBLICATIONS

Books and Journals

- Duncan McGregor and **David Barker** (Editor). *Special Issue: Adaptation and Resilience to Global Change: Selection of Paper from 6th British Caribbean Geography Seminar. Caribbean Geography*, vol. 20 (2015), 119 pp. UWI, Kingston, Jamaica.
- **Sherene A. James-Williamson** and S. Francis-Brown (editors.), *Caribbean Museums*, 1 (2015), 59 pp. Museums Association of the Caribbean, c/o Saint Lucia National Trust, Castries, Saint Lucia.
- **Simon F. Mitchell** and **Sherene A. James-Williamson** (editors). “Geological Society of Jamaica, 60th Anniversary Conference, Abstracts and Field Guides 23rd-28th November, 2015.” UWI Contributions to Geology, #7 (2015), pp. 1–30. Department of Geography and Geology, UWI, Kingston, Jamaica.
- **Sherene A. James-Williamson**. *Caribbean Journal of Earth Science*, Vol. 48 (2015), pp. 1–28. Geological Society of Jamaica, Kingston, Jamaica.
- Clinton Beckford and **Kevon Rhiney** (eds.) “*Globalization, Agriculture and Food in the Caribbean: Climate Change, Gender and Geography.*” (2016) London (UK): Palgrave Macmillan.

Refereed Book Chapters and Journal Articles

- Anne-Teresa Birthwright and **David Barker**. “Double exposure and coffee farming: A case study of the vulnerability and livelihood experiences among small farmers in Frankfield, Jamaica.” *Caribbean Geography*, vol. 20 (2015), pp. 41–59.
- **Michael J. Burn**, J. A. Holmes, L. M. Kennedy, A. Bain, J. D. Marshall, J.D. and S. Perdikaris. “A sediment-based reconstruction of Caribbean effective precipitation during the Little Ice Age from Freshwater Pond, Barbuda.” *The Holocene*, 26(8) (2016), pp. 1237–1247.
- **Michael J. Burn** and S. E. Palmer. “Atlantic hurricane activity during the last millennium.” *Scientific Reports*, 5 (2015), pp. 128–38.
- **Sherene A. James-Williamson** and Andre D. Reid. “Assessment and conservation of an outdoor exhibit: the Geography Geology Obelisk.” S. A. James-Williamson and S. Francis-Brown (eds.), *Caribbean Museums*, 1 (2015), pp. 42–59.
- **Arpita Mandal**, T. Stephenson, A. Brown, J. Campbell, M. Taylor and T. Lumsden. “Rainfall-runoff simulations using the CARIWIG Simple Model for Advection of Storms and Hurricanes and HEC-HMS: Implications of Hurricane Ivan over the Jamaica Hope River watershed.” *Natural Hazards*, 83(3) (2016), pp. 1635–1659.
- A. Nandi, **Arpita Mandal**, M. Wilson and D. Smith. “Integrated Flood Hazard mapping using Principal Component Analysis and Logistic Regression: a case study for Jamaica – a Small Island Developing State of the Caribbean.” *Environmental Earth Sciences*, vol. 75(6) (2016).
- **Simon F. Mitchell**, **Sherene A. James-Williamson**, **David J. Miller** and **Arpita Mandal**. “Comment on: “Geomorpho-tectonic evolution of the Jamaican restraining bend” by Leomaris Domínguez-González, Louis Andreani, Klaus P. Stanek and Richard Gloaguen.” *Geomorphology*, 228 (2015), pp. 320–334.
- **Simon F. Mitchell**. “Geology of the western margin of the Benbow

Inlier – implications for the relationship between the Yellow Limestone and White Limestone groups (with the description of the Litchfield Formation, new name).” *Caribbean Journal of Earth Science*, 48 (2016), pp. 19–25.

- **Kevon Rhiney**. “From Plantations to Services: A Historical and Theoretical Assessment of the Transition from Agrarian to Service-Based Industries in the Caribbean.” In Clinton Beckford and Kevon Rhiney (eds), *Globalization, Agriculture and Food in the Caribbean: Climate Change, Gender and Geography*. London (UK): Palgrave Macmillan, 2016, pp. 23–50.
- R. Smith and **Kevon Rhiney**. “Climate (in)justice, vulnerability, land and livelihoods: The case of the Black Caribs in Northeastern St. Vincent.” *Geoforum*, 73 (2015), pp. 17–21.
- A. K. Baptiste and **Kevon Rhiney**. “Climate justice and the Caribbean: An introduction”, Special Issue on Climate Justice and the Caribbean.” *Geoforum*, 73 (2015), pp. 22–31.
- Clinton Beckford and **Kevon Rhiney**. “Geographies of Globalization, Climate Change and Food and Agriculture in the Caribbean.” In Clinton Beckford and Kevon Rhiney (eds.), *Globalization, Agriculture and Food in the Caribbean: Climate Change, Gender and Geography*. London (UK): Palgrave Macmillan, 2016, pp. 3–22.
- Clinton Beckford and Kevon Rhiney. “Future of Food and Agriculture in the Caribbean in the Context of Climate Change and Globalization: Where Do We Go from Here?” In Clinton Beckford and Kevon Rhiney (eds.), *Globalization, Agriculture and Food in the Caribbean: Climate Change, Gender and Geography*. London (UK): Palgrave Macmillan, 2016, pp. 267–295.

Non-refereed Papers

- **Arpita Mandal**, D. Smith, M. Wilson, M. Taylor, A. Nandi and S. Otuokon. “Inside Story: climate change and flood risk – Challenges for Jamaican towns and communities.” CDKN (Climate Development and Knowledge Network) Inside Story (2016).

- **Simon F. Mitchell.** “Field Trip 1: Geology of the White Limestone between Middlesex and Riverhead, Parish of St. Ann, Jamaica.” In S. F. Mitchell and S. A. James-Williamson (eds.) Geological Society of Jamaica, 60th Anniversary Conference, Abstracts and Field Guides, 23rd–28th November, 2015. *UWI Contributions to Geology*, #7 (2015), pp. 15–20.
- **Simon F. Mitchell and Thomas A. Stemann.** “Field Trip 2: Selected geological sites in the parishes of western St Andrew and St Thomas.” In S. F. Mitchell and S. A. James-Williamson (eds.) Geological Society of Jamaica, 60th Anniversary Conference, Abstracts and Field Guides, 23rd–28th November, 2015. *UWI Contributions to Geology*, #7 (2015), pp. 21–29.

Technical Reports

- **Kevon Rhiney.** “Population dynamics and climate change in the Caribbean: Jamaica scoping study.” Study was funded jointly by the The International Institute for Environment and Development (IIED) and the United Nations Population Fund (UNFPA), Project No. 721.07_01(UNFPA) (2015), 18 pp.
- A. Eitzinger, **Kevon Rhiney**, A. Farrell, S. Carmona, I. van Loosen and M. Taylor. Jamaica: Assessing the impact of climate on cocoa and tomato. CIAT Policy Brief No. 28 (2015). Centro Internacional de Agricultura Tropical (CIAT), Cali, Colombia. 6 pp.
- A. Eitzinger, A. Farrell, **Kevon Rhiney**, S. Carmona, I. van Loosen and M. Taylor. “Trinidad & Tobago: Assessing the impact of climate change on cocoa and tomato.” CIAT Policy Brief No. 27 (2015). Centro Internacional de Agricultura Tropical (CIAT), Cali, Colombia. 6 pp.
- A. J. Grant, **Kevon Rhiney**, D. Rankine, F. Whyte and S. Lester. “UNDP Country Programme Strategy for the Small Grant Programme in Jamaica.” Report submitted to the GEF Small Grants Programme, UNDP (2016), 30 pp.

PUBLIC SERVICE

David Barker

- External Examiner in Geography for the Joint Board of Teacher Education (JBTE)
- Editor, *Caribbean Geography*
- Convenor, CAPE Geography
- Member, Editorial Committee, *CaribXplorer Magazine*
- Member, Editorial Board, *Caribbean Quarterly*
- Council Member, Jamaican Geographical Society

Sherene James-Williamson

- Editor, *Caribbean Journal of Earth Science*
- Editor, *Museums Association of the Caribbean*
- Expert Panel Panelist, St. Lucia National Trust Round – Table Consultation for the Establishment of a national museum. April 21–22, 2016, St. Lucia.
- President, Museums Association of the Caribbean.
- Committee Member, GIS Enterprise Licence Agreement Management Support & Advisory Committee
- Conference Secretariat – GSJ 60th Anniversary Conference
- External Examiner, College of Agriculture, Science and Education
- External Examiner, Joint Board of Teacher Education

Arpita Mandal

- Elected to the Technical Committee of Global Water Partnership Caribbean (GWP-C)
- Council Member, Geological Society of Jamaica

Simon F. Mitchell

- Member, Scientific Committee, International Congress on Rudist Bivalves
- Member, Scientific Committee, Caribbean Geological Conference
- Editor, *UWI Contributions to Geology*
- Language Editor, *Carnets de Geology*
- Member, National Committee on Coastal Zone Management (NCOCZM)
- President, Geological Society of Jamaica
- Chairman, Jamaican Stratigraphic Committee

Kevon Rhiney

- External Examiner, College of Agriculture, Science and Education
- External Examiner, Joint Board of Teacher Education
- Editorial Board, *Caribbean Geography Journal*
- Council Member, Jamaican Geographical Society
- Member of the Steering Committee for the Climate Change Action Training (CCAT) Programme (USAID-funded Ja REEACH Project).
- Steering Committee Member, Global Water Partnership – Caribbean (GWP-C)
- Vision 2030 Jamaica – National Development Plan Thematic Working Group Member, Environment and Natural Resources Management/ Sustainable Urban & Rural Development.
- Member, Inter-American Development Bank (IADB) Civil Society Consulting Group (ConSoc) Jamaica – The Environment, Energy and Infrastructure Thematic Group
- Member, National Fisheries Policy Steering Committee: Climate Change and Disaster Risk Management sub-committee
- Elected to the Steering Committee for the Global Water Partnership (GWP-C)

- Co-chair for the Global Water Partnership (GWP-C) Technical Committee

Jullian Williams

- Presented at career day at Mel Nathan Preparatory (10th June 2016)

INCOME GENERATION

- **Arpita Mandal** (M. Taylor, Physics, and D. Smith, ISD) received funding from CDKN –ICLEI for Development of Inside Story for the project “Climate Change and Inland Flooding in Jamaica”. Inside Story to be developed based on CDKN’S Second Sub-National Learning Programme, Phase II. Moving from SubNational planning to implementation. Amount: 10,800 Euro (July 2015–June 2016).
- **Arpita Mandal** received funding from CDKN for Outreach work on Lessons learnt from the CDKN project “Climate Change and Inland Flooding in Jamaica”. Work involves training disaster coordinators and parish representatives on using ODK app to collect disaster data and upload them on a open source platform for use by stakeholders in planning and policy making. Amount 10,500 Euro (June 2016–November 2016).
- **Kevon Rhiney** (in conjunction with Z. Guido, C. Vaughan, M. Madajewicz, L. Goddard and T. Allen (Columbia), T. Buizer, J. Finan and D. Liverman [Arizona]) received funding for the project “Integrating Climate Information and Decision Processes for Regional Climate Resilience: Jamaica Coffee Leaf Rust Project.” Project funded under a Sub-award Agreement with Columbia University N.Y., totalling US\$83,985.
- **Kevon Rhiney** (in conjunction with P. Noxolo [Univ. of Birmingham], D. Featherstone [Univ. of Glasgow], R. Jaffe [Univ. of Amsterdam], S. Mains [Univ. of Dundee] and R. Cummings [Univ. of Toronto]) received funding for the project “The Caribbean In/Securities Network: Creativity and Negotiation in the Caribbean (CARISCC).” Full Grant £118, 475 (approx. £28,115 allocated to DoGG/UWI). Duration: Covers activities up to 2017/2018.

STUDENTS

Undergraduate Students: Geography

Year I 143

Year II 35

Year III 23

Undergraduate Students: Geology

Year I 108

Year II 37

Year III 23

Postgraduate Students

MPhil Geography 4

MPhil Geology 4

PhD Geography 4

PhD Geology 2

DEPARTMENT OF LIFE SCIENCES



Professor Paula Tennant BSc *UWI*, PhD *Cornell University*
Head of Department

During the 2015/16 academic year, the Department continued its commitment to the realization of the strategic perspectives of the 2012/17 UWI Strategic Plan, through its focus on teaching, staff and student development, research and public service. We successfully completed a Quality Assurance Review.

WORK OF THE DEPARTMENT

Undergraduate Programmes

Enrollment at Level 1 has remained stable at approximately 500 for the past three years. In all, 558 students were enrolled in the Biology courses offered in semester 1 and 470 in courses offered in semester 2 of this academic year 2015/16. Enrolment at Level 2 decreased by 10% and by 10–20% in the environmental courses at Level 3. The Level 1 courses saw increased passes in the 2015/16 academic year. Semester 1 courses

(BIOL1017 and BIOL1018) averaged 58 and 57% pass, respectively, while semester 2 courses (BIOL1262 and BIOL1263) averaged 75% and 34%. The performance of students at Level 2 improved or was close to the historical precedent (40-84%). Percentage passes of 70% and higher were obtained with most the courses (88%) at Level 3. Overall, the distribution of percentage passes across the courses is comparable to that under the previous GPA scheme and it appears that faculty and students have accommodated the revised GPA scheme. This year, we awarded 128 Bachelor of Science degrees- one First Class and 24 Upper Second Class Honours. The double major programmes represented by Environmental and Experimental Biology degrees, were more popular among graduates and accounted for 31%; the single majors, Animal Biology and Marine Biology, accounted for 25% and 23%, respectively.

Summer School

The DLS summer school was efficiently managed by our summer school coordinator, Ms. Christine Lawson. A total of 418 students registered for and sat 37 courses. All courses were 'MEX exams-only' sittings of previously offered courses. Overall performance at levels 1 (32–64% pass), 2 (38–80% pass) and 3 (33–100% pass) was found to be similar to that of students in the normal semesters. This summer the Dive course recorded the highest number of registrations to date; 15 students were trained and certified as PADI Open Water Divers. Twenty six students were attached to organizations across the island for the six week-Internship programme. The students involved in the programme received good evaluations from their supervisors at the host organizations and in some instances students were encouraged to apply for vacant positions within the organizations.

Taught Graduate Programmes

Cohorts of 7 (2014/15) and 29 (2013/14, 2012/13, 2011/12) students are pursuing MSc Degrees in MSc in Marine and Terrestrial Ecosystems (MaTE) and Agricultural Entrepreneurship, respectively. Twelve MSc

students graduated in October 30, 2015; 7 with degrees in MSc MaTE and 5 MSc Agricultural Entrepreneurship. Two graduates were awarded the MSc MaTE degree with distinction.

The revised MSc in Plant Production and Protection (PPP) has not been offered since 2012/2013 due to low enrolment. The Department is in the process of reorganizing the programme which will involve a change in the name to improve marketability and a change in the structure of the programme to increase its compatibility with other MSc programmes offered in the Faculty.

Graduate Research Programmes

The Department welcomed two new PhD and 5 MPhil students at the beginning of the 2015/2016 academic year. One MPhil successfully upgraded to PhD (Botany) while two PhD (Zoology and Environmental Biology) and 4 MPhil (Zoology) degrees were awarded in the 2015/16 academic year.

Research Output

During 2015/16, DLS' research output consisted of 14 conference presentations, 14 referred publications, 8 book chapters/monographs and 11 patent/technical reports. The average, based on 17 academic staff gives 2.7 publications per staff member when all categories of publications are considered (total=45). Last year 2014/15, the average was at 3.7 and the year before 2013/14, 2.7. Of note, 11 oral presentations and one poster were presented by graduate students. Graduate students co-authored three of the publications in peer reviewed journals and the monograph.

Staff Matters

The 2015/16 academic year saw the promotion of Mona Webber to the rank of Professor. Professor Webber has earned international recognition as an expert in plankton-linked research and more recently is involved in

mangrove ecology. She has used her research to engage and educate over 20 cohorts of between 30–60 final year students in the disciplines of Oceanography and Coastal Ecology. The Department recognized the careers and achievements of two retiring Faculty members, Dr. Karl Aiken and Dr. Kisan Vaidya in August (2015). Both Dr. Aiken and Dr. Vaidya stayed on one year in post-retirement appointments. Dr. Eric Garraway and Ms. Marcia Creary Ford (Environmental Data Manager in the Centre for Marine Sciences) were off on Sabbatical leave for the 2015/16 year. Dr. Dwight Robinson was appointed as Head of the Department, effective as of next academic year 2016/17.

Port Royal Marine Laboratory (PRML)

The PRML continued to support teaching, research and outreach on the Campus by hosting UWI undergraduate and MSc classes, research students and staff from various departments. More than half of the courses offered in Life Sciences were provided with specimens for laboratory classes confined to the campus due to size or the need for specialist equipment. In addition, PRML hosted the course BIOL2408 (Diving for Scientists) in June 2016 and accommodated one Intern registered in the Internship course BIOL3412. More than 12 researchers or research students were supported during the period. PRML research projects focused on baseline surveys of vulnerable and impacted mangrove forest areas around Jamaica. Another project with The US Department of the Interior saw to the installation of a 25kw photovoltaic system, 1.2kw wind turbine system, solar water heaters, energy efficient windows in the main office as well as LED lights. During the reporting period, staff members received training in various aspects of Hyperbaric operations, open water SCUBA diving and Maritime operations.

PRML participated in 23 onsite or offsite outreach activities for the year, reaching over 4,000 members of the public. This included the annual Marine Mania Summer camps which hosted children over two weeks during the summer period (July 2016). Thirty eight children from ages 6–9 and 10–14 were hosted in successive weeks. Other outreach activities included hosting 108 teachers and students for the World Wetlands Day

activities (February 2, 2016), filming of CVM's World Environmental Day documentary highlighting pollution of the Kingston Harbour, and a clean-up of the Port Royal Beach with the UWI First Year Experience group (May 31, 2016).

Last November 2015, the PRML celebrated its 60th Anniversary. The PRML, founded in 1955 by Professors Ivan Goodbody and David Steven, celebrated the milestone with several activities which included a church service at the UWI Chapel, provision of tours to PR Citizens, a Beach Day for past researchers at Lime Cay and a Reunion at the PRML. Several former graduate students and researchers attended, some of whom came from the region and from Europe for the special occasion. A special attendee was Mrs. Charlotte Goodbody, widow of the late Professor Goodbody.

Centre for Marine Sciences (CMS)/Discovery Bay Marine Laboratory (DBML)

The Centre for Marine Sciences (CMS)/Discovery Bay Marine Laboratory (DBML) continued to fulfil its mission of engaging in research, training and outreach in Caribbean Marine Sciences. The research programme continued to develop with pre-existing projects such as the monitoring of NORANDA Maintenance Dredging activities and monitoring of an artificial reef (ECOREEF) installation. Others such as Coral and Mangrove Nurseries and Coastal Ecosystem Rehabilitation projects were expanded to generate an increased number of seedlings/fragments or to accommodate more sites around the island. Two new projects/consultancies were implemented – benthic surveys in Cayman (US\$63,446) and Sandals Mangrove mitigation (US\$9,830). Staff members received training in boat handling, SCUBA diving, DNA/RNA extraction, data analysis and the identification of fish and invertebrates using the Reef Check protocol. Staff published one book chapter, two research papers and 8 technical reports during 2015/16.

Teaching duties continued with the assisted delivery of the courses, Principles of Ecology (BIOL2403), Diving for Scientists (BIOL2408), Sustainable Use of Fisheries Resources (ZOOL3408), Caribbean Coral

Reefs (BIOL3409) and Marine Invasive Alien Species (BIOL6420) - for both undergraduate and post graduate students. Five interns, three registered in the Internship course BIOL3412, one HEART Trainee and two International students, were accommodated. More than 5,000 individuals benefited from the Lab's Outreach programme through site visits or offsite displays organized by the Scientific Officers. Following-up on Eco Camp's 2015 success in hosting over one hundred youngsters, Eco-camp 2016 recorded its second highest number of campers to date. One hundred and twelve youngsters spent 3 weeks learning about the fundamentals of the marine environment and anthropogenic impacts on them; as well as how their actions can impact the conservation and protection of this environment.

DBML, with support from the Jamaica Environment Trust (JET) and the Tourism Enhancement Fund (TEF), organized activities at 3 underwater sites and 4 on land sites for International Coastal Clean-up day-September 19, 2015. A total of 150 volunteers from across Jamaica assisted in the collection of 107 bags of garbage. In April, the DBML was the site for the holding of the Global Coral Reef Monitoring Network (GCRMN) – Caribbean Guidelines Capacity Building Workshop: Towards comprehensive coral reef monitoring. This workshop had 35 persons coming together to share ideas, strategies, thoughts, best practices over the two days. The Jamaican Defence Force (JDF) Exercise Tradewinds saw the DBML hosting 23 students (coast guards) from Bahamas, Barbados, Belize, Grenada, St. Kitts & Nevis, St. Vincent & Grenadines and Trinidad & Tobago. The contingency included 14 Canadian Army Officers and 4 Jamaican Instructors who taught skills such as hull search and inspection, general search and recovery and clearance, and dive medical officer duties over an 18-day period in June 2016. Reef rocker workshops, a school outreach component of the Coral Reef Restoration programme with the Inter-American Development Bank (IDB) aimed at preserving the marine environment, through encouraging better care by the Jamaican population, continued island wide.

Quality Assurance review

One of the major activities embarked on this year was the review of the Department for the period 2010/15. The review included the programmes at Mona and at the CMS/DBML and PRML. The Review Team, headed by Dr. Sutherland Maciver, Reader in Medical Biology from the University of Edinburgh, visited between February 14 and 19, 2016. Meetings were held with various stakeholders, such as employers of graduates, academic, administrative, technical and service staff, students and key UWI management personnel. According to the final report, the Department's teaching continues to be delivered at a high standard and faculty is involved in research with international significance in spite of limited facilities and equipment. However improvements to the infrastructure, among other areas, are required to support continual improvement and expansion of activities against the background of increasing student numbers. Our response and an Action Plan are being prepared for review by the Faculty of Science and Technology Board and the Academic Board.

PAPERS PRESENTED

- **Benkeblia N.** "Can Metabolomics be a key to Understand Fructans Metabolism?" 8th International Fructan Symposium, Oaxaca, Mexico, June 26–July 1, 2016. Oral.
- **Benkeblia N, F Boyd.** "Common Pre- and Post-Harvest Diseases of Vegetable Crops in Jamaica". International Conference on Integrated Disease Management in Tropical Vegetables, The University of the West Indies, St. Augustine, Port of Spain, Trinidad and Tobago, June 16–17, 2016. Oral.
- **Boyd F.** "Reproduction and Pre-harvest Challenges in the Cultivation of *Pimenta dioica* L. (Merr.) in Jamaica". International Conference on Integrated Disease Management in Tropical Vegetables, The University of the West Indies, St. Augustine, Port of Spain, Trinidad and Tobago, June 16–17, 2016. Oral.
- **Benkeblia N, F Boyd.** "Pre-harvest Factors affecting Post-harvest

- Diseases of Vegetable Crops in Jamaica”. International Conference on Integrated Disease Management in Tropical Vegetables, The University of the West Indies, St. Augustine, Port of Spain, Trinidad and Tobago, June 16–17, 2016. Poster.
- Campbell C, N. **Benkeblia**. “Biochemical Variation of Tannins and Total Reducing Sugars during Three Ripening Stages of Naseberry (*Manilkara zapota* cv. Alano)”. Annual Meeting of the American Society of Agronomy, Crop Science Society of the America and Soil Science Society of America with the Entomological Society of America, Minneapolis, USA, November 15–18, 2015. Oral.
 - Dixon K, N. **Benkeblia**. “Biochemical Analyses of Ribena (*Syzygium cumini*) during Different on Tree Ripening Stages”. Annual Meeting of the American Society of Agronomy, Crop Science Society of the America and Soil Science Society of America with the Entomological Society of America, Minneapolis, MN, USA, November 15–18, 2015. Oral.
 - Emanuel M, Brecht J, Huber D. ‘Respiration Rate and Ethylene Production of Ackee (*Blighia sapida* Koenig) Fruit Harvested at Different Stages of Maturity’. Annual Conference of the American Society for Horticultural Science, New Orleans, Louisiana, USA, August 4–7, 2015. Oral.
 - Emanuel M, D **Robinson**. ‘Biodiversity Comparison of Conventional and Fair Trade Banana Farming Agricultural Systems in Dominica’. Dominica Country Conference, The University of the West Indies (UWI) Open Campus Dominica. Roseau, Dominica May 19–20, 2016. Oral.
 - Johnson L, P Umaharan, P **Tennant**. “The Detection of Sweet Potato Viruses in Jamaica”. Cariscience Annual Conference and General Meeting. Faculty of Science and Technology, The University of the West Indies, St. Augustine, November 25–27, 2015. Oral.
 - Lopez M, N **Benkeblia**. “Profiling of short chain fructooligosaccharides (scFOS) of ackee (*Blighia sapida* Koenig) through different maturation stages. 8th International Fructan Symposium, Oaxaca, Mexico, June 26–July 1, 2016. Poster.

- Richards R, N. **Benkeblia**. “Investigation of Some Maturity and Ripening Parameters of West Indian cherry (*Malpighia emarginata*)”. Annual Meeting of the American Society of Agronomy, Crop Science Society of the America and Soil Science Society of America with the Entomological Society of America, Minneapolis, USA, November 15–18, 2015. Oral.
- Steen S, M Lopez, N. **Benkeblia**. “Profiling of saccharides –glucose, fructose and sucrose- and short-chain fructo-oligosaccharides – 1-kestose, 1-nystose and DP5 of the photosynthetic leaves and the bulb of onion (*Allium cepa*) during growing and bulbification. 8th International Fructan Symposium, Oaxaca, Mexico, June 26–July 1, 2016. Oral.
- Sybron A, N. **Benkeblia**. “Some Anti-oxidant Properties of Phenolic Compound Extracts of Ackee Fruit (*Blighia sapida*), Seeds and Arils at Three Ripening Stages”. Annual Meeting of the American Society of Agronomy, Crop Science Society of the America and Soil Science Society of America with the Entomological Society of America, Minneapolis, USA, November 15–18, 2015. Oral.
- Williams R, N. **Benkeblia**. “Biochemical Analyses of Star Apple (*Chrysophyllum cainito*) during Different Ripening Stages”. Annual Meeting of the American Society of Agronomy, Crop Science Society of the America and Soil Science Society of America with the Entomological Society of America, Minneapolis, USA, November 15–18, 2015. Oral.

PUBLICATIONS

Books, Book chapters & Monographs

- Fermin G, M Randle, P **Tennant**. ‘Papaya ringspot’. In: *Virus diseases of Tropical and Subtropical Crops*. Ed by P Tennant P and G Fermin. CABI Boston MA. 2015, 144–161.
- Fermin G, P **Tennant**. ‘Viruses affecting Tropical and Subtropical Crops: Future Perspectives’. In: *Virus diseases of Tropical and*

Subtropical Crops. Ed by P Tennant P and G Fermin. CABI Boston MA. 2015, 237–239.

- Fermin G, Verchot J, Azizi A, **Tennant**. ‘Viruses affecting Tropical and Subtropical Crops: Biology, Diversity, Management’. In: *Virus diseases of Tropical and Subtropical Crops*. Ed by P Tennant P and G Fermin. CABI Boston MA, 2015, 1–16
- Fisher L, **P Tennant**, V Febres. ‘Tristeza’. In: *Virus diseases of Tropical and Subtropical Crops*. Ed by P Tennant P and G Fermin. CABI Boston MA. 2015, 189–201.
- **Tennant P**, G Fermin. *Virus Diseases of Tropical and Subtropical Crops*. CABI, Boston MA, 2015, 251 p.
- Tennant P, M Fuchs. ‘Engineered Resistance to Viruses: A Case of Plant Innate Immunity’. In: *Plant Pathogen Resistance Biotechnology*. Ed by DB Collinge: Wiley Blackwell, John Wiley and Sons, Inc., USA. 2016, 155–170.
- **Webber M**, H Calumpong, B Ferreira, E Granek, S Green, R Ruwa, M Soares. ‘Mangroves’. In: *World Ocean Assessment – I*. United Nation Publication – Cambridge University Press. 2016, 18 pp. http://www.un.org/depts/los/global_reporting/global_reporting.htm
- **Wilson B**, T Grant, R van Veen, R Hudson, D Fleuchaus, O Robinson, K Stephenson. ‘The Jamaican Iguana (*Cyclura collei*): A Report on 25 years of Conservation Effort. In *Iguanas: Biology, Systematics, and Conservation*. Ed by J B Iverson, TD Grant, C R Knapp and S A Pasachnik. Herpetological Conservation and Biology 11 (Monograph 6). 237–254.

Refereed Journal Articles

- **Benkeblia N**, MG Lopez. ‘Saccharides and Fructooligosaccharides Composition of Green and Ripe *Averrhoa carambola*, *Blighia sapida* and *Spondias dulcis* Fruits’. *Food Chemistry* 176 (2015): 314–318.
- **Benkeblia N**. ‘*Ganoderma lucidum* Polysaccharides and Terpenoids: Profile and Health Benefits’. *Journal of Food, Nutrition and Dietetics* 1 (2015): 101–106.

- **Benkeblia, N.** 'Free Radical Scavenging Capacity and Antioxidant Properties of Jamaican Jujube (Coolie Plum) (*Ziziphus mauritiana*) during Ripening'. *Current Nutrition and Food Science* 11 (2015): 199–203.
- Burn MJ, **S Palmer.** 'Atlantic Hurricane Activity during the Last Millennium'. *Scientific Reports* 5 (2015): 128–38.
- Butterfield J, E Díaz-Ferguson, B Silliman, J Saunders, **D Buddo, A Mignucci-Giannoni, L Searle, A Allen, M Hunter,** 2015. 'Range-wide phylogenetic structure of invasive red lionfish, *Pterois volitans*, reveals two regional clusters'. *Marine Biology* 162 (2015):773–781.
- Coy A, D Rankine, M Taylor, DC Nielsen, **J Cohen.** 'Increasing the Accuracy and Automation of Fractional Vegetation Cover Estimation from Digital Photographs'. *Remote sensing* 8 (2016): 474
- Holmes, I, **K McLaren, B Wilson** 'Niche Modeling for Management-ready Information in Little-studied, Threatened Frog Species Assemblages'. *Journal for Nature Conservation* 28 (2015):26–34.
- Lowe S. DR Le Mercier du Quesnay, PMH Gayle, F Henry-Pinnock, T Wedderburn-Buddo. 'Hyperbaric Oxygen Therapy: An Overlooked Therapeutic Option in Stroke Recovery and a Potential Source of Health Sector Revenue and Health Tourism'. *West Indies Medical Journal* 65 (2016): 1
- Luke D, **K McLaren, B Wilson.** 'Short-term Dynamics and the Effects of Biotic and Abiotic Factors on Plant Physiognomic Groups in a Hurricane-impacted Lower Montane Tropical Forest'. *Biotropica* 48 (2016): 332–341.
- Prosper K, K McLaren, T Pienkowski, **B Wilson B.** 'Assessing the Status of an Artisanal Shrimp Fishery in a Ramsar Wetland in Jamaica: The effects of Seasonality, Extreme La Niña Episodes and Elevated Temperature on Landings. *Limnologica – Ecology and Management of Inland Waters* 59 (2016):140–154.
- **Robinson D.** 'Bioaccumulation and Tissue Partitioning of Endosulfan by the Red Hybrid Tilapia' *OnLine Journal of Biological Sciences* 15 (2015): 97–103.

- **Rose PE, D Webber.** ‘The Development and future of the Jamaican Virtual Herbarium’. *Caribbean Museums*, 1 (2016): 27–34.
- **Waugh CA, JF Lindo, J Lorenzo-Morales, RD Robinson.** ‘An Epidemiological Study of *A. cantonensis* in Jamaica subsequent to an Outbreak of Human Cases of Eosinophilic Meningitis in 2000’. *Parasitology* 143 (2016):1211-1217.
- **Williamson D and N Benkeblia.** ‘Effects of Gibberellic acid and Calcium chloride on Colour, Phenolic Compounds, Carotenoids and Quality Attributes of white cabbage (*Brassica oleracea*) during Storage under Refrigeration’. *International Journal of Food Science, Nutrition and Dietetics* 4 (2015): 239-245.

Patents

- **Yee T, CT Watson, E Garraway.** "Methods of Controlling the Breeding Behavior of Butterflies." U.S. Patent 9,113,635, issued August 25, 2015.

Technical Reports

- **Buddo D, A. Mitchell, D. Chin, S Moonsammy.** “National Ballast Water Capacity Assessment and Economic Assessment (2016)”. Submitted to the International Maritime Organization, on behalf of the Maritime Authority of the Jamaica and the Centre for Marine Sciences, UWI.
- **Buddo D.** “Pedro Bank Rapid Ecological Assessment (2016)”. Submitted to the National Environment and Planning Agency.
- **Buddo D, D Henry.** “Baseline Report of Seagrass areas for the Expansion of the CUC Power Plant in Grand Cayman (2016)”. Submitted to Caribbean Utilities.
- **Gordon A, JE Cohen.** “Pre-planting Weed Survey for Onion Crops (August 2015)”. Submitted to the Onion Production Technical Working Group, Director General’s Office, Ministry of Agriculture & Fisheries, Jamaica.
- **Henry D, C Trench.** “Seagrass Restoration Project Progress Report:

DBML Technical Report #5 (2016). Submitted to National Environment Protect Agency (NEPA).

- Lindo A, **D Robinson**, **P Tennant**. Genetic Profile, Relatedness, Parentage and Morphological Features of Unique Cocoa Varieties identified in Jamaica (2015 ATN/ME-13437-JA). Submitted to the Jamaica Cocoa Farmers' Association (JCFA).
- Trench C, **M Webber**, P Gayle, S Thomas. “Sandals Royal Mangrove Mitigation Project. DBML Technical Report #6 (2016). Submitted to Sandals Resorts International.
- **Webber M**, C Trench, H Small. “Palisadoes Vegetation Rehabilitation: Mangrove replanting report and month 1 report. CMS Technical Reports 01 and 02 (2015)”. Submitted to National Works Agency, Ministry of Transport and Works, Jamaica.
- **Webber M**, C Trench, H Small. “Palisadoes Vegetation Rehabilitation: Mangrove seedling report (Month 4). CMS Technical Reports 03 (2016)”. Submitted to National Works Agency, Ministry of Transport and Works, Jamaica.
- **Webber M**, GM Maddix. “Review of existing International, Regional and National biodiversity Monitoring and Evaluation Tools including those being used by entities involved in Protected Areas Management (2016). Biodiversity Conservation Specialist report – Strengthening the Operational and Financial Sustainability of the National Protected Area System.

INCOME GENERATION

- **Rose P**, 2014–2015. Critical Ecosystems Partnership Fund (CEPF). Promoting Conservation of the Peckham Woods Key Biodiversity Area, Clarendon. US\$4,714
- Trench C (PI), **M Webber**, P Gayle, S Thomas, 2016. Sandals Royal Mangrove Mitigation Project. US\$9,830
- **Webber M**, 2015. Caribbean Utilities benthic Surveys (Cayman). US\$ 9,830

- Webber M, 2015. Noranda Eco reef – Monitoring of artificial reef structures established by Noranda Bauxite Company. US\$23,000

PUBLIC SERVICE

Dr. Karl Aiken

- Board Member & Chair of Fish Sanctuaries, Sub-committee Fisheries Advisory Board of Ministry of Agriculture & Fisheries
- Member, Aquaculture Industry Advisory Board, Ministry of Agriculture & Fisheries.
- Member, Board of Directors of the Caribbean Coastal Area Management Foundation (CCAMF)
- Member, CITES Scientific Authority of Jamaica- NEPA

Professor Nouredine Benkeblia

- Editor-in-Chief, *Plant Science Today Journal*
- Editor-in-Chief, *Journal of Food, Nutrition and Dietetics*
- Editor, *Agricultural Science Research Journal*
- Member, Agronomy Society of America
- Member, Crop Science Society of America
- Member, Regional Commission of Experts, Agence Universitaire de la Francophonie
- Member, IUCN Commission on Ecosystem Management (CEM)
- Member, International Tropical Fruits Network
- Assessor, University Council of Jamaica (UCJ) Examination
- External Examiner, Agricultural Programme, Montego Bay Community College (MBCC)
- External Examiner, College of Agriculture, Science and Education (CASE)
- Member, Plant Genetic Resources for Food and Agriculture, Ministry of Agriculture & Fisheries

Mr. Frederick Boyd

- External Examiner, Joint Board of Teacher Education (JBTE), Institute of Education, UWI, Mona.
- Member and Institution contact, Society for Economic Botany
- Member, International Association for Plant Taxonomists
- Member, International Society for Horticultural Science
- Member, Liaison for Department of Life Sciences for the Nature Preservation Foundation
- Member, Psychological Society of America
- Member, Research & Development and Seed Production Subcommittee, National Organic Agriculture Steering Committee (NOASC), Ministry of Agriculture
- Member, Standards Subcommittee, Jamaica Organic Agricultural Association (JOAM)

Dr. Dayne Buddo

- International Maritime Organization: Expert Task Force for Ballast Water Management Training
- Member, Regional Lionfish Committee
- Resource Scientist, Regional Ballast Water Task Force
- Member, National Fish Sanctuaries Committee
- Member, National Steering Committee for the Regional Invasive Species Project
- Member, National Invasive Species Working Group
- Board of Advisors, Ocean Foundation

Dr. Jane Cohen

- Member and Vice-chair, CITES Scientific Authority of Jamaica
- Member, Advisory Working Group on the Review of the Evaluation of Significant Trade, CITES

- Member, Jamaica Organic Agriculture Movement
- Member, Jamaican Society for Agricultural Sciences
- Member, Natural History Society of Jamaica
- Member, Plant Conservation Group, National Environment and Planning Agency (NEPA)
- Member, Plantwise National Steering Committee, CABI & Ministry of Agriculture & Fisheries, Jamaica
- Member, Soil Health Technical Working Group, Ministry of Agriculture & Fisheries

Mrs. Marcia Ford

- Chairperson, National Biodiversity Clearing House Mechanism Steering Committee
- Secretary, The Jamaica Statistical Society
- Member, Global Coral Reef Monitoring Network -Caribbean Steering Committee
- Member, University Sub Aqua Club
- Member, International Society for Reef Studies Member
- Member, Caribbean Academy of Sciences

Mr. Peter Gayle

- Chairman, Association of Marine Laboratories of the Caribbean (AMLC) Planning Subcommittee
- Member, Diving sub-group of the working group on Fisheries Management and related matters of the National Council on Oceans and Coastal Zone Management
- Member, National Fish Sanctuaries Network
- Reviewer, Revista de Biología Tropical & Wildlife Biology in Practice

Dr. Eric Garraway

- Advisor, Vincentian Students Association

Department of Life Sciences

- Member, Advisory Board, National History Division, Institute of Jamaica
- Member, Association of Tropical Lepidoptera
- Member, Natural History Society of Jamaica
- Member, Jamaican Iguana Working Group, NEPA

Dr. Tannice Hall

- Member, Natural History Society of Jamaica

Dr. Eric Hyslop

- Member, Jamaica Clearing-House Mechanism Steering Committee, Institute of Jamaica
- Member, CSEC Subject panel in Biology
- Member, NEPA Endangered Animals Recovery working group
- Member, Jamaican Iguana Working Group, NEPA

Dr. Kurt McLaren

- Member, National Invasive Species Working Group, NEPA

Dr. Dwight Robinson

- Director, Caribbean Academy of Sciences, Jamaica Chapter
- Chair, Pesticides Control Authority Pesticides Review Committee
- External Assessor for the Registration of Pesticides by the Pesticides Control Authority
- Member, National Plant Health Coordinating Committee, Jamaica

Professor Ralph Robinson

- Board of Directors, Jamaica Agricultural Development Foundation
- Executive Member & Regional Rep, Bioethics Society of the English-Speaking Caribbean
- Justice of the Peace, St. Andrew, Jamaica
- Member, American Society of Parasitologists

- Member, Lay-Magistrates' Association of St Andrew, Jamaica
- Scientific Member, The National Bioethics Committee of Jamaica

Dr. Philip Rose

- Member, National Invasive Species Working Group, NEPA
- Member, American Society of Plant Taxonomists (ASPT)
- Council Member, Jamaica Institute of Environmental Professionals (JIEP)

Professor Paula Tennant

- Member, American Phytopathological Society
- Member, Caribbean Academy of Sciences, Jamaica Chapter
- Member, Jamaica Society of Scientists and Technologists

Mr. Camilo Trench

- Coordinator/Member, Alloa Fisherman's Cooperative: Discovery Bay Special Fisheries Conservation Area Steering Committee

Dr. Kisan Vaidya

- Member, Gene Bank Committee, Jamaica
- Member, Review Committee, *Jamaica Journal of Science and Technology*

Professor Dale Webber

- Chairman, Board of Directors – Environmental Foundation of Jamaica
- Chairman, CL Environmental Company Limited
- Deputy Chairman, National Council on Ocean and Coastal Zone Management (NCOCZM)
- Chair, Diving Sub-Group of the National Council on Ocean and Coastal Zone Management
- Member, Board of Trustees – Jamaica National Park Trust Fund
- GraceKennedy Representative, Recycle Partners Jamaica

Department of Life Sciences

Professor Mona Webber

- UWI’s representative – National Conservation Trust Fund of Jamaica (NCTFJ) Board
- Member, National Council on Ocean and Coastal Zone Management (NCOCZM)
- Co-chair, Diving Sub-Group, NCOCZM
- Member of the Board, Association of Marine Laboratories of the Caribbean
- Member, CITES, Scientific Authority of Jamaica
- Member, National Ramsar Committee

Professor Byron Wilson

- Member, IUCN SSC Amphibian Specialist Group
- Member, IUCN SSC Boa and Python Specialist Group

Number of Graduates by majors and class of degree (before Summer School 2015/16)

2015/2016	Majors	Minors	BSc
Animal Biology	32	3	
Applied Plant Sciences	8		
Biology with Education			10
Environmental Biology			16
Experimental Biology			23
Horticulture	2		
Marine Biology	30		
Plant Biology/Plant Sciences	4	14	
Terrestrial and Freshwater Biology	3	3	
Human Biology		7	
Coastal Ecosystems		1	
Conservation Biology		5	

Numbers/Class of degree

Animal Biology	First	Upper-2	Lower- 2	Pass
		10	14	8
Applied Plant Sciences			2	6
Biology with Education		4	5	1
Environmental Biology		1	9	6
Experimental Biology		7	9	7
Horticulture			2	
Marine Biology	1	2	12	15
Plant Biology			2	2
Terrestrial and Freshwater Biology			2	1
TOTAL (128)	1	24	57	46

Departmental Prizes to students

Johnson, Tara	Sasikala Potluri Prize
Irvine, Jeanelle	Don Skelding Prize
Henry, Mikhail	Devi Prasad Prize
Coore, Kimberley	Vincent Hugh McKie Prize
Campbell, Gavin	Lloyd Coke Prize
Gibson, Natoya	Avinash Potluri Prize
McKenzie, Sashell	Charlotte Goodbody Prize
Howell, Shonee	Ivan Goodbody Prize

DEPARTMENT OF MATHEMATICS



Dr. Conall Kelly, BSc, PhD, *Dublin City University*
Head of Department

WORK OF DEPARTMENT

For the academic year 2015/2016, the teaching staff of the Department of Mathematics was composed of one Professor, five Senior Lecturers, four Lecturers, three Assistant Lecturers and two tutors. Of these, six members of staff hold a PhD (one, in addition to PhD, has a Higher Doctorate degree), one is a Fellow of the Canadian Institute of Actuaries (UK), and one is a Fellow of the Society of Actuaries (FSA). Mr. Howard Hines FSA fully assumed the duties of the post of Director of the Actuarial Science Programme in August 2015. Two members of staff – Dr. Peter Palmer and Miss Kimberly Boswell – departed on July 31, 2016.

The Mathematics Department received approval for a new BSc Mathematics of Finance programme which is to be offered from the 2016/17 academic year. The development of this programme was supported by the

department's Industry Advisory Board, which met in January and April 2016, and which also supports the internship programme and the career fair. The Department continues to collaborate with various departments in the Faculty, offering mathematics courses to suit their needs: MATH1185 for Chemistry & Physics students, COMP1110 for Computing students, and MATH1180 and MATH2330, for engineering students.

The department's internship programme expanded to include a Christmas internship, which placed 6 students at the Jamaica Mortgage Bank over the period January 6–15, 2016. The summer internship had 41 applicants, of whom 21 were placed over the summer at the Financial Services Commission, Scotiabank, Jamaica Stock Exchange, the Insurance Company of the West Indies, Guardian Life Ltd, and the Port Authority. The department has now also established a partnership with a major insurer, Blue Cross Blue Shield of Massachusetts USA (BCBSMA), to employ select graduates starting in 2016.

The Department held its 3rd Annual Mathematics Career Fair held on Friday November 20, 2015 in the department. 71 students registered, of whom 51 participated. The companies participating were the Bank of Jamaica, Guardian Life, the Port Authority, and Victoria Mutual Building Society. The event gave students a chance to receive feedback on their CVs, self-presentation and interview skills and provided companies with a change to vet students for recruitment in advance of their graduation.

Professor Biswa Nath Datta from Northern Illinois University visited the department over May 17–19 and gave a short course entitled “Numerical Linear Algebra with Applications to Science and Engineering” in the Department. It was well attended by students of both the Mathematics and Physics Departments.

For the second time in two years, a team of undergraduate students from the department – this year Miss Sheniele Grant, Miss Tamrah Brown and Mr. Serue Edwards – represented the UWI at the McNair Scholars Research Conference at FIU, in Florida, October 14–16, 2015, where they made a presentation entitled, “Simulation issues for stochastic asset price models”. Financial support was provided by the Office of the

Department of Mathematics

Principal, Mona Campus, and the Dean's Office, Faculty of Science and Technology.

MPhil student, Mr Dominic Mills-Howell, was selected to be among 280 (Bachelor's and Master's) students from 80 countries participating in the CERN summer student programme as an Associate Member of Personnel at the laboratory on the Franco-Swiss border near Geneva over the period June 27–August 19. His work at CERN entailed developing a prototype related to the control and debugging of future CMS upgrade projects, which will be used for the new high luminosity collision upgrades of the Large Hadron Collider.

Dr. Nagarani Ponakala was honoured as Distinguished Young Women Scientist from Jamaica/Caribbean by the Inter-American Network of Academics of Science (IANAS) for the year 2015. The department was also pleased to note that former Head of the Department, Professor Leslie Robinson, was honoured by the campus through the naming of a student Hall of Residence in April 2016.

In outreach, the department extended its CAPE workshops to offer one through the Western Jamaica Campus in January 2016. This was well supported by high schools in the Western part of the island. Two further workshops was also offered to corporate area high schools in April 2016, with good response.

CONFERENCE PARTICIPATION WITH PAPER/TALK PRESENTED

- **Mr. Kirk Morgan** presented a talk entitled “Non-existence of bound states for the Dirac equation in the Kerr-de Sitter Metric” at a seminar entitled “Stochastic stabilization of limit cycle dynamics arising in ecology and neuroscience” held at the Universidad de Los Andes, Bogota, Columbia, November 17–21, 2015.
- **Dr. Conall Kelly** organized the AIM SQuaRE: “Stochastic stabilization of limit cycle dynamics arising in ecology and neuroscience”. American Institute of Mathematics, San Jose, California, USA, May 23–27, 2016.

- **Dr. Conall Kelly** presented a talk entitled “Stabilization of Difference Equations with noisy prediction-based control” at the 22nd International Conference on Difference Equations and Applications, Osaka, Japan, July 24–29, 2016.
- **Dr. Dmitry Malinin** presented a talk entitled “Integral and globally irreducible representations of finite groups” at the conference “Finite simple groups: 30 years of the atlas and beyond” held at Princeton University, US, November 1–6, 2015.
- **Dr. Dmitry Malinin** presented a talk entitled “Integral Representations and their Applications” at the conference “Representation Theory and Mathematical Physics” held at the Steklov Mathematical Institute, St. Petersburg, Russia, May 23–28, 2016.
- **Dr. Dmitry Malinin** presented a talk entitled “Representations of Finite Groups and some Applications to Geometry and Physics” at the XXXV Workshop on Geometric Methods In Physics, 26 June – 2 July 2016, Białowie a, Poland.
- **Dr. Dmitry Malinin** presented a talk entitled “On the Globally Irreducible Representations of Groups” at the conference Rings and Polynomials, July–8, 2016, Graz, Austria.
- **Dr. Nagarani Ponakala** presented at talk entitled “Dispersion of a solute in unsteady Casson fluid flow in an annulus with wall absorption”, at the 60th Congress of Indian Society of theoretical and Applied Mechanics (ISTAM) held at Malaviya National Institute of Technology (MNIT) Jaipur, India, December 16–19, 2015. She also chaired a technical session.
- **Dr. Nagarani Ponakala** presented an invited talk entitled “Oscillatory flow effects on dispersion in Casson Fluids” at the International Symposium on Computational Fluid Dynamics, December 18, 2015, Maniple University, Jaipur, India.
- **Mr. Stephen Barnes** presented a poster entitled “A stochastic approach to pricing financial instruments for Caribbean markets” at the 2nd International Congress on Actuarial Science and Quantitative Finance, at Cartagena, Columbia, June 15–18, 2016

Department of Mathematics

- **Professor Alexandra Rodkina** presented two talks entitled "Discrete Ito formula and its Applications" and "On Population Dynamics Models with Stochastic perturbations" while a visiting researcher at the Department of Statistics, at University of South Africa (UNISA), Science campus, Florida, Johannesburg, June 1–July 31, 2016. Professor Rodkina's visit was funded by UNISA.

CONFERENCE AND SEMINARS PARTICIPATION WITHOUT PAPER/TALK

- **Mr. Ajani Ausaru** attended the conference "Centenary Celebration of General Relativity Theory: Andean School on Gravity and Cosmology" Universidad de los Andes, Bogota, Columbia, November 17–21, 2015.
- **Mr. Richard Plummer** attended the workshop "Applied Finance with R", University of Illinois at Chicago, USA, May 20–21, 2016.
- **Mr. Richard Plummer** attended the 2nd International Congress on Actuarial Science and Quantitative Finance, at Cartagena, Columbia, June 15–18, 2016.

INVITED VISITS AND SEMINARS

- **Dr. Nagarani Ponakala** attended an International symposium on computational fluid dynamics titled "Oscillatory flow effects on dispersion in Casson fluids" at Manipal University, Jaipur, India on December 18, 2015.

PUBLICATIONS

- E. Braverman and **A. Rodkina**, On convergence of solutions to difference equations with additive perturbations, *Journal of Difference Equations and Application* (2016), DOI: 10.1080/10236198.2016.1161762
- E. Braverman and **A. Rodkina**, Stochastic difference equations with the Allee effect, *Discrete and Continuous Dynamical Systems* 36:11 (2016), pp. 5929–5949.

- E. Braverman, C. Kelly and A. Rodkina, Stabilisation of Difference of Equations with noisy prediction based control, *Physica D: Nonlinear Phenomena* 326 (2016), pp. 21–31.
- C. Kelly, Stochastic stability analysis of a reduced galactic dynamo model with perturbed alpha effect, *Physica A: Statistical Mechanics and its Applications* 457 (2016), pp. 480–491.
- D. Malinin, On integral absolutely irreducible representations of finite groups, *Journal of Algebra and Its Applications*, 15: 3 (2016).
- D. Malinin, One construction of integral representations of p-groups and some applications, *Chebyshevskii. Sbornik*, 16:3 (2015), pp. 322–338.
- J. Jaraden, D. Malinin, On Some Finite Arithmetic Groups and Generalized Permutation Modules, *Appl. Math. Inf. Sci.* 9:4 (2015), pp. 1763–1770.
- N. Ponakala and B. Thomas-Sebastian, Dispersion of a solute in unsteady Casson Fluid flow in an annulus with wall absorption, Proceedings of the 60th Congress of ISTAM (Indian Society of Theoretical and Applied Mechanics), MNIT, Jaipur, Rajasthan, India, December 16–19, 2015.

INCOME GENERATION

The Department, through Dr. Dmitry Malinin, received partial funding of €12,000 from the Centre International de Mathématiques Pures et Appliqués (CIMPA) to host a Research School entitled “Representation Theory and Applications to Differential Equations”. The school will be held in January 8–20, 2017, at the UWI Mona campus in collaboration with the Mona School of Engineering, who are providing additional financial support.

The department received its share of income generated by the MSc Enterprise Risk Management over the first two years of operation, amounting to J\$2,850,286.

Summer school generated income of J\$900,653.50.

PUBLIC SERVICE

Dr. Conall Kelly

- External assessor for academic staff promotion for the University of Guyana in December 2015
- Member, University Council of Jamaica reaccreditation team for assessment of mathematics programmes at the Northern Caribbean University, Mandeville, in February 2016

Dr. Nagarani Ponakala

- Member, Board of External Examiners, School of Mathematics and Statistics, University of Technology, Jamaica
- Member, Board of External Examiners, The University of the West Indies, St. Augustine Campus, Trinidad & Tobago
- Independent external examiner for PhD. thesis of Mr. Dayle Jogie, University of the West Indies, St. Augustine Campus, March 2016

Members of the department also regularly act as editors and peer reviewers for international journals.

STUDENTS

Over the past 5 years, the department has graduated an average of 75.8 B.Sc. students per year with a major or minor in Mathematics; Majors in Actuarial Sciences, Mathematics with Education Studies, Mathematics and Economics and Mathematics & Modelling Processes.

For the past 5 years, a total of 379 students graduated from the department. This is broken down as follows:

2011	2012	2013	2014	2015
68	62	105	74	69

This year a total of 13 students graduated with First Class Honours degree.

The number of students graduating in each programme over the last five years is shown below:

Year	Math	Actuarial Sci.	Math/ Ed	Math/ Econ	Math/ Modelling	Total
2011/12	18	33	2	15	-	68
2012/13	18	26	6	10	2	62
2013/14	19	38	18	26	4	105
2014/15	8	57	2	3	4	74
2015/16	7	56	1	2	3	69

For the year 2015/16 the number of registered undergraduate in the department is as follows:

Preliminary Level	–	329
Level I	–	536
Level II	–	229
Level III	–	109

MATHEMATICS BRIDGING PROGRAMME

The Mathematics Bridging Programme, which ran over 9 weeks in Semester 1 of the academic year and which provides support to students entering the faculty with weak basic mathematics skills, had 27 registered students. One of those received the Bridging Programme Scholarship which waives the fee charged to participants. Diagnostic testing shows improvement in basic mathematics skills for participants over the course of the programme. Going forward, the department seeks to increase participation by highlighting the programme during outreach and orientation events.

Mathematics Olympiad

Drs. Raymond McEachin and Sam McDaniel with the assistance of Dr. Peter Palmer and Mr. Ajani Ausaru served as host to the 2016 Central American and Caribbean Mathematical Olympiad (CENTRO) held in Jamaica June 15–23 at the UWI, Mona Campus.

Jamaica made history by being the first English-speaking country to host the CENTRO in its 18 years of competition. A team of 3 students, aged 16 and under, represented countries such as Columbia, Costa Rica, Cuba, the Dominican Republic, El Salvador, Guatemala, Honduras, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, and Venezuela.

We are pleased to report that a Jamaican student, Jason Salmon of Champion College, won a gold medal. This is the highest achievement a Jamaican student has ever earned in an international mathematical competition. Another student, Adjaynae Billings of Ardenne High School, won an Honourable Mention. Jamaica's third student, Phillip Lloyd of Glenmuir High School, narrowly missed winning a bronze medal. The team finished in 8th place among the 13 countries competing.

GRADUATE PROGRAMMES

MSc. Enterprise Risk Management

The fourth cohort of ten students commenced in September 2015. In November 2015 we saw our second set of graduates from this programme with 3 students receiving their degrees with Distinction of the 4 persons eligible to graduate. This year, the students of the third cohort are expected to complete the requirements for the award of their degree.

MSc. Mathematics Programme

A new cohort of 3 students entered the Msc. programme in September 2015. One of these qualified for the Mathematics Bursary, awarded at the start of Semester 2.

This year, seven MSc. students satisfied the requirements for the award of their degree and are expected to graduate in November 2016. Three will be awarded with distinction.

Research Students

During the 2015/16 academic year there were 5 MPhil student and 3 PhD students registered in the department. Of those, Mrs. Binil Thomas-Sebastian, was awarded a PhD in Mathematics in October 2015, and Mr. Andre Small was awarded an MPhil Mathematics in February 2016 with high commendation.

DEPARTMENT OF PHYSICS



Professor Michael A. Taylor, BSc, MPhil, UWI,
PhD University of Maryland, College Park
Head of Department

OVERVIEW

Undergraduate and postgraduate curricular reform and staff recruitment were among the primary objectives for the 2015/16 academic year. Undergraduate forums were instituted that targeted the development of soft skills useful to future graduates. Outreach activities to high schools and community colleges remain a priority.

Undergraduate Curriculum Reform and Teaching

The Bachelor of Science in Electronics and Computer Science was developed in collaboration with the Department of Computing and will be on offer in 2016/2017. This three-year programme will target students who matriculate normally to the University and wish to develop proficiencies in both disciplines.

Student satisfaction with teaching is generally high. The number of students pursuing advanced level courses remain high while numbers at Level 1 continue to reflect a minor decline.

Two members of staff were added to the academic staff complement. Dr. Marhoun Ferhat joined with a specialization in Materials Science and Dr. Venketswarao Penugonda returned with a specialization in General Physics. A laboratory technologist position was regularized and filled by Mr. Chadwick Barclay.

One student will graduate with First Class Honours. Approximately 17 students completed the requirements for majors or minors in Physics. In keeping with its drive to reward exceptional students, as well as mentor them to achieving honours, the Department in collaboration with the Mona School of Engineering continues to induct new and returning students to the Physics and Engineering Honours Society. This year 19 Physics and 27 Engineering students were inducted.

Research and Graduate Activity

The five (5) Research Groups are active and continue to attract new grants. Research areas include Statistical and Dynamical Downscaling of Climate Data, Evaluation of Renewable Energy Technologies and modelling Renewable Energy Resources, Examination of the effect of wireless device use on human health in realistic environments, Compact Stars in General Relativity and Astrophysics, BioGlass, Novel Applications of Optics, Human Speech Recognition, and the Detection of Trace elements in BioSamples.

The Department obtained approval for a revised M.Sc. programme in Advanced Electronic System (formerly Digital Technology) to commence in the 2016/17 academic year.

The Department produced sixteen (16) publications. Half of the publications were co-authored by Graduate Students. Dr. Tannecia Stephenson received the Principal's Award for the Most Outstanding Researcher in the Faculty of Science and Technology. The Climate Studies Group Mona won the award for Most Outstanding Research

Department of Physics

Activity. Postgraduate student Dale Rankine received an award for the Most Outstanding Thesis in Faculty of Science and Technology for his thesis entitled Assessing yield response to water in root crops in present and future climates: An application of the FAO Aquacrop Model for Jamaican Sweet Potato, *Ipomoea Batatas*. Professor Michael Taylor received the Vice Chancellor's Award for Most Outstanding Research Accomplishments.

Graduate enrolment was 25 Research students and 22 MSc students. One PhD was awarded: Christopher Burgess; and two MPhil's: Mr. Daren Watson and Miss Jhordanne Jones. Eight MSc's were awarded.

Under the Caribbean Catastrophe Risk Insurance Facility (CCRIF) Internship programme, postgraduate students, Mrs. Roxann Stennett-Brown and Miss Christina Douglas, received internships to the Climate Studies Group, Mona and Mr. Alton Daley to the Caribbean Community Climate Change Centre in Belize.

Outreach and Public Service

The Department hosted its Annual CAPE Workshop for high school students. The workshop was held at Mona Campus on January 11–15 and at Western Jamaica Campus on January 7, 2016. Over 1000 sixth form students attended from over 30 high schools. Approximately 52 students from 3 prominent high schools also visited the Department in February 2016 to conduct Physics experiments to aid with the International Assessment (IA) of the CAPE syllabus. The Department continues to actively participate in Outreach Activities of the Faculty and University. These include Research Days 2016 where the Climate Studies Group, Mona showcased climate tools for decision-making, Western Fair 2016, Titchfield High School Career Day, Relay for Life 2016, Science in the Park, Jonathan Grant High School Open Day and the Climate Walk hosted by the Environmental Solutions Limited.

Pre-Labour Day Project

An inaugural Pre-Labour Day Project was undertaken on Friday, May

20, 2016 and supported by staff and postgraduate students. Activities included the painting of the interior section of the three-storey building and the planting of flowers in the Physics car park and the Quadrangle.

Infrastructure Upgrade

Renovations to the Materials Science Lab and a Technical Staff Centre commenced in Summer 2016. The work should be completed ahead of the start of Semester 2 of 2016/17. An office space was renovated and made available for use by the Pilot Program for Climate Resilience (PPCR) Program Management Unit.

Recognitions and Awards

A business plan submitted by Energy and Environmental Physics and Electronics final year student, Yekini Wallen-Bryan, won the GreenTech Innovation Boot Camp hosted by the World Bank in partnership with the CaribbeanCIC. This automatically granted Mr. Wallen-Bryan entry into the accelerator programme hosted in May 2016 to help fund and launch his business and product: Plug An' Pree. The product enables users to remotely monitor and control any electrical load on their property from their computer, tablet or smartphone.

A team from the UWI Mona Alternative Energy Club was awarded first place in the BRIDGE Program Competition for its concept on Girls Enrolled in Alternative Energy Retention (GEAR) Initiative. The team included postgraduate students, Mr. Alton Daley and Mr. Dudley Williams, and undergraduate students, Miss Jamila Walters and Miss River Providence, with advisors Dr. Tanya Kerr and Mrs. Cherri-Ann Scarlett. The concept paper focused on the inclusion of women in the renewable energy sector and included an innovative mix of demonstrations, advertisements, internships, scholarships, mobile application and other technologies.

A team of Level 2 electronics engineers, electronics and computer science students placed 3rd in the IEEE International Robotics competition held Saturday, April 2, 2016 in Virginia, USA. They competed against 46

Department of Physics

universities within southeast USA. Team members were: Yekini Wallen-Bryan – team captain; Paulo Williams, Richard Harris, Aisha Robinson, Khalid Sharpe, Sean McBean, Jason Brown, Locksley Murray, Kriston Kong and Dane Miller. Mr. Lindon Falconer was the team advisor.

Milestones

Ms. Sandra Fairweather and Mr. Trevor Hall were recognized for 21 years of service to the University of the West Indies. Dr. Kert Edward was promoted to senior member in the international organization SPIE. The promotion was for "Achievements in optical imaging and optics education".

Departmental Statistics

Table1: Total Undergraduate Student Registrations

	Semester 1		Semester 2		Year Totals	
	Current	Previous	Current	Previous	Current	Previous
Preliminary	86	64	65	51	151	115
Intro Physics	120	127	93	86	213	213
Intro Electronics	48		65	113	113	113
Year II	352	128	254	124	606	252
Year III	133	58	170	81	303	139
Totals	739	377	647	455	1,386	832

Postgraduate Student Enrolment:

MPhil – twenty (20) students (F/T and P/T); PhD – five (5) students;
MSc – twenty (22) students (all years)

Prizes Awarded

- The Professor John Lodenquai Prize for Introductory Physics: Isaac Alfred;
- Level II – Departmental Prizes: Jason Tomlinson and Karlus Redway;
- Michael Tharmanathan Physics Bursary: Theodore Wynter;

UWI Postgraduate Scholarships

- Alton Daley (MPhil Physics)
- Darrion Walker (MPhil Physics)

Significant Funding

- **Dr. Kert Edward** – Received USD\$50,000 with Dr. Delgoda to develop a flow cytometer and to test specific local products for their efficacy in treating cancer.
- **Dr. Kert Edward** – Awarded JA\$500,000 from UWI MONA to complete Optical Characterization of Ackee Project.
- **Dr. Tanya Kerr** – Awarded JA\$1,500,000.00 from the UWI New Initiative Grant Programme for the project Post fire temperature profiling of concrete compartments using Raman Spectroscopy.
- **Dr. Marhoun Ferhat** – Awarded JA\$1,500,000.00 from the UWI New Initiative Grant Programme for the project Band gap engineering in silicon Clathrates based materials for photovoltaic energy conversion.

PUBLICATIONS

Journal Articles

- Coy, A., D. Rankine. M. A. Taylor, D. Nielsen, J. Cohen, 2016: Increasing the Accuracy and Automation of Fractional Vegetation

Cover Estimation from Digital Photographs. *Remote Sensing*, doi:10.3390/rs8070474, www.mdpi.com/journal/remotesensing. IF 3.036

- **Jones, J.J., T.S. Stephenson, M.A. Taylor, and J.D. Campbell,** 2016: Statistical downscaling of North Atlantic tropical cyclone frequency and the amplified role of the Caribbean low level jet in a warmer climate. *J. Geophys. Res. Atmos.*, 121, doi:10.1002/2015JD024342. IF 3.94
- **Miller, M. O., and D. A. Miller,** 2016: The Technological Enhancement of Normally Occurring Radioactive Materials in Red Mud due to the Production of Alumina. *International Journal of Spectroscopy*, Volume 2016 (2016). IF 0.79
- **Rao, P.V., G.N. Raju, P.S. Prasad, C. Laxmikanth, N. Veeraiah,** 2016: Transport and spectroscopic properties of nickel ions in ZnO B2O3 P2O5 glass system. *Optik-International Journal for Light and Electron Optics* 127 (5), 2920-2923. IF 0.742
- **Edward, K. and F. Farah,** 2015: Non-destructive evaluation of nanoscopic subsurface features in fabricated samples. *CIRP Annals-Manufacturing Technology* 64(1), 503-506.
- **Ricketts, P., H. Fletcher, M. Voutchkov,** 2015: Impact of maternal diet and natural environment on placenta mercury levels in Jamaica. *West Indian Medical Journal*. DOI: 10.7727/wimj.2015.239 IF 0.26
- **Simms, S. and J. F. Dorville,** 2015: Thermal performance of a hybrid photovoltaic-thermal collector with a modified absorber. *International Conference on Renewable Energy Research and Applications (ICRERA), Palermo, 2015*, pp. 600-605. doi: 10.1109/ICRERA.2015.7418484
- **Stephenson, T. S., M. A. Taylor, A. R. Trotman, S. Etienne – LeBlanc, A. O. Porter, M. Hernández, D. Boudet, C. Fonseca, J. M. Spence, A. Shaw, A. P. Aaron-Morrison, K. Kerr, G. Tamar, D. Destin, C. Van Meerbeek, V. Marcellin, A. C. Joseph, S. Willie, R. Stennett-Brown and J. D. Campbell.,** 2016: [Regional Climates]

Caribbean [in State of the Climate in 2015]. *Bull. Amer. Meteor. Soc.* 97(8), S181-S182. IF 7.929

- **Williams, D.** and J. F. Dorville, 2015: Predicting thermal impact of Light pipe on air temperature in room using OLS-Multiple Regression. International Conference on Renewable Energy Research and Applications (ICRERA), *Palermo*, 2015, pp. 913–916. doi: 10.1109/ICRERA.2015.7418542
- Pal R., **K. Edward**, J. Yang, and G. Vargas, 2016: Multiphoton Autofluorescence microspectroscopy in hamster model of oral epithelial pre-cancer and cancer. *Lasers in Surgery and Medicine*, 48, pp. 6–6.
- Himarnaheswara Rao, V., P. Syam Prasad, **V. Penugonda**, L. F. Santos, N. Veeraiah, 2016: Influence of Sb₂O₃ on tellurite based glasses for photonic applications, *Journal of Alloys and Compounds* 687 (2016) 898-905, <http://dx.doi.org/10.1016/j.jallcom.2016.06.256> IF 3.014
- Mandal, A., **T. S. Stephenson**, **A. Brown**, **J. Campbell**, **M. A. Taylor**, and **T. Lumsden** 2016: Rainfall-runoff simulations using the CARIWIG Simple Model for Advection of Storms and Hurricanes and HEC HMS Tools: Implications for Hurricane Ivan over the Jamaica Hope River watershed, a case study. *Nat. Hazards* (2016) 83: 1635. doi:10.1007/s11069-016-2380-3. IF 1.746
- Oglesby, R., C. Rowe, A. Grunwaldt, I. Ferreira, F. Ruiz, **J. Campbell**, L. Alvarado, F. Argenal, B. Olmedo, A. del Castillo, P. Lopez, E. Matos, Y. Nava, C. Perez, and J. Perez, 2016: A High-Resolution Modeling Strategy to Assess Impacts of Climate Change for Mesoamerica and the Caribbean. *American Journal of Climate Change*, 5, 202-228. doi: 10.4236/ajcc.2016.52019 IF 1.39
- Moron, V., Gouirand and **M. A. Taylor**, 2015: Weather types across the Caribbean basin and their relationships with rainfall and sea surface temperature. *Climate Dynamics*. Doi: 10.1007/s00382-015-2858-9 IF 4.708
- Jones, P. D., C. Harpham, I. Harris, C. M. Goodess, A. Burton, A.

- Centella-Artola, M. A. Taylor, A. Bezanilla-Morlot, D. Martinez-Castro, J. D. Campbell, T. S. Stephenson, O. Joslyn, K. Nicholls and T. Baur, 2015: Long-term trends in precipitation and temperature across the Caribbean. *Int. J. Climatol.*, 10.1002/joc.4557. IF 3.609
- Suresh, B., M.S. Reddy, J. Ashok, A.S.S. Reddy, **Penugonda V. Rao**, V.R. Kumar, 2016: Enhancement of orange emission of Co 2+ ions with Bi 3+ ions in lead silicate glasses, *Journal of Luminescence* 172, 47–52. IF 2.693

Reports

- Eitzinger A; Rhiney K; Farrell A; Carmona S; van Loosen I; **Taylor M.** 2015. Jamaica: Assessing the impact of climate on cocoa and tomato. CIAT Policy Brief No. 28. Centro Internacional de Agricultura Tropical (CIAT), Cali, Colombia. 6 p. <https://cgspace.cgiar.org/handle/10568/70143>
- Eitzinger A; Farrell A; Rhiney K; Carmona S; Van Loosen I; **Taylor M.** 2015. Trinidad & Tobago: Assessing the impact of climate change on cocoa and tomato. CIAT Policy Brief No. 27. Centro Internacional de Agricultura Tropical (CIAT), Cali, Colombia. 6 p. <https://cgspace.cgiar.org/handle/10568/70144>

Conference Proceedings

- P. Green, R. Marxer, S. Cunningham, H. Christensen, F. Rudzicz, M. Yancheva, **A. Coy**, M. Malavasi, L. Desideri, F. Tamburini, CloudCAST – Remote Speech Technology for Speech Professionals. In Proceedings of Interspeech 2016, San Francisco, United States.
- **A. Coy** and K. Cumberbatch, The Use of Technology for Enabling Communication with the Deaf. Regional Disabilities Conference, March 2016, Kingston Jamaica.
- P. Green, R. Marxer, S. Cunningham, H. Christensen, F. Rudzicz, M. Yancheva, **A. Coy**, M. Malavasi, L. Desideri, Remote Speech Technology for Speech Professionals – the CloudCAST initiative.

In Proceedings of the 6th Workshop on Speech and Language Processing for Assistive Technologies at Interspeech 2015, Dresden, Germany.

- **S. Simms** and J. F. Dorville, Thermal performance of a hybrid photovoltaic-thermal collector with a modified absorber. International Conference on Renewable Energy Research and Applications (ICRERA), November 22–25 2015, Palermo, Italy.
- **D. Williams** and J. F. Dorville, Predicting thermal impact of Light pipe on air temperature in room using OLS – Multiple Regression. International Conference on Renewable Energy Research and Applications (ICRERA), November 22–25 2015, Palermo, Italy.
- **K. Edward** and Chadwick Barclay, Design and Characterization of a Fiber Optic Solar Indoor Lighting (FOSIL) System with Active Tracking. International Hydrogen Conference, The Hydrogen Economy – A Sustainable Energy Diversification Option for the Caribbean, November 3–4, 2015, Kingston, Jamaica

PUBLIC SERVICE

Andre Coy

- Member, International Speech Communication Association
- Convenor, Physics Panel for Caribbean Examination Council
- Reviewer Journals, *IEEE Transactions on Audio, Speech and Language Processing*, *Computer Speech and Language*, *Instrumentation Science & Technology*;
- Member, IEEE Signal Processing Society
- Member, IEEE Communications Society
- Member, STEM Integration Committee – Ministry of Education
- Advisor to the Ministry of Education – Core Curriculum Unit.

Victor Douse

- Chairman, Cement Technical Committee, Bureau of Standards

Department of Physics

- Technical Assessor, Jamaica National Agency for Accreditation (JANAAC)
- Chairman, Aggregates Technical Committee
- Vice Chairman, Building and Associated Materials Committee.

Kert Edward

- Senior Member, SPIE;
- Member, American Association for Cancer Research, Optical Association of America, IEEE
- Member (elected), Institute of Physics, The Scientific Research Society (elected)
- Reviewer, Optics Letters, Optics Express, Biomedical Optics Express, Applied Optics, Optical Engineering and Tissue Engineering, Mathematical Biosciences
- Reviewer, SPISE program for the Caribbean Science Foundation.

Louis-Ray Harris

- Member, IEEE Electromagnetic Compatibility Society
- Member, IEEE Antennas and Propagation Society

Leary Myers

- Chairman, Town and Country Planning Advisory
- Member, Board, Transport Authority

Tanya Kerr

- Member, Board, Editorial Advisory Journal, '*Sample Preparation*' de *Gruyter open*

Tannecia Stephenson

- Member, WMO Task Team on Guide to Climatological Practices;
- Member, CORDEX Science Advisory Team, Joint Scientific Committee of the World Climate Research Programme (WCRP)

- Reviewer Journals, *Climate Research*, *Climate Dynamics*, *International Journal of Climatology*

Michael Taylor

- Member, Board, Water Resources Authority
- Member, Climate Change Advisory Board, Ministry of Land, Water, Environment and Climate Change
- Member, Steering Committee, Pilot Project on Climate Resilience (Caribbean)
- Reviewer Journals: *Journal of Geophysical Research*, *International Journal of Climatology*, *Journal of Climate*, *Climate Dynamics*, *Theoretical and Applied Climatology*, *Tellus A*.

Mitko Voutchkov

- Member, Board, International Centre for Environmental Nuclear Science (ICENS)
- Member, Jamaica's Energy Council, Ministry of Science Technology, Energy and Mining
- Life Member, International Society of Environmental Geochemistry and Health
- Chairman, Technical Advisory Committee “In-situ Methods for Characterization of Contaminated Sites”, International Atomic Energy Agency (IAEA)
- IAEA Technical Co-operation Expert in Nuclear Physics.

Venkateswara Penugonda

- External Examiner in Physics Division, UTECH
- Member, Materials Research Society (MRS)
- Reviewer, *Journal of Radiation Research and Applied Sciences*, *Materials Science-Poland* and *Spectroscopy Letters*.

MONA SCHOOL OF ENGINEERING



Dr. Paul Aiken, BSc. MPhil. *UWI*, MSc. PhD *Columbia University*
Head of School

WORK OF THE DEPARTMENT

Overview

Mona School of Engineering (MSE) has enrolled the first cohort in the BSc Electrical Power Engineering during August 2015. These first year students were readily employed as summer interns by JPSCo who eagerly anticipates their completion of the programme and joining their team. Applications for the 2016–17 year for the BSc Electrical Power Engineering has increased to over 130, with at least 33 confirmed acceptances. The number of applicants for engineering is trending up with over 850 applications for the four engineering programmes for the 2016–17 academic year.

The first cohort of five (5) Civil Engineering and four (4) Computer Systems Engineering students completed their programme of study in May 2016, along with the fifth cohort of Electronics Engineers. Traceability studies revealed that they were all gainfully employed within a month of

completing their final examination. Our industries are demanding larger number of our graduates and are pursuing various forms of partnerships geared towards attracting more students into engineering and providing tuition assistances and loans.

We have established academic partnerships with University of Florida and SUNY Binghamton University, and successfully implemented our very first online class. Prof Haniph Latchman taught the level 2 control systems course (ECNG2009) from his office at the University of Florida, to students sitting here in our Video Conference Room. This is significant for us as it sets the precedence for future classes to be taught by world renowned professors, who would have been otherwise unavailable. We will be exploring additional partnerships this year and have responded to preliminary discussions with the college of Engineering at the University of Pennsylvania, which they initiated.

The MSE successfully secured funding of J \$96 million to purchase state-of-the-art lab equipment for our undergraduate laboratories. We now have lab facilities for our electronics, electrical, civil and computer systems lab that put us on par with some of the top engineering schools. We continue to attract high-quality full time and part time lecturers with regional and international academic and relevant industrial experiences.

Our students continue to shine on the international arena. They competed and placed third in the International IEEE Southeast Robotics Competition, held in Virginia, USA. Engineering students continue to participate in engineering societies such as the Jamaica Institution of Engineers (JIE) student chapter and the Institute of Electrical and Electronics Engineers (IEEE) student chapter. Importantly, an Engineering Alumni Society was formed and an executive body has been formally created.

Enrolment Statistics

The number of applicants for engineering continues to increase, with the largest numbers applying to civil engineering. The graph in Figure 1 below shows the breakdown of the total number of applicants to each programme, number of offers made, number of acceptances of those

offers, and the eventual number that registered. Electrical power engineering commenced Sept 2015 so no prior data would have been available.

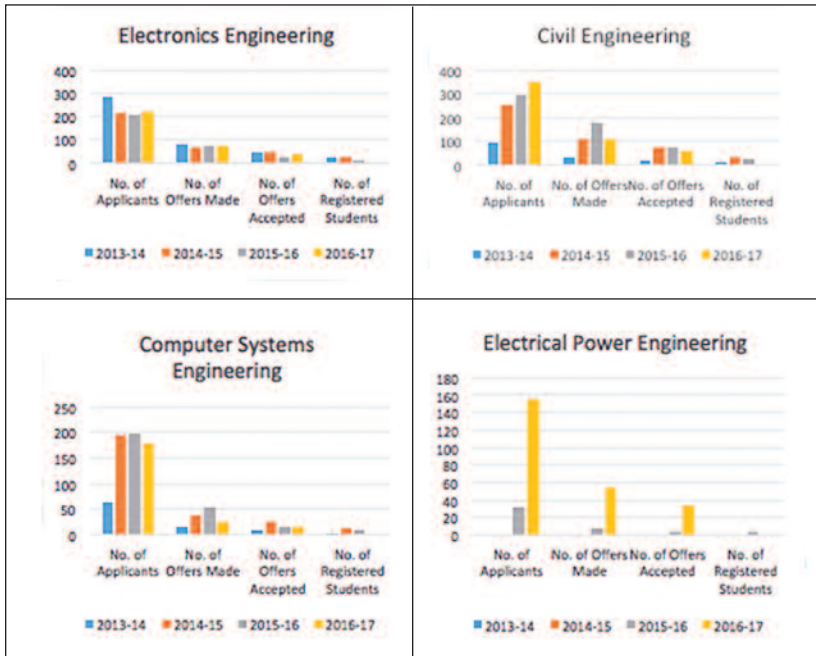


Fig. 1 Application statistics since August 2013 for each engineering programme.

It is important for us to study this trend as we use it to analyse our enrolment. For example, we noted that in this year (2015–16) there were a total of 297 applicants for civil engineering from which 181 offers were made to qualifying students. Only 28 students registered for civil engineering in September 2015 in spite of 77 applicants accepting our offer. The main reason cited is the lack of funding to pay the US\$10,000 tuition. It has therefore become very important for us to assist our students in finding ways to fund their education. The Director of MSE has been meeting with financial companies with the aim of persuading them to participate in special student loan programmes for engineering students. No firm commitments have been reached as yet, but we remain very optimistic, since the guaranteed employment for our graduates should minimize or eliminate repayment risk.

STRATEGIC INITIATIVES TO IMPROVE STUDENT'S LEARNING EXPERIENCE

Virtual Learning Environment

The Mona School of Engineering launched its virtual learning environment, the Mona School of Engineering Virtual Learning Environment (MSEVLE). This system hosts a wide range of academic resources for staff and students across all four (4) engineering programmes. Additionally, the offices and laboratories were upgraded with LAN and wireless internet access points. Lecture rooms were renovated to increase student comfort and new chairs/desk were added.

Online parts store

The MSE has created an online store where students may order components for labs and projects. Students now have the convenience of purchasing components for their respective programmes online with the launch of the MSE Stores, an online store and inventory management system which facilitates online purchasing of electronics components for students

Online Teaching

The School has retrofitted its conference room to facilitate its first virtually flipped class in collaboration with Professor Hanif Latchman of the University of Florida (UoF). The use of technology mediated mechanisms as well as the flipped class room approach, is part of an ongoing research project on innovative teaching methods being introduced at the University of Florida's Electrical and Computer Engineering (ECE) Department.

New lab facilities

The Director of the MSE and the Campus Bursar worked jointly to secure a \$96 million loan to purchase equipment for the engineering undergraduate laboratories. This initiative was the brain child of Dr.

Ronald Robinson, of the Office of the Principal, who was instrumental in accessing potential funding for MSE developmental goals. The labs are now fully equipped for the coming academic year. The range of lab equipment may be viewed on our web page at <http://www.mona.uwi.edu/engineering/labs-and-facilities>.

Low Cost Programmer for Students

A low cost embedded systems programmer has been acquired and fully tested by Mr. Lindon Falconer (Electronics Engineer in MSE). The testing was completed in January 2016. This programmer along with an extension development platform will be introduced to students laboratory courses in years 1 and 2, and allow the student to develop and test microcontroller circuit designs in their own time. This is expected to enhance the lab learning experience for the Electronics and Computer Systems Engineering students.

Wireless Door Access System

In December 2015, Lindon Falconer designed, built and installed a wireless system for controlling the electronic lock and access on the main door in the Mona School of Engineering. This system includes a wireless buzzer that indicates when someone is at the door and enables the receptionist to remotely open the door by the press of a button. The next phase will include the installation of cameras with real time access via computers and smart phones.

ACADEMIC PARTNERSHIPS

University of Florida: The UWI Mona/ MSE signed a Memorandum of Understanding (MoU) with the University of Florida to support partnerships in teaching and research. The primary objective of this MoU is the development of cooperative efforts between Florida and UWI Mona, which will enhance the academic and research interchange between the two institutions. Recognizing the importance of mutual collaboration and the contributions to society made by institutions of

higher education, the parties desire to promote exchange between the faculty and students of the two institutions as well as the exchange of academic and research information. Specific projects in an area of educational or research interest will be selected as a result of coordination by Florida and UWI Mona at the appropriate administrative level in each institution. Professor Haniph Latchman of UoF has been assigned the role of academic manager to liaise with and facilitate the terms of the MoU. The partnership has already fostered the implementation of online course offering by Professor Latchman to second year engineering students in the MSE.

SUNY/Polytechnic Institute

Dr Tania Henry established on-going research collaboration and signed visiting scientist agreement with SUNY Polytechnic Institute's, college of Nanoscale Science and Engineering, University of Albany. Research activities involved group III-Nitride semiconductor nanostructures.

SUNY/Binghamton University

Two draft Memoranda of Agreement (MoAs) have been submitted by SUNY/Binghamton University for collaboration with UWI/the Mona School of Engineering, starting academic year 2016–17. The first MoA speaks to The UWI Mona (and especially UWI Mona's School of Engineering) and Binghamton University (lead by the Thomas J. Watson School of Engineering and Applied Science) establishing a collaborative program that provides qualified students from UWI Mona an accelerated path to obtain a Master's degree in Electrical and Computer Engineering from Binghamton University through a combination of selected online courses and courses taken in residency on the Binghamton University campus.

The second MoA aims to foster advancement in teaching, research, academic collaboration and cultural understanding and to create avenues for enhancing learner experience at both entities, as well as strengthen both entities by finding ways of combining their complementary resources

and strengths. As part of this collaboration, UWI Mona and Binghamton University will broadly explore the following avenues for cooperation:

- Short courses, seminars, workshops, and courses provided by Binghamton University to UWI Mona
- Discussions on industry/university collaboration
- Faculty and/or administrator visits
- Support of conferences and workshops, the mode of support will be determined depending on topic, timing, and other considerations
- Discussions and sharing of information on incubation of start-up companies
- Discussions regarding Binghamton University's Center for Learning and Teaching
- Collaborative academic programs

University of Pennsylvania: Since the start of 2016, the University of Pennsylvania (UPenn) initiated discussions with MSE toward partnerships in teaching, research and student and staff exchanges. Discussions are ongoing.

ACCREDITATION

The Mona School of Engineering submitted a self-study document to ABET as the initial stages of application for accreditation for our BSc Electronics Engineering programme. Additional applications will be made for Civil and Computer Systems Engineering during the coming academic year. ABET is one of the leading global engineering accrediting body with the direct oversight of the Washington Accord.

OUTREACH ACTIVITIES

UWI Research Days 2016: The Mona School of Engineering's involvement in The UWI Research Days 2016 was greater this academic year with more interactive displays at the Tent and in the Faculty. The main interactive displays at the Tent were: Autonomous Robot for Shipping

Barge Challenge for the IEEE International Robotics Competition by the UWI Mona Robotic Team (the team came 3rd in the IEEE Competition). Structural Model of the Mona School of Engineering Building by the final year civil engineering students.

High Schools Visits

Representatives from the Mona School of Engineering in collaboration with the Marketing, Recruitment and Communications department visited a number of high schools and community colleges during the academic year. This has always been one of our major marketing space for our programmes and we make every effort to ensure that we fully participate.

Elaine Bryan Foundation Inspirational Luncheon

The University of the West Indies (UWI), Mona Campus, and particularly, the Mona School of Engineering (MSE) were invited to participate in the Elaine Bryan Foundation Inspirational Luncheon, Ritz-Carlton, Buckhead, Atlanta, Georgia, on May 15, 2016. An outreach team from The University of the West Indies consisting of Mr. Noel Morgan, Mrs. Marjorie Bolero-Haughton, Dr. Omar Thomas and Ms. Shanique Gray attended the Luncheon. The UWI outreach team was given the opportunity to promote the university at the luncheon. Mrs. Marjorie Bolero-Haughton gave a presentation on Programmes offered at The UWI with special emphasis on Engineering and other Science, Technology, Engineering, Arts and Mathematics (STEAM) programmes. The presentation was very well received and participants asked for the accompanying videos to be placed on the Elaine Bryan Foundation website. The UWI was named in their Magazine as one of the Foundation's Sponsor for the 2016 Inspirational Luncheon.

DONATIONS/CONTRIBUTIONS

Engineering Bursaries

Every year, very needy students who meet the minimum eligibility requirements are offered an engineering bursary in the range of J\$200,000 to J\$400,000. The recipient can be at any level in the programme and must maintain a minimum GPA of 3.0 to continue the bursary. Thus far, a total amount of J\$25.6 million has been awarded.

Registry Retreat

The MSE sponsored in excess of \$2 million to facilitate the 2016 retreat of the Office of the Campus Registrar to host a workshop to develop “Radical Collaborative” skills among senior and middle managers within the Registry. MSE hopes that this will assist the campus in attaining the strategic objectives in the management of its affairs.

Renovations in FST

The MSE donated \$22.2 million to facilitate renovation works to the Material Science laboratory of the Physics Department and to the entrance/lobby area and 2nd floor of the Science Library. Works commenced in July and are on track for completion at end of August. Works for resurfacing of the Spine walkway was approved for J\$14 million, but awaits availability of funds.

ENGINEERING ALUMNI ASSOCIATION

The Mona School of Engineering Alumni Association was launched on May 27, 2016. The president and other members of the executive body was appointed via a nomination and voting process. The main aims of this Alumni Association are to provide:

- a. a forum for the exchange of ideas which reflect the common interests of its members and uphold the principles, the integrity, and the traditions of the Mona School of Engineering;

- b. an avenue for the establishment of social, cultural and professional network among members;
- c. a vehicle for liaising between alumni in Jamaica and alumni in other parts of the world;
- d. a vehicle for liaising with Mona School of Engineering, identifying its requirements for maintaining its standards, for further development and for delivering the best quality education at the tertiary level, and
- e. a vehicle for developing and implementing projects aimed at supporting Mona School of Engineering, strengthening its institutional framework and encouraging the educational and intellectual development of its students.

AWARDS, GRANTS AND RECOGNITION

- **Dr Omar Thomas** – Recipient of the Research and Publication Fund, which was used to fund the trip to the 2016 International Conference on Transportation Development ASCE Conference in Houston, Texas.
- **Dr Adrian Lawrence** was awarded the ASTM International Journal of Testing and Evaluation's Outstanding Article Award for paper titled “Effects of Thermal Conductivity of Soil on Temperature Development and Cracking in Mass Concrete Footings”, published in Volume 43, Issue 5, 2014 (Awarded in December 2015)
- **Dr Tania Henry** received the research and publication grant of J\$ 1.5 million to support her research in Organic Light Emitting Diodes (OLED) and nano-engineering.
- **Dr. Tania Henry** – Recipient of the UWI Study and Travel Grant, which was used to fund the trip to the 58th Electronic Materials Conference (2016) in Newark, Delaware

PAPERS PRESENTED

- **Henry, Tania & Henderson, Nathan**, “Investigating the Effects of Photoanode Doping on the Performance of DSSCs.” UWI Research

Days, 2015, University of the West Indies, Mona, Campus (Poster Presentation).

- **Henry, Tania & Henderson, Nathan** “Investigating the Effect of Rare-Earth Photoanode Doping on Dye-Sensitized Solar Cells (DSSC) Performance.” Faculty of Science and Technology (FST) Conference, University of the West Indies, Mona Campus, (Oral Presentation)
- **McMorris, N. and Thomas, O.** “Emerging Trends in Effective Bridge Management versus Bridge Maintenance.” Jamaica Institution of Engineers Conference, Kingston Jamaica. September 21–23, 2015.
- **Thomas, Omar S. and Sobanjo, J. O.** “Semi-Markov Decision Process: A Decision Tool for Transportation Infrastructure Management Systems.” Proceedings of the 2016 International Conference on Transportation and Development, ASCE, pages 384–396. Houston, Texas. June 26–29, 2016.
- **Thomas, O.** “Effective Bridge Management versus Bridge Maintenance”. University of the West Indies, Research Days 2016, February 17–19, 2016.
- **Lawrence, Adrian;** "Mass Concrete Foundations – To Insulate or Not to Insulate?". Florida Transportation Builders Association/Florida Department of Transportation Specifications and Structures Committee Meeting, Orlando, Florida USA. November 2015

SEMINARS / WORKSHOPS

- **Omar Thomas** – AutoCAD Civil 3D Fundamentals Training held on June 20–23, 2016 at Novgar Services Limited, Kingston, Jamaica.
- **Omar Thomas** – Short Course: Updates to 2010 Highway Capacity Manual (HCM) to be held on June 26, 2016 at the ASCE International Conference on Transportation and Development 2016.
- **Omar Thomas** – American Society of Civil Engineers (ASCE) Annual Convention in New York, New York, USA. I attended a

number of professional development technical sessions, which were mainly focused on looking at the design, construction and maintenance of a number of bridges in New York City. (October 11–14, 2015).

- **Kirk Spence** chaired a session at the IEEE Communication Society Smart Grid Conference in Miami. November 2015.
- The MSE/MonaTech sponsored the participation of three female members of staff, **Sheena Woodburn, Shanique Gray, and Felicia Whyte**, to attend the JPS Women in Energy Conference (March 10–11, 2016).

PUBLICATIONS

- **Thomas, Omar S.** and Sobanjo, J. O. (2016) “Semi-Markov Models for the Deterioration of Bridge Elements.” The American Society of Civil Engineers’ (ASCE’s) *Journal of Infrastructure Systems*. 10.1061/(ASCE)IS.1943-555X.0000298.

INCOME GENERATION

Income from MSE

The Mona school of engineering continues to generate income from tuition collected for its four BSc programmes. A summary of the finances is as follows:

Item	Income	Expenditure
Billed Tuition	J\$ 141.6 million	
Actual amount paid	J\$ 98.2 million	
Surplus from last year	J\$ 36.1 million	
Engineering bursaries awarded		J\$ 25.3 million
Total unpaid tuition		J\$ 30.6 million
Total expense for 2015-16		J\$ 62.8 million
Cumulative Surplus	J\$71.5 Million	

Mona School of Engineering

Of the bursaries awarded, J\$6.6 million was awarded to 18 full-fee paying students during 2015–16, who started the programme since Sept 2013 and after. The remaining J\$18.7 million represents 80% of the full-fee that had been awarded to students who were registered before 2013 under the UGC subsidies fees, as was recommended during programme piloting. To facilitate full fee and UGC fee in the bursary accounting systems, the UGC was treated as a bursary award.

Commercial Activities: Mona Tech Engineering Services Limited

Mona-Tech Engineering Services was operationalized on April 7, 2015 and represents the commercial arm of the Mona school of Engineering. Its mandate is to provide internship type training to graduates of the MSE and to provide expert engineering support services to the Mona Campus, Jamaica and the Caribbean region. In doing so, Mona-Tech will generate a revenue stream for the Mona Campus, its majority shareholder.

During its first year of operation Mona-Tech established its presence on the Mona campus as a viable engineering entity that readily assists the campus in solving various engineering issues. Some notable achievements during its 2015–16 operation were:

- Facilitated a savings of J\$20 Million per year to the Mona Campus after Management and Operation of the AC Service park was contracted to Mona-Tech on January 1, 2016.
- Provided Technical oversight to Principal's office for determining a viable energy solution for the Mona Campus. This could lead to independence from JPS Grid and a potential revenue stream of US\$3.9 million per year.
- Proposed a contract for service for preventative maintenance for all AC units on the Mona campus (expected start date is September 2016). This is expected to save the campus a minimum of J\$20 million per year.
- Provided internships for students of the MSE

- Provided maintenance and consultancy services to University Hospital of the West Indies (UHWI)
- Served as the preferred Energy Audit Consultants by PetroCaribe. Mona Tech was also contracted to manage the implementation of the recommendations it made from the energy audits.
- Secured an agreement with the Minister of Health and his senior technocrats to be contracted for Biomedical Instrument repairs for all hospitals. Mona-Tech will assist in creating a policy framework to guide the procurement and maintenance procedure of biomedical equipment in Jamaica.
- Provided engineering and technical support to the construction and commissioning of the Cassava Processing Plant in St Elizabeth (ELIM)
- Effected many repairs to instruments on Mona Campus

Mona-Tech is growing at a very rapid pace and is quickly becoming the choice company for engineering support services in Jamaica. The paid up capital of Mona-Tech is J\$22.5 million and the summary of its financial performance up to July 31, 2016, is shown below.

Item	Forecasted	Actual	Comments (reasons for deviation)
Income	\$20,400,000	\$34,976,941	<ul style="list-style-type: none"> • MTES has been successful in securing additional contracts for engineering services • Maintenance projected earnings short fall by \$5mil, but engineering services exceeded its projection by \$13 mil. • \$6.6 mil was recovered (re-funded) for subcontracted services
Expenditure	\$20,280,599	\$44,695,649	<ul style="list-style-type: none"> • MTES fronted the cost for tools and contracted services in excess of \$19 million above the projected value and has not recover all investments as yet. • Salaries for new staff at the start of 2016
Surplus/ (Deficit)	\$119,401	(\$9,718,708)	<ul style="list-style-type: none"> • This short fall of \$9.6 mil is due to the increase in receivables from un-refunded payments made for tools and sub-contracting

Mona School of Engineering

A 5-year strategic plan has been completed with forecast surplus in excess of J\$600 Million by July 31, 2020.

The financial forecast for next year (Aug. 1, 2016–July 31, 2017) is as follows:

Item	Forecast for Aug. 1 2016 to July 31, 2017
Income	\$203,450,399
Expenditure	\$65,340,632
Surplus/(Deficit)	\$138,109,767

PUBLIC SERVICE

- **McMorris, Nicolas;** Coordinated Mona School of Engineering hosting of the second in its series of public lectures entitled “Jamaica’s First LEED® Building: A Case Study” on Thursday, April 9, 2015. The Guest Speaker was Mr. Federico Aguilar, Caribe Hospitality’s Project Director for Central America and the Caribbean.
- **Henry, Tania;** Panelist: women in motion networking series™: women in technology, New York, NY, hosted by the National Minority Business Council (NMBC), August 2015.
- **Smith, David A. Y.;** Worked as a member of the International Organising Committee (IOC) for the PIANC-COPEDEC conference to be held in Rio de Janeiro, Brazil. 2016
- **Aiken, Paul;** UWI Mona representative on the University Council of Jamaica (UCJ) Engineering Accreditation Committee.
- **Smith, David A. Y.;** Industry representative on the UCJ Engineering Accreditation Committee.
- **Aiken, Paul;** International Liaison for IEEE Smart Grid Conference, held in Miami by the IEEE Communication Society. November 2015

STUDENTS

International Recognition

- An eleven member delegation of students and a facilitator participated and placed third in the Institute of Electrical and Electronics Engineers (IEEE) Southeast Conference Robotics Competition, which was held March 30–April 3, 2016 in Virginia.

Scholarship and Bursaries

- Victoria Grant and Damali Cohen, 2nd year Civil Engineering students were the recipients of a full scholarship valued at US\$10,000.00 per year from the Gore Developments Limited.
- Over \$25 million engineering bursary was awarded

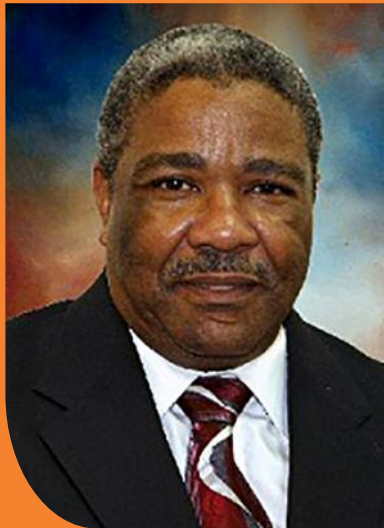
2015 Graduation

- Six students graduated with First Class Honours from the Electronics Engineering Programme.

FACULTY OF SOCIAL SCIENCES

Mona

Year ending July 31, 2016



PROFESSOR EVAN DUGGAN

BSc *UWI*, MBA, PhD. *Georgia State*

Dean

– *Dean’s Overview* –

The Faculty of Social Sciences began the academic year with the staging of its annual Faculty Day under the theme “My Perspective, My Plan: Where do I fit into the Faculty of Social Sciences Strategic Plan?” The overarching goal of the event was the fostering of a singleness of purpose in all aspects of faculty operations, establishing a common vision and building team spirit among colleagues.

ACHIEVEMENTS OF THE FACULTY OF SOCIAL SCIENCES

A number of members of staff were promoted during the year including: Dr Jessica Bryon to Professor of Caribbean International Relations and Diplomacy; Dr Garth Lipps to Professor of Applied Psychology and Dr Lou-Ann Barclay to Professor of International Business. Drs Christopher Charles, Stacy Brodie-Walker, Rosemarie Johnson and Andrew Spencer were promoted to Senior Lecturers.

According to the data from the Student Records Unit a total of 6,002 students registered for the first semester; of this number, 2,473 were new students, 2,035 undergraduates and 438 postgraduates. Three orientation exercises were held to welcome new students, two on the Mona Campus and one on the Western Jamaica Campus. For the second semester 160 new undergraduate students were admitted to the Faculty.

For the period under review a total of 1,252 students graduated from the Faculty, 897 Undergraduates and 355 postgraduate. 106 undergraduate

students received first class honours degrees and 79 postgraduate students received distinctions.

In an attempt to enhance the student experience, the Faculty created partnerships with outside entities/universities. In this regard, personnel from the University of Gothenburg (UoG) (Sweden) were hosted by the Faculty. The purpose of the visit was to discuss a proposed Linnaeus-Palme application for the academic year 2015/16 for a partnership between the UWI and UOG through the Department of Sociology, Psychology and Social Work, Mona; the Institute International, St. Augustine, and the UOG through the School of Global Studies. The application was approved for programme implementation in the academic year 2016/17, will include student and lecturer exchanges at the graduate level in Anthropology, Sociology of Development and International Relations. A Memorandum of Understanding will be signed which will outline the full programme between the universities.

BOOKS PUBLISHED

- **Dr Lou-Anne Barclay:** *Managing FDI for Development in Resource Rich States; the Caribbean Experience*. Palgrave MacMillan UK, 2015.
- **Dr Clinton Hutton:** *Colour for Colour Skin for Skin: Marching with the Ancestral Spirits into War Oh at Morant Bay*. Ian Randle Kingston, 2015.
- **Dr Clinton Hutton:** *Leonard Percival Howell and the Genesis of Rastafari*. University of the West Indies Press, 2015.
- **Dr Aldrie Henry-Lee (Editor):** *Pathway to Action: Social Policy in the Caribbean*. Ian Randle Kingston, 2015.
- **Professor Edwin Jones:** *Contending with Administrivia: Competition for Space, Benefits and Power*. Arawak Publications, 2015.
- **Dr Orville Taylor:** *Broken Promises, Hearts and Pockets: A Century of Betrayal of the Jamaican Working Class*. Arawak Publications, 2014

STUDENT ACHIEVEMENTS

During the period a total of 47 students from the Faculty were inducted into the Faculty of Social Sciences Honours Society, 45 from the Mona Campus and 2 from the Western Jamaica Campus.

All undergraduate students graduating with first class honours degrees received awards with 36 receiving special awards. In addition 74 Graduate students received distinction awards and 42 received special awards at the Faculty Graduate Awards Ceremony in November.

Ms Sherona Forrester from the Department of Economics was selected as the 2016 Rhode Scholar. She will pursue an MPhil Degree in Economics at Oxford University.

The students listed below completed their PhDs during the year:

- Kevin Duncan, Information System “A Secure Knowledge Resource Management Approach for Knowledge-Centric Providers of Information Systems”.
- Louis Moyston, Government “An Exploration into the Emergence of Leonard P. Howell and the Early Rastafari during the Critical Years of the Anti-Colonial Struggle in Jamaica from 1933–1938”.
- Steve Whyte, An Examination of the relationship between social network structures and software quality in free and open source software development”.
- Deloree Staple-Chambers “Predicting Tax Compliance”.
- Suzanne Wynter “Credit Risk in Government Mortgage Lending”.

CHALLENGES

Poor air quality and other related problems in the Alister McIntyre Complex continue to bedevil the Faculty. During the reporting period, the Principal was kept abreast of problems and has given his commitment to ensuring that staff and students are properly accommodated. An approval of approximately \$75M was committed to addressing issues regarding the poor indoor air quality. There are other issues that require

immediate attention and commitment was given to have all these addressed expeditiously.

In addition, the Faculty continues to deal with issues of inadequate rooms both for staff and students. It is an imperative for the Faculty to construct a new and modern building that will properly house its growing student and staff population

Teaching and Learning and Student Development

The Faculty's commitment to quality teaching and learning continues to be a major emphasis and the UWI can boast of the excellent ranking received in the recently published Eduniversal Best Masters Ranking 2016. Five Masters Programmes offered by the MSBM were ranked among the top 200 in regional rankings of nine geographical zones and top 10 for Latin America. The programmes are as follows:

- Master of Business Administration (Part Time) – Top 200 Best Masters in Executive MBA and MBA part time Global Ranking- Ranked 19th
- Master of Business Administration (Full Time) – Top 200 Best Masters in MBA full time Global Ranking – Ranked 15th
- Master of Science in Accounting – Top 200 Masters in Accounting and Auditing Global Ranking – Ranked 10th
- Computer Based Management Information System (CBMIS) – Top 200 Best Masters in Information Systems Management Global Ranking – Ranked 11th
- Masters in Business Management – Top 200 Best Masters in General Management Global Ranking – Ranked 16th

Eduniversal with its headquarters in Paris is a global ranking and rating agency with specialisation in higher education; it publishes its official ranking for the 4000 best Masters and MBA programmes annually.

A number of newly proposed Masters Programmes were approved by the Faculty Board and will be taken through the other approval process in

the coming year. It is expected that once full approval is granted the programmes will be marketed and offered for the Academic Year 2017/18. These programmes include: Logistics and Supply Chain Management, Marketing and Business Analytics, Service and Retail Management, Procurement, and Corporate Finance.

STAFF DEVELOPMENT

Despite severe financial constraints, the Faculty continued to invest in the development of its staff over the period. A number of members of staff presented at conferences or attended training sessions aimed at developing key skills. These include but are not limited to the following:

- MSBM launched a programme called “Writing Wednesday” with the aim of enhancing research productivity. In this programme, Faculty members meet solely to discuss academic writing.
- Training was held on integrating Client Relationship Management (CRM) into the workflow of application processing, administration, and the student Lifecycle from prospects to alumni
- Members of the Faculty attended a Lecturers’ Retreat at Sandals Resort International, the objective of which to job shadow heads of department in order to be exposed to current management approaches in the hospitality industry.
- Training was held by Bloomberg LLC representatives on navigating the Bloomberg terminal, in the Finance Lab.
- Training for the Faculty in Quick Books was held; this software will be incorporated in the courses to enhance student learning experience

OPERATIONAL PROCESSES

Under the current UWI Strategic Plan (2012–2017) the outgoing Dean was in charge of the Internal Processes Perspective campus-wide. The Perspective as detailed under the UWI Strategic Plan comprised three objectives and nine initiatives. One of the activities undertaken during the year was an agreement brokered with providers to increase the

capacity and coverage of the mobile data and voice network across the campus.

RESEARCH AND INNOVATION

The Faculty continues to demonstrate considerable skills in research and innovation. This was especially obvious on UWI Mona Research Day 2016 where a number of researchers were awarded the Principal's Research Award.

- Best Research Publication was awarded to Dr Heather Ricketts for the article: "Unlimited Unskilled and the Sex Segregation of Occupation in Jamaica"; Dr Suzette Haughton for the article "The 2009 Jamaica-USA Extradition Affair: A 'Securitized' Response to Jamaica's Drug Problem" and Dr Orville Taylor for the book, *Broken Promises, Hearts and Pockets: A Century of Betrayal of the Jamaican Working Class*.
- Most Outstanding Research was awarded to Professor Jessica Byron for the: "Development Regionalism in Crisis? Rethinking CARICOM, Deeping Relations with Latin America, CARICOM Foreign Policy since 2009: A Search for Coherence in National and Regional Agendas"; "The Slums of Empire and Gordon Lewis K. Lewis: Reflections on Decolonization and Sovereignty in the Caribbean. Freedom, Power and Sovereignty: The Thought of Gordon K. Lewis", with collaborator (Professor Patsy Lewis); and "A Caribbean Perspective on Regionalism. What Role for CELAC? EL ALBA-TCP".
- The Research Project attracting the most funds was awarded to Dr Maurice McNaughton and Dr Michelle McLeod (with collaborators Dr Kim Mallalieu and Dr Patrick MConney) for the project: "Harnessing Open Data to Achieve Development Results in Latin America and the Caribbean".

The Mona School of Business and Management in the Faculty of Social Sciences opened a Finance Lab which is a first for the Caribbean, the aim of which is to bridge the gap between the classroom and the real world of work.

OUTREACH

The Faculty continues to impact the wider society not only in research, but also community engagements. During the year, the Department of Government through its Governance Society in a joint effort with the Office of the Principal launched a Partnership Programme with the Organisation of American States (OAS). The objective of the programme is to promote citizenship education highlighting the importance of governance to society. For this initiative, the OAS will provide technical assistance and capacity strengthening to the Department which will in turn develop practical projects for civic education, which will be further developed into programmes for schools and communities across Jamaica.

A number of conferences, lectures, symposia and collaborations were organised and executed during the year and are listed below:

- Launch of Lecture Series on Latin American in the Caribbean (Department of Government)
- International Research Society for Public Management Regional Conference (Department of Government and MSBM)
- SALISES Caribbean Youth Development Conference (SALISES)
- Local Government Symposium (Department of Government)
- National Security Policy Seminar (MSBM)
- SALISES 10th Annual Caribbean Child Research Conference (SALISES)
- The SPSW Derek Gordon Research Seminar (SPSW)
- MSBM Reasoning with CEOs Series (MSBM)
- SALISES 17th Annual Conference (SALISES)
- Psychology Conference Theme: Psychology For Us, By Us: Strengthening Regional Development. (SPSW)
- Public Forum – The Assassination of Walter Rodney in Guyana: Reflections on the Commission of Enquiry Report (VC,GDS,DGOV)

- MSBM Symposium Theme Jamaica's Preparedness for the Opening of the Panama Canal
- Caribbean Student Drug Policy Conference (Department of Government)
- Public Forum, Elections 2016: Reflections and Next Steps (MSBM and Government)
- Academic Conference on International Football 2016 – The Business of Football
- Public Forum: An Export-led Economy Implications for Jamaica (MSBM)
- Public Forum: The RJR-Gleaner Merger: Implications for the Media Business in Jamaica (MSBM)
- SPSW Symposium: "Beyond Homophobia: Identifying Identities and Sexualities in Jamaica" (SPSW).

Professor Edward Gharthey was voted President Elect and Chairman of the African Finance and Economics Association (AFEA) for the 2017 annual Allied Social Science Association (ASSA) meeting to be held in Chicago.

A number of Faculty members continue to lend their intellectual capital to various institutions in Jamaica, within the region and farther afield. These include but are not limited to: Social Development Commission, ICAJ, Denbigh Agricultural Show, College of Insurance and Professional Studies, National Housing Trust, Ministry of Education's Early Childhood Commission, University Council of Jamaica, JBDC/Self-Start Fund/MIDA, Overseas Examination Commission.

The "MSBM Outreach Day" was held at the Fort George Early Childhood Institute in Annotto Bay, St Mary. The day's activities were sponsored by Tastee, Gabsean Limited and Sherwin Williams Paint W.I. who provided meals for volunteers, cleaning supplies and paints. The staff also donated educational toys, school supplies, a used television set, educational devices, utensils, small appliances, toiletries, a 800 gallon water tank, paint, painting supplies and a face basin.

CONCLUSION

Although there were various challenges during the academic year, the Faculty of Sciences continues to make strides in numerous areas. Student enrolment has increased by 4.4% over the previous academic year and this is expected to continue as new programmes are introduced to meet the growing global demand. Cutting edge research is being done and our students continue to positively affect Jamaica, the region and the world.

A number of new self-financed Masters programmes will be offered and the Faculty continues to review and revise current courses/programmes with changing world demand. The Faculty will continue to use technology to maximum benefit and try its best to improve the student experience, the result being that Social Sciences will continue to be the Faculty of choice at the UWI, Mona.

DEPARTMENT OF ECONOMICS



Dr. Damien King, PhD *NYU*, MSc *UWI*, BA *York*
Head of Department

WORK OF THE DEPARTMENT

During the year under review, the Department continued efforts towards achievement of the goals outlined in the strategic plan. The undergraduate programmes, particularly those in Economics and Banking and Finance, continue to be very popular and highly respected. Our revised first year courses are among the largest in the University, attracting large numbers of students from other departments and faculties. The MSc programme in Economics continues to be oversubscribed, with graduates typically being highly demanded in the public and private sectors. The popularity of our programmes is reflective of our emphasis on ongoing curriculum reform and public engagement. Faculty members continued to foster the visibility of the Department through public lectures, symposia, radio and television interviews, and articles in the printed media. This, combined with our research output and involvement in several scholarly, professional and public service activities, has resulted

in the Department of Economics continuing to make a valuable contribution to the UWI, Jamaica and the region.

Two new faculty members, Drs Nekeisha Spencer and Terence Yhip, were added to the Department during the year. Dr Spencer is a graduate of Binghamton University of New York where she holds a PhD and MA in Economics. She is a former student of the University of the West Indies, Mona where she graduated with MSc Economics and a BSc in Economics and Statistics. Terence Yhip, a visiting fellow for Academic Year 2015/16, holds a PhD in Economics from McGill University, Canada. The Department also said farewell to Miss Kimoy Sloley, Assistant Lecturer in the Department since August 2013 and Sherona Forrester, Assistant Lecturer for Academic year 2015/16. Miss Forrester is the recipient of the prestigious Rhodes scholarship for 2016. She has accepted a spot at the Oxford University, where she will read for an MPhil in Economics, starting in the academic year 2017/2018. Miss Petri-Ann Watson resigned her post as Senior Secretary in the Department to take up a position as Programme Coordinator in the Mona School of Business and Management. Dr Damien King's two terms as Head of Department came to an end on July 31, 2016. He was appointed to the post in the 2010/2011 academic year. Having received a research fellowship from the Principal's Office, Dr King is on one-year's research leave. The Department is extremely grateful for his years of leadership. Prof David Tennant replaced him as Head in August 2016.

The Department submitted a proposal to the Faculty of Social Sciences Faculty Board and Academic Board for a PhD programme in Economics. The objective of the programme is to provide students with strong foundations in microeconomics, macroeconomics and econometric theory, and to provide the resources and an enabling environment for students to acquire the skills necessary to conduct and disseminate advanced economic research. This will equip them to foster research-based policy formation at the highest level. This proposal will next be submitted to the Campus Committee for Graduate Studies and Research.

Undergraduate curriculum reform is ongoing. ECON3038: Operations Research II was changed to ECON3003 Game Theory for harmonization

purposes. ECON3034: Resource & Environmental Economics was introduced and will be offered in AY 2016–17. Environmental economics continues to play a significant role in developing and understanding solutions to current environmental problems. Its application is seen in issues relating to climate change, energy, pollution, water resource management, biodiversity and ecosystem conservation issues. This course addresses such issues by examining the underlying theories and tools that can be used to effectively guide policymakers in dealing with environmental challenges.

As part of the UWI Mona Research Days activities in February 2016, Drs Samuel Braithwaite and Terence Yhip created an interactive model of Jamaica's GDP, National Debt and other critical macroeconomic indicators. Using Microsoft Excel, the simple model sought to give users an appreciation of the relationship and interaction between key macroeconomic variables. It invited participants to pretend that they were the Minister of Finance for a day, and challenged them to consider the implications of the changes that they would make. For example, why not pay civil servants more? Why not lower interest rates rapidly and dramatically? Why not pump more money into subsidies and tax incentives? The well-received interactive model allowed the audience to see the impact of the changes in the macroeconomic variables that they had long been considering.

Professor Edward E Ghartey was voted President-elect and Program Chair of the African Finance and Economics Association (AFEA) for the 2017 annual Allied Social Science Associations (ASSA) meeting, to be held in Chicago, USA. His election took place at the January 2016 ASSA meeting. The annual ASSA meeting is organized by the American Economic Association (AEA), the most prestigious economics society in the USA. The AEA was founded in 1885, and is headquartered in Nashville, Tennessee, USA.

Professor Abdullahi Abdulkadri, on Wednesday, January 13, 2016 gave his inaugural Professorial Lecture, titled "Making informed decisions: The critical role of economics in evidenced-based decision making". During the lecture, he took the audience on a tour of his upbringing, his

scholarly and professional work, his professional relationships and experiences. Noting the many hats he has worn in terms of courses taught and fields of research, Professor Abdulkadri is indeed a Professor of Applied Economics. In underscoring the critical role of economics in the decision making process, he showcased his applied work in fields such as agricultural economics, environmental economics, energy economics, and health economics. Using a mixture of “complex” equations and practical explanations, he catered to the diverse audience of students, non-academics, and academics from different fields.

On Wednesday, March 30, 2016, Professor Mark Figueroa delivered a farewell lecture, to celebrate his years of service to the Department. The farewell lecture was titled, “Lessons from W. Arthur Lewis for Contemporary Economics.” This was a fitting topic, as Professor Figueroa spent much of his career researching and writing on the work of W. Arthur Lewis. Professor Figueroa officially left the DoE at the end of the 2014/2015 academic year.

The Department continued to engage in outreach activities during the academic year. On Wednesday, June 8, 2016, the Department of Economics in collaboration with the United Nations Economic Commission of Latin America and the Caribbean, hosted a half-day forum on “Enhancing the contribution of Preferential Trade Agreements to inclusive and equitable trade in the Caribbean.” The forum was opened by Dr. Damien King, Head of Department, and featured presentations from Dr. Marie Freckleton – Senior Lecturer in the Department, Dr. Andrea Pellandra of ECLAC, and Ms. Marcia Thomas, Ministry of Foreign Affairs, Jamaica. The forum was attended by academics and members of the public and private sectors.

In response to Britain’s vote to leave the EU, the Office of the Vice Chancellor, in collaboration with the Department of Economics and the Caribbean Policy Research Institute (CAPRI), hosted a well-executed, and well attended, one day forum on June 29 titled, “BREXIT: Implications for the Caribbean.” The forum had two main parts; a panel discussion and a series of presentations. Presentations were made by persons in Jamaica, the wider Caribbean, the USA, and the UK.

STAFF DEVELOPMENT

At the beginning of the academic year, 2015/2016, Dr. Nadine McCloud-Rose was promoted to the rank of Senior Lecturer.

PAPERS PRESENTED

- **Braithwaite Samuel**, "Endogenous Growth and Human Capital: Revisiting the Lewis Model and Strategy". SALISES 17th Annual Conference. March 30, 2016
- **Clarke Christine**, "Does the Coach Matter? Evidence from Jamaica" The Second Academic Conference on Football, Library Multifunction Room, UWI Mona
- **Figuroa Mark** "Lessons from W. Arthur Lewis for Contemporary Economics" UWI Regional Headquarters, March 30, 2016
- **Ghartey Edward**, "Effects of exchange rates on prices and inflation in Ghana," Roundtable Conference, Institute of Economic Affairs, Accra, Ghana, July 29, 2016.
- **Ghartey Edward**, "Empirical evidence of the role of financial developing and economic growth in Caribbean countries" XLVII Annual Caribbean Centre for Money and Finance Conference. November 18, 2015.
- **Ghartey Edward**, "Empirical Evidence of Exchange Rate pass-through to prices and inflation in Ghana" Allied Social Sciences Association (ASSA) organized by the American Economic Association, San Francisco. January 2, 2016.
- **Haughton Andre**, "Rethinking Economic Growth Theory, Escaping Third World Deadlock" IEA-RIDGE-IDB Roundtable on Economic Development and Growth 100 years after Arthur Lewis's Birth. October 14, 2015.
- **Haughton Andre**, "Monetary Mechanism and Interest Rate Speed of Adjustment in Jamaica" XLVII Annual Caribbean Centre for Money and Finance Conference. November 18, 2015.
- **Keil Jan**, "Financial Constraints and Investment – Evidence from

- U.S. Companies" IEA-RIDGE-IDB Roundtable on Economic Development and Growth 100 years after Arthur Lewis' Birth, Finance and Economics Conference, Frankfurt, Germany, Aug 5 –7, 2015
- **Keil Jan**, "The Greek Debt Crisis – A Critical Perspective", Embassy of Germany, November 4, 2015
 - **King Damien** "Correspondent Banking" JN Sponsored Forum, January 19, 2016
 - **King Damien** "How do Countries Get out of Debt? October 14, 2015
 - **King Damien**, "Asymmetric Bias and Self-Fulfilling Sovereign Defaults" Latin American and Caribbean Economic Association Annual Conference, October 15–17, 2015 (co-authored with David Tennant and Marlon Tracey)
 - **King Damien**, "Lessons of the Greek Debt Crisis" Embassy of Germany, November 4, 2015
 - **Spencer, Nekeisha**, "Green Economy: A Tool for Sustainable Development" Discussant, Launch of the Green Economy Scoping Study for Jamaica, Kingston, Jamaica, March 22, 2016
 - **Spencer, Nekeisha**, "The Impact of Hurricanes on Scholastic Achievement" Sir Arthur Lewis Institute of Social and Economic Studies Conference, Barbados, March 30, 2016
 - **Spencer, Nekeisha**, "From Vision to Reality: A Backcasting Model of Jamaica's Renewable Energy Target International Conference Santiago de Cuba, June 18–20, 2016 (with Abdullahi Abdulkadri, Alecia Evans, Sidonia Mckenzie and members of the PROCEED team)
 - **Spencer Nekeisha**, "Hurricanes? Let's Make a Move" Venice Summer Institute Workshop on Climate Change and Migration, Venice, Italy, July 22–23, 2016 (with Mikhail-Ann Urquhart)
 - **Tennant David**, "Sound Banking Systems and Economic Growth" Eastern Caribbean Central Bank's Annual Conference with Commercial Banks. November 4–6, 2015

- **Yhip Terence**, “Credit Analysis in the 21st Century – Is the Glass Really Half Empty?” UWI George Willie Lecture Series, March 23, 2016

DEPARTMENT OF ECONOMICS RESEARCH SEMINARS

- **Braithwaite Samuel** “Human Capital Flight and Growth, Revisiting the Lewis Model and Strategy”, February 11, 2016
- **Ghartey Edward** “The Causal Nexus between Growth & Financing Development in Trinidad and Tobago” September 10, 2015
- **Haughton Andre** “The Speed of Adjustment and the Monetary Mechanism in Jamaica, October 29, 2015
- **Keil Jan** “Is Lending Biased Against Certain Sectors”, January 28, 2016
- **Whitely Patrice and Spencer Nekeisha** “Who gets the Job? Sex, Class and Discrimination”. April 14, 2016

PUBLICATION

Refereed Book:

- **Tennant, D** and Tracey, M, *Sovereign Debt and Credit Rating Bias*, Palgrave-MacMillan. December 2015.

Refereed Journal Articles

- Fray-Aiken, C. M., Wilks, R. J., **Abdulkadri, A. O.**, & McCaw-Binns, A. M. "Cost of care of chronic non-communicable diseases in Jamaican patients: the role of obesity." *Farmeconomia. Health Economics and Therapeutic Pathways* 17.2 (2016): 81-95.
- **Abdulkadri, A.O.** "Big Data in the Post-2015 Development Agenda: Policy Implications for Official Statistics". *MSBM Business Review*, Jan-Feb (2016): 46-48.
- **Spencer, N.** and Solomon Polachek, “Hurricane Watch: Battening Down the Effects of the Storm on Local Crop Production”, *Ecological Economics* (2015) 120: 234-240

- Whitely, P “ “A” is for Attendance: The Impact of Class Attendance on Student Performance”, the *Journal of Education and Development in the Caribbean*, Volume 15, No. 1, 2016.

Technical Report

- **Abdulkadri, A., Evans, A. and Ash, T.** “An Assessment of Big Data for Official Statistics in the Caribbean: Challenges and Opportunities”, UN ECLAC- Studies and Perspectives Series – The Caribbean – No. 48, 2016.
- **Spencer, N,** “Natural Disaster Sovereign Risk: The Case of the Agriculture Sector in Jamaica”, World Bank November 2015.
- **Whitely Patrice and Christie Tamoya** “Improving Tax Compliance in Jamaica” USAID, October 2016.

PUBLIC SERVICE

Dr Andre Haughton

- Member, Private Sector of Jamaica Economic Policy committee (PSOJ EPC)
- Member, Inter-American Development Bank Civil Society Consultation

Professor David Tennant

- Member, Supervisory Committee of the Bank of Jamaica

Professor Edward Ghartey

- President-elect and Program Chair of African Finance and Economics Association for 2017

Dr Terrence Yhip

- Panellist for Tax Forum at the Hugh Lawson Shearer Union Education Institute for Social Development and Research Open Campus March 20, 2016.

Dr Christine Clarke

- Member, Board of the Bank of Jamaica
- Panellist for Holding Leaders Accountable in Economics and Governance, AZ Preston Hall March 10, 2016
- Special Lecture on Estimating Economic Returns for Social Investments, SALISES Graduate Cohort, March 10, 2016

STUDENTS

The number of students registered in the Department's undergraduate programme is as follows:

Major/Minor	Totals
Banking and Finance Major	486
Banking & Finance Major Economics Major	97
Business, Economic & Social Statistics	1
Economics Major	455
Economics Major Statistics Major	56
Economics Minor	102
Statistics Major	22
Statistics Minor	8

The number of students registered in the Department's graduate programme is as follows:

Programme	Total
MSc Economics	57
MSc International Economics & International Law	1

DEPARTMENT OF GOVERNMENT



Dr. Lloyd Waller
Head of Department

WORK OF THE DEPARTMENT

The Department collaborated with other departments and institutes to host several public events. These included:

2015

- October 9th – Lecture Series by Maximiliano Jara, Third Secretary, Consul of Chile in Kingston. The Lecture Series was titled “A Look from the South: Introduction to South American Reality on Historic and Current Processes” Maximiliano Jara graduated as a Journalist from the Diego Portales University.
- October 10th – Dr. Raymond Brown, Faculty Diplomat-in-Residence did a Guest Lecture in the course GOVT6070-Regionalism in a Globalized Age titled, “NAFTA at 21: A North America Community”

Department of Government

- October 13th – Professor Rupert Lewis did a Guest Lecture in the course GOVT2005-Caribbean Political Thought, in SR5 at 3:00pm titled, “Black Radicalism: From Garvey to Walter Rodney”.
- October 21st – the Department along with The National Commission on Reparations and in association with Ian Randle Publishers, hosted the launch of Dr. Clinton Hutton’s book, Colour for Colour Skin for Skin, Marching with the Ancestral Spirits into War Oh at Morant Bay, at the UWI Regional Headquarters, Mona.
- November 3rd – the Department hosted a Public Forum entitled, “Concepts in Global Security”, presented by Ambassador Luis Moreno, United States Embassy at the Eon Nigel Harris Council Room, Regional Headquarters, at the University of the West Indies.
- November 19th – Professor Jessica Byron hosted the showing of a film by Raoul Peck entitled “Fatal Development Assistance” at 2:30pm in SR5, Faculty of Social Sciences.
- November 20th – Stuart Harbinson, a Senior Fellow from the European Centre for International Political Economy (ECIPE) and Steven Fevrier, a Trade Expert (Former Trade Advisor to Small States, the Commonwealth Secretariat, Geneva) did a Guest Lecture in the course GOVT6069 – The World Trading System in Room 23 of the Old Management Studies Building. The presentations addressed the dynamics and alternative scenarios for negotiations in various disciplines leading up to, and during, the 10th World Trade Organization Ministerial Meeting in Nairobi, Kenya.
- November 21st – the students in the course GOVT2009 – Introduction to African Politics made a presentation where they represented 7 African countries (Angola, The Gambia, Algeria, Somalia, Tanzania, Rwanda and Sierra Leone) in their annual course simulation exercise. It was held in the Social Sciences Lecture Theatre at the University of the West Indies, Mona.
- November 21st – a Simulation exercise was carried out by the Model United Nations on the "Immigration Policy in a Changing European Union".

- November 26th – Dr. Vaughn Graham and Ms. Joanna Simpson presented at the Department of Government Graduate Research Seminar Series. Dr. Graham’s presentation was titled, “Development Assistance in Jamaica within the Changing Global Context” and Ms. Simpson’s was titled, “Staying-Out: The process of becoming an integrated, prosocial and law-abiding member of Jamaican society”.

2016

- January 28th – The Department of Government, The Centre for Leadership and Governance and the Institute of Caribbean Studies held a Graduate Seminar which included the following presenters, Dr. Herbert Gayle, Dr. Christopher Charles and Ms. Gleasia Reid. The presentations were as follows:
 - o Dr. Gayle’s presentation was titled, “How and Why Jamaicans Vote: A Glimpse of Integrated Methodologies”
 - o Dr. Charles and Ms. Reid’s presentation was titled, “Forecasting General Elections in Jamaica with the CHAMPSKNOW system”
- March 10th – The Department of Government, The Venezuelan Embassy in Kingston and The UWI-Latin America-Caribbean Centre (UWI-LACC), hosted the showing of a film entitled, “Chavez, on the Life of President Hugo Chavez” in recognition and commemoration of the 3rd Anniversary of his death on March 5, at 4pm at the Eon Harris Council Room, UWI Regional Headquarters.
- March 17th – Mr. Jean-Pierre Murray accompanied 9 students from the Department of Government, representing the Model United Nations Club and the Governance Society UWIMUN Club to the Ministry of Foreign Affairs and Foreign Trade’s Commonwealth Day Celebrations under the theme “An Inclusive Commonwealth”. Other guests included the British, South African and Trinidadian High Commissioners, as well as students from the Mona High School.

Department of Government

- March 21st–24th, The UWI Mona Model United Nations (UWI MUN) in association with the Department of Government hosted a Mental Health Week entitled, “Think Healthy”. The Jamaica Mental Health Advocacy Network and Respect Jamaica were also involved in the week of activities.
- March 21st – The Department of Government in association with the Mona School of Business and Management hosted a Public Forum, entitled, “Election 2016: Reflections & Next Steps” at Lecture Room 3, Faculty of Medical Sciences at 6:00pm. The presenters were Mrs. Maxine Henry-Wilson, Commissioner and CEO of the Jamaica Tertiary Education Commission & Former Minister of Education, Mr. Julian Robinson Member of Parliament for South Eastern St. Andrew & Deputy General Secretary of the People’s National Party, Senator Matthew Samuda, President, Generation 2000 (G2K) and Dr. Lloyd Waller, Head, Department of Government, UWI, Mona
- March 23rd–24th – The Department of Government, The Centre for Leadership and Governance and the Institute of Caribbean Studies, hosted “The Academic Conference on International Football 2016- The Business of Football” in the Multifunctional Room, the Main Library, from 9:00-5:00pm.
- March 24th – Dr. Kavita Johnson, Lecturer, Department of Government and Ms. Giuliana Urbina Mazzini, who works at the Public Affairs Section (Cultural Affairs Office) of the Embassy of the United States presented at the Department of Government Graduate Research Seminar Series. Dr. Johnson’s presentation was titled, “Caribbean Foreign Policies towards China and Japan: Small States in Changing International Relations” and Ms. Mazzini’s presentation was titled, “Placing Residents at the Heart: An Analytical Study of the Current Situation of the George Town World Heritage Site”.
- April 4th – Dr. Jacqueline LaGuardia of the Institute of International Relations, St. Augustine Campus did a Guest Lecture Presentation entitled, “Economic Changes and Cuban Society Today” as part of

the Department's graduate course in Latin American Politics (GOVT6067), in N2, Faculty of Humanities and Education.

- April 7th – the Department of Government in association with the Sir Arthur Lewis Institute of Social and Economic Studies (SALISES), hosted a Public Lecture on, “The Cuba-US Normalization Process” presented by Dr. Jacqueline Laguardia from the Institute of International relations, St. Augustine Campus.
- April 13th–15th – Dr. Eris Schoburgh attended the 20th Annual International Research Society for Public Management (IRSPM) Conference hosted by Hong Kong Polytechnic University and the City University of Hong Kong. Dr. Schoburgh presented her current research findings in a paper entitled, “From Self-Help to Local (Economic) Development: Are Development Committees ‘Fit for Purpose?’”
- April 21st – Dr. Jermaine McCalpin was a Guest Speaker at Worcester State University's 101st Commemoration of the Armenian Genocide. His presentation was titled, “Seven Principles of Reparations of Historic Injustice”. Dr. McCalpin was presented with the keys of City of Worcester, Massachusetts in recognition of his contributions to the work of justice for the Armenian genocide.
- April 28th – the Department hosted the MPhil Upgrade Seminar of Mrs. Victoria Angus-White, a MPhil Student in the Department of Government at 2:00pm in SR4 entitled, “An Investigation into the Culture of Political Campaigning and its Relationship with Voter Apathy in Jamaica”.
- July 8th – The Consulate of the Federal Democratic Republic of Ethiopia in Jamaica in association with the Department of Government hosted a special screening of the award-winning film, “If Only I Were That Warrior”, at the Social Sciences Lecture Theatre at 6:30pm.

CONFERENCES

2015

- October 1st–3rd – The Department of Government in association with the Mona School of Business and Management held a conference entitled “International Research Society for Public Management (IRSPM) Regional Conference, Optimizing Public Services Management for Development Innovation in Policy, Strategy and Technique” at the Mona Visitors Lodge at the University of the West Indies, Mona Campus.
- November 4th – The Department hosted the inaugural, “Caribbean Students Drug Policy Conference at the Mona Visitors Lodge, The University of the West Indies, from 8:00am–5:00pm.

AWARDS

- Dr. Suzette Haughton – received the award for The Best Research Publication at the 2015 Principal Award Ceremony for the article titled, “The 2009 Jamaica-USA Extradition Affair: A "Securitized" Response to Jamaica’s Drug Problem”
- Prof. Jessica Byron – received the award for the Most Outstanding Researcher at the 2015 Principal Award Ceremony for the articles titled, “Development Regionalism in Crisis? Rethinking CARICOM, Deepening Relations with Latin America” | “CARICOM Foreign Policy since 2009: A Search for Coherence in National and Regional Agendas” | “The "Slums of Empire" and Gordon K. Lewis: Reflections on Decolonization and Sovereignty in the Caribbean” | “A Caribbean Perspective on Regionalism: What Role for CELAC?” “Responses to the Sovereignty/ Vulnerability/Development Dilemmas: Small Territories and Regional Organizations in the Caribbean”

PAPERS PRESENTED

During the period under review, faculty made presentations at various local, regional and international conferences and seminars and these are detailed below.

2015

Murray, Jean-Pierre

- September 4th – presented at a conference on Caribbean Integration and Development Issues, hosted in the Dominican Republic. He presented a paper titled “Jamaica’s Empowerment Approach to National Development: A Human Opportunities Perspective.” The conference was organized by the Instituto Tecnológico de Santo Domingo (INTEC), in association with the Observatorio Dominicano del Caribe y Centroamerica (ODCCA), and the Facultad Latinoamericana de Ciencias Sociales (FLACSO). The project was financed by the European Union.

Hawthorne, Omar

- October 30th–31st – attended and participated in the United Nations Office on Drugs and Crime, The Anti-Corruption Academic Initiative Symposium (ACAD), at MGIMO University in Moscow

Waller, Lloyd, Walters, Shinique, Johnson, Stephen and Thakur, Dhanaraj

- November 19th – made presentations at the “Department of Government Presentation of Research Findings of the Impact of Information Communication Technology on Gender Based Violence”. It was held at the FMS Lecture Theatre 1 which is located at the Faculty of Medical Sciences.

PUBLICATIONS

Books & Monographs

- **Jessica Byron** (2015) "Summitry in the Caribbean Community: A Fundamental Feature of Regional Governance" Chap. Five in G. Mace, J-P. Therien, D. Tussie, O. Dabene eds. *Summits and Regional Governance: The Americas in Comparative Perspective*, New York: Routledge pp. 88–105.
- **Haughton, Suzette A** (2015) "The politics of drugs in Jamaica" in Beatriz Caiuby Labate y Thiago Rodrigues eds. Drugs, politics and society in *Latin America and the Caribbean* (CIDE), Mexico, pp. 391–412.
- **Hawthorne, Omar** (2015) "Do International Corruption Metrics Matter? The Impact of Transparency International's Corruption Perception", Lexicon Books <https://rowman.com/ISBN/9781498508940#>
- **Clinton A. Hutton, Michael A. Barnett, D.A. Dunkley and Jahlani A.H. Niaah**, eds (2015). *Leonard Percival Howell and the Genesis of Rastafari*. The University of the West Indies Press
- **Hutton, Clinton** (2015) *Colour for Colour Skin for Skin, Marching with the Ancestral Spirits in War Oh at Morant Bay*. Kingston, Ian Randle Publishers.

Referred Journal Articles

- **Campbell, Yonique** (2015). "Doing 'What Wisdom Dictates': Localized Forms of Citizenship, 'Livivity', and the Use of Violence in the Commons". *Caribbean Journal of Criminology*. Vol. 1 (2). pp. 53–74
- **Haughton, Suzette A.** (2015). Dominica-Venezuela: Isla Aves/Bird Island, In Emmanuel Brunet-Jailly Border Disputes: A Global Encyclopedia, Vol. 3 *Functional Disputes*, ABC-CLIO, LLC p. 795-803.
- **Haughton, Suzette A.** (2015). Colombia-Jamaica-Nicaragua-United

States: Bajo Nuevo Bank (Petrel Islands) and Serranilla Bank, In Emmanuel Brunet-Jailly *Border Disputes: A Global Encyclopedia*, Vol. 3 Functional Disputes, ABC-CLIO, LLC p. 786–794

- **Eris D. Schoburgh, John Martin and Sonia Gatchair** (2015). 'Developmental Local Governance: A Critical Discourse in Alternative Development'
- **Schoburgh, Eris and Gatchair, Sonia** (2015) “Development Local Governance” with Palgrave MacMillian, co-edited with Emeritus Professor John Martin, Latrobe University. Dr. Schoburgh authored/coauthored five (5) chapters in addition to introduction and conclusion.

PUBLIC SERVICE

Schoburgh, Eris

- November 4th – was a member of the interview panel for an LED Coordinator, Social Development Commission
- December 10, 2015 & January 14, 2016: Participated in Board of Directors and Finance meetings of the Social Development Commission
- March 21–22, 2016: acted as a Facilitator in two sessions of the Commonwealth Local Government Forum Regional Programme Consultation Meeting held under the theme: “Strengthening Local Government’s Role as a Partner in Development,” held at the Hilton Hotel, Port of Spain, Trinidad and Tobago.

Hawthorne, Omar

- February 10–15, 2016: was the Faculty Advisor to the UWI Model United Nations club and attended the Harvard National Model United Nations Conference, with 14 students, where 6 students won awards.
- Successfully secured US\$16,200 travel grant from the Public Affairs Section of the US Embassy, Kingston, for Model United Nations students to the Harvard National MUN Conference, February 2016 and Columbia Model United Nations, October 2016.

STUDENTS

A. GRADUATE

Departmental Prizes

1. **Damion Omari Gordon** – for the Most Outstanding Final Research Paper in Public Sector Management, MSc Government (CP/PT) Programme, Academic Year 2014/15.
2. **Nicholas Anthony Desouza** – for the Most Outstanding Final Research Paper in International Relations, MSc Government (IR) Programme, Academic Year 2014/15.
3. **Carlos Michael Stephen Applewhaite** – for the Most Outstanding Final Research Paper in Caribbean Political Systems III, MSc Government (CP/PT) Programme, Academic Year 2014/15.

B. UNDERGRADUATE

Departmental Prizes

1. **Lori Whyte & Yanique Jackson** – ANN SPACKMAN PRIZE- awarded annually to a Mona student registered for any degree programme (day) within the Faculty of Social Sciences, who has performed best in GOVT1000- Introduction to Political Institutions paper for the Academic Year examinations.
2. **Shabaska Bailey** – PAULETTE WILSON PRIZE – awarded annually to a Mona student registered for any degree programme within the Faculty of Social Sciences, who has performed best in GOVT1012- Introduction to Public Policy and Management examination for that Academic Year.
3. **Garrick Donaldson and Jordan Craig** – ARCHIE SINGHAM MEMORIAL PRIZE – awarded to the student (Faculty of Social Sciences) with the best performance in GOVT2006- Foundations of Caribbean Politics; and GOVT2007- Politics in the Caribbean.

4. **Garrick Donaldson** – RUPERT LEWIS PRIZE – awarded to the student (Faculty of Social Sciences) with the best performance in GOVT2005 – Caribbean Political Thought.
5. **Simone Morris** – CARL STONE PRIZE – awarded annually to the student (Faculty of Social Sciences) with the highest average in the combined courses: GOVT2044 – Research Methods in Governance I and GOVT2054 – Research Methods in Governance II.
6. **Isha Levy** – NETHERSOLE PRIZE – awarded annually to the final year student with the best performance in any degree offered by the Department of Government, with the exception of the BSc. (International relations) e.g. BSc (Public Policy and Management); BSc. (Political Science).
7. **Sasha-Gay Codling** – SIR LAURENCE LINDO PRIZE – awarded to Mona student with the best performance in BSc. (International Relations) final examination provided that the student obtains at least Second Class (Hons).
8. **Abigail White** – ROSINA WILTSHIRE PRIZE – awarded to the incoming MSc. International Relations student with the best overall performance in International Relations at the Undergraduate Level.

DEPARTMENT OF SOCIOLOGY, PSYCHOLOGY AND SOCIAL WORK



Dr. Heather Ricketts, BSc., MPhil. PhD
Head of Department

WORK OF THE DEPARTMENT

During the 2015/16 academic year the Department continued its commitment to the realization of the strategic perspectives of the 2012–2017 UWI Strategic Plan, through its focus on teaching and learning, staff and student development, research and innovation, outreach activities, public service, and its internal administrative operations.

MAJOR ACTIVITIES

Administrative Reform Exercise

The Department completed its administrative review exercise which purpose was for the strengthening of the Department's administrative processes.

The focus on the internal administrative operations was one of the major activities embarked on within the year, with the objective being the enhancement of the administrative support in the Department towards the achievement of greater efficiency and effectiveness. It is felt that the Department's work, programmes and expected outputs have outgrown the current administrative structure. A consultant was contracted and work has entailed a review of the Department's administrative structure and work flow, an analysis of work tasks, and an assessment of staff competencies and job descriptions.

Finally, much of the Unit's time for the remainder of the period under review was consumed by its preparation for the Quality Assurance Review that was scheduled for September 2016. The Unit has decided to prioritise three main projects, but will await a formal document from the QAR Team before operationalising these.

School Visits

In a bid to raise enrolment in the Department's programmes and awareness of the disciplines taught, Drs. Orville Taylor and Orville Beckford have been involved in a number of High School visits.

CIP

Since 2004 the CIP has assigned approximately 263 UWI interns to social service agencies in the Caribbean. Between January 2016 and August 2016, ten (10) interns were assigned to social service agencies in five (5) Caribbean countries, Antigua, Dominica, St. Lucia, St. Vincent and the Grenadines and Grenada. Of this number two (2) interns were deployed from the UWI Cave Hill, three (3) from the UWI St. Augustine and five (5) from the UWI Mona.

The CIP continues to record successes including a successful collaborative effort between the three UWI campuses particularly at a time of crisis faced by the island of Dominica following the devastating after-effects of Tropical Storm Erika in September 2015. The UWI CIP responded

without delay in supporting a request from the PS in the Ministry of Social Services, Family and Gender Affairs.

Two MSc Clinical Psychology interns, Ms. Shoyea Gaye Grant and Ms. Gleniece Elder and a retired UWI Social Work lecturer and trainer at the Red Cross, Mrs. Lita Allen, were deployed initially to the Welfare Division to assist the phase one recovery plan in the Ministry. A three-day workshop for staff of the Ministry on “Post Disaster Community-Based Psychosocial Support” was conducted on October 2nd, 5th and 6th. The training was well received with persons citing the workshop as “excellent” and identifying several areas of learning gained including “personal and professional development”, “approach to clients” and the “relevance of a psycho-social focus”.

Plans followed for a second intern (MSW Community Organisation) to assist the phase two recovery plan to benefit the rebuilding of communities affected. Discussions with the Caribbean Disaster Emergency Management Agency (CDEMA) enabled the sponsorship of a third intern, Ms. Neena Albarus, in February 2016 to serve the Local Government Department of the Ministry of Social Services. Included in the concentration of phase two were: capacity enhancement work with the communities of Coulibistrie and Colihaut and with community officers employed to the Ministry.

Funding Partnerships

Monetary support from the three UWI Campuses. Funding from the three UWI campuses continues to enable the sustainability of the CIP. Although the UWI St. Augustine experienced budgetary challenges, they were able to support three internship assignments.

Sponsorship by Government entities. Two government Ministries in Dominica and Antigua continued their funding partnerships with the UWI while Ministries in Belize and Montserrat were unable to host interns in 2016 due to lack of preparation following government changes following general elections experienced.

Linnaeus-Palme International Exchange Programme

The Swedish Council for Higher Education approved, on March 23, the joint application made by the School of Global Studies (University of Gothenburg) and the Department, for a partnership programme in the disciplines of Anthropology and Development Studies. This will begin in the 2016/17 academic year, with the exchange of lecturers for a period of three weeks, and graduate students for a period of one semester.

Visit

Professor Andrew Daire, Professor of Psychological, Health, & Learning Sciences in the College of Education, and Associate Dean for Research at the University of Houston, Texas, visited the Department between February 29 and March 1, to explore collaborating on some work to strengthen couples and families and improve child outcomes in Jamaica. He is the co-founder and former director of the University of Central Florida's Marriage & Family Research Institute, and founder and director of the University of Houston's Couples, Marriage & Family Research Institute.

Apart from meetings with the Department and Dean, Professor Daire's visit included a lecture presentation to graduate students.

HRD Unit's 20th Anniversary Celebrations

Between September and December 2015 the HRD Unit continued to celebrate the 20th Anniversary of the launch of the MSc. programme in Human Resource Development with four public lectures: Leveraging One's KSAs: Building a consultancy from what you know – Parts I and II; Jamaican Industrial Relations: Contemporary trends and issues; and Change or Die: Leading Organisations in an Constantly Evolving World.

Following our 20th Anniversary Celebrations during calendar year 2015, the aggressive deployment of the staff at various research and professional activities to showcase the work being done in the Unit slowed, but did not cease altogether. For the second year, the Unit worked with our

colleagues in Psychology to simulate a fully-functional HR Assessment Centre during the UWI's Research Days 2016 in February. Here, the Unit expanded operations to cover all three days of the event for this year. Beyond the psychometric testing, the Assessment Centre hosted workshops in Managing Stress in the Workplace; The Importance of Performance Management in Strategic Planning; Business Communication; Career Counselling, and Dressing-for-Success in the Organisation.

Book Launch

The Department celebrates with Drs. Michael Barnett and Orville Taylor, on the recent launch of two books in which they are contributing authors.

Dr. Barnett is co-editor and contributing chapter writer of/in the book: *Leonard Percival Howell and the Genesis of Rastafari* launched on February 29, 2016. The Department is co-sponsor of the launch.

Dr. Taylor is author of the chapter: Still Short of a Length: Jamaican Labour Legislation and Policy since Independence in the book: *Pathways to Action: Social Policy in the Caribbean*, edited by Dr. Aldrie Henry-Lee.

Dr. Herbert Gayle wrote a book on Violence entitled *Like Bush Fire: A Study of Male Social Participation and Violence*.

Teaching and Learning

During the period, the department restructured the MSc Sociology programme to increase credit weighting in keeping with UWI regulations. The programme is now 36 credits.

Conferences, Seminars, Symposia and Workshops

The Department collaborated with the Institute of Caribbean Studies and J-FLAG to present the symposium "Beyond Homophobia: Exploring Identities and Sexualities in Jamaica" on October 21, 2015, at which four scholars, internal and external to UWI, discussed various aspects of LGBT life in Jamaica.

The annual Derek Gordon Research Seminar was held on Thursday, February 18th, 2016 as a signature event of UWI Research Days 2016. Under the theme Re-Thinking Caribbean Futures: Perspectives From the Social Sciences, the Seminar showcased the work of our staff, graduate students and specially invited guests as they reflected on important issues facing the Caribbean and possible ways forward. The Seminar critically engaged with ideas around development, highlighted new directions in social science research championed by staff and students, and showcased the Department's work with communities.

The Seminar counted among its presenters Alejandro Pacheco, Strategic Adviser (Latin America and the Caribbean) at the United Nations Development Programme's New York office, Dr Mariama Williams, Senior Programme Officer at the South Centre in Switzerland, Professor Stephen Vasciannie, and Camille Chedda, a Jamaican artist. Presenters from the Department included Professor Ian Boxill, Mr Clement Branche, Ms Olivene Thomas, Dr Orville Taylor, Dr Moji Anderson and Dr Herbert Gayle. Graduate students representing all the Department's Units presented on a range of topics, from treating traumatised victims of Tropical Storm Erika, problem adolescents in St Lucia, women's fear of public spaces, to small states and the World Bank.

The keynote speaker was Dr Honor Ford-Smith, Associate Professor in Community and Environmental Arts Practice at York University, Toronto and founding Artistic Director of the Jamaican women's collective Sistren. In an innovative, performative address, she encouraged the audience to think about alternative visions of development rooted in Jamaica's unique history.

The Seminar had one of the largest and most diverse audiences of recent years, with people from various parts of the public sector, the UWI and the arts community in attendance.

UWI Mona Psychology Conference 2016

The Conference had just over 200 registered attendees, who were students, researchers, practitioners and other interested persons from the US,

Canada, London, Barbados, Trinidad, Nassau, Grenada, and Jamaica.

In addition to the Mona Campus of the UWI, local institutions who were represented included Moneague College, Northern Caribbean University, the University of Technology, GC Foster College, Excelsior College, and the Western Jamaica Campus of the UWI Mona.

The conference programme included roundtable discussions, workshops, individual paper presentations, and a closing panel discussion, facilitated by Dr. Kai Morgan of the Jamaican Psychological Society. The programme of activities and presenters were evaluated by the Council for Professions Supplemental to Medicine, which approved the event to offer eight (8) Continuing Education Credits.

The 2016 planning committee was chaired by Dr. Tracy McFarlane and comprised talented and enthusiastic Graduate Assistants, along with undergraduate volunteers from the UWI Psychology Student Association.

As part of the celebration of Black History Month 2016, the Department hosted a successful forum on Hair, Beauty and Fashion in Jamaica. Presentations were made by Dr. Michael Barnett, organizer of the forum, along with representatives of hair salons: Jus Natural Hair Salon, Shades of Africa and Beautiful Earth Natural Hair Haven. Venue was the Multifunctional Room, Main Library.

Data Analysis Workshop

In March, the Unit continued its involvement with advancing the use of Mixed Methods Research and multi-disciplinary teams to solve local social problems through co-hosting a 5-day data analysis workshop with the Schools of Education and Nursing, CARIMAC, the Department of Government and the FSS Dean's Office.

Research Days 2016

Principal's Research Day Awards 2016

- Dr. Orville Taylor was awarded Best Publication: Book, Faculty of

Social Sciences and Dr. Heather Ricketts Best Research Publication,
Faculty of Social Sciences

- SPSW HRD Assessment Centre – Targeted students and members of the public who were interested in knowing their career interests and aptitudes. The Centre engaged in sessions on career counseling, help with CV writing, and a workshop on dressing for success. Ms. Olivene Thomas and Professor Garth Lipps, coordinated this activity.
- Visit a Lecture – Approximately 5 courses were opened to the public during the period of Research Days.

PAPERS PRESENTED

- **Anderson, M** (2016) “Whose knowledge? Lay understandings of sickle cell disease.” Caribbean Studies Association, Port au Prince, Haiti, June 6–11. (Oral presentation, 8 pages.)
- **Anderson, M** (2016) “Where is the queer? New directions in Jamaican scholarship.” Derek Gordon Seminar. Department of Sociology, Psychology & Social Work, UWI. February 18. (Oral presentation, 8 pages.)
- **Bailey, A.** (2016) Virtual Community Design, Participation and Success: A Strategy as Practice Perspective, Proceedings of Conf-IRM 2016 – International Conference on Information Resources Management, May 18–20, 2016, Cape Town, South Africa, 1–12.
- Minto-Coy, I., **Bailey, A.** and Thakur, D. (2015) A Critical Assessment of E-Government in the Caribbean: Success, Challenges and Use of Emerging Technologies, Proceedings of the Twenty-first Americas Conference on Information Systems, August 13–15, Puerto Rico, 1–12.
- Grant, C., **Bailey, A.** and Ogbuehi, A. (2015) Exploring cultural context congruency in television in an emerging market, Proceedings of the Academy of Business and Emerging Markets Conference 2015, August 4–6, Windhoek, Namibia.
- **Barnett, M** (2016) “Rastafari: A continuing tradition of African

Spirituality as a Liberation Tool.” Caribbean Studies Association, Port au Prince, Haiti, June 6–11. (Oral presentation, pages.)

- **Barnett, M** (2016) “Assessing the Impact of Haile Selassie’s trip to the Caribbean in 1966.” Caribbean Studies Association, Port au Prince, Haiti, June 6–11. (Oral presentation, 8 pages.)
- **Beckford, O.** Paper presented at the Montego Bay Community College Annual Teachers’ Conference 2016. “The Nuts and Bolts of 21st Century Education”. July 23, 2016. (15 pages)
- **Branche, C.** and Thomas O.; “Caribbean Social Theory and Caribbean Organisational Theory: The New Way” at The Derek Gordon Seminar 2016, The Regional Headquarters, UWI, Thursday, 18 February 2016. [PowerPoint Presentation, 17 slides]
- **Brodie Walker, S,** Morgan, S., Burke, D., James, C., Johnson, R., McFarlane, T. and Ramkissoon, M. (2016) “Factors that impact school engagement/disengagement.” Poster presented at the Faculty of Social Sciences, University of the West Indies, Mona, Research Day Conference: Driving Development through Research and Innovation. February 17–19, 2016. Poster presentation.
- **Facey, A.** (2016). “An Evaluation of a First Year Introductory Statistics Course at a University in Jamaica”. ICHSS 2016: 18th International Conference on Human and Social Sciences, April 21–28, 2016, Boston, USA. (31 slides)
- **Gayle, H.** (2016). “The Torture of Inner City Boys and its Contribution to Repeat Killing in the Caribbean.” Presentation at Belize Archaeology Anthropology Symposium 2016. San Ignacio Resort Hotel. Cayo. Belize. June 27–July 1, 2016. (21 pages)
- **Gordon, D.** (2016) “Body Beautiful: Comparative Meanings of Beauty in Brazil, South Africa, and Jamaica.” Paper presented at the workshop, Beauty and the Norm: Debating the Standardization in Bodily Appearance, University of Bayreuth, Germany, April 6–8th, (1–8 pages).
- **James, C.** (2016) “Childhood physical and sexual abuse in Caribbean young adults and its association with depression, post-traumatic

stress, and skin bleaching.” Paper presented at the Society of Behavioral Medicine 37th Annual Scientific Session, Washington DC, March 31st, 2016. (21 slides).

- **Priestley, S.** (2015). “The Dynamics of Intimate Partner Violence, The Bureau of Women's Affairs celebration of the International Day for the Elimination of Violence against Women and Girls”, held at the Terra Nova Hotel, Kingston, November 25, 2015. (Oral Presentation, #6).
- **Mitchell, R.**, (2016). “Labour Rights for Commercial Sex Workers in Jamaica: Implications for Social Policy and Development,”. Paper presented at The International Sociological Association (I.S.A.) 3rd Forum of Sociology, Conference Title: “The Futures We Want: Global Sociology and The Struggles for a Better World at the University of Vienna, Vienna, Austria.,” July 10th–July 14th 2016
- **Mitchell, R.**, (2016) “An Exploration of the Literature on the Sex Work Industry and the Case of for Labour Rights for Commercial Sex Workers in Jamaica,”. Paper presented at The International Sociological Association (I.S.A.) 3rd Forum of Sociology, Conference Title: “The Futures We Want: Global Sociology and The Struggles for a Better World,” at the University of Vienna, Vienna, Austria. July 10th–July 14th 2016.

PUBLICATIONS

Book Chapters

- **Barnett, M.A.** (2016). “Interrogating Leonard Howell as the First Rasta” in Barnett, M.A., Hutton, C.A., Dunkley, D.A., and Niaah, J.A.H. (eds.), *Leonard Percival Howell and the Genesis of Rastafari*, UWI Press, Kingston, Jamaica. (pp.53–68)
- **Beckford, O.** (2015). “The Sociology of Football in the Caribbean” in Charles, C.A.D. (ed.), *Perspectives on Caribbean Football*, 25-46, Hansib Publications: Hertfordshire. (pp. 36)

- **Mason, G.E. & Satchell, N.** (2015). “Interpersonal violence in the Caribbean: Etiology, prevalence, and impact. In J.L.Roopnarine & D. Chadee (Eds.), *Caribbean psychology: Indigenous contributions to a global discipline* (pp. 205–232). Washington, D.C.: American Psychological Association.
- **Taylor, O** (2016) “Still Short of a Length: Jamaican Labour Legislation and Policy since Independence.” in A. Henry-Lee (ed), *Pathways to Action: Social Policy in the Caribbean*.

Books

- **Barnett, M.A., Hutton, C.A., Niaah, J.A.H, Dunkley, D.A.** (2015). *Leonard Percival Howell and the Genesis of Rastafari*. UWI Press: Kingston, Jamaica.
- **Beckford, O.** and C. Charles. “Forms of Resistance in the Jamaican Black Radical Tradition” in Mousa Traore and Tony Talburt (ed). *Fight for Freedom: Black Resistance and Identity*. Accra: Subsaharan Publisher, 2016.
- **Herbert G., Virginia Hampton, and Nelma Mortis.** (2016), *Like Bush Fire: Male Participation and Violence in Urban Belize*. Published by Cubola Productions, Benque Viejo del Carmen, Belize (250 pages)

Refereed Journal Articles

- **Anderson, M. & M. Asnani.** “The white blood cell always eat the red”: How Jamaicans with sickle cell disease understand their illness. *Ethnicity and Health* 21,2 (2016): 103–117.
- **Bailey, A. and Ngwenyama, O.** (2016) Community Bridging through ICTs: Seeking to Overcome Digital and Community Divides, *The Journal of Community Informatics*, 12, 1, 69–89.
- **K.A. Mitchell, M. J. Elias, Branche C.A..** “Building Human Capital Through Education”. *International Journal of Education and Research* 3, 8 (2015): 197–216.

- B. Williams, K.A. Mitchell and **Branche C.A.**. “Agriculture: Educational Strategies to Create Wealth in the Caribbean”. *International Journal of Education and Research* 3, 10 (2015): 175–198.
- **Gayle, H.**, “The Jamaica Defence Force and the Jamaican Security Context”. *Alert (The Magazine of the Jamaica Defence Force)*, Issue Number 28 (2015): 4 pages.
- **Gayle, H.** “*The Target of the Death Penalty.*” Volume 7, number 9. Human Rights Digest. Stand Up for Jamaica and Independent Jamaican Council for Human Rights. (September, 2015) 3 pages.
- West, K., Husnu, S., **Lipps, G.** & Crisp, R.J. “Imagined contact works in high-prejudice contexts: Investigating imagined contact's effects on anti-gay prejudice in Cyprus and Jamaica.” *Sexuality Research and Social Policy*, 12 (1) (2015): 60–69.
- Pottinger, A. Carroll, K. & **Mason, G.** (2016). Male attitude toward masturbating: An impediment to infertility evaluation and sperm parameters. *Andrologia*, 48(7), 774-778. doi: 10.1111/and.12511.
- **K.A. Mitchell**, M. J. Elias, Branche C.A.. “Building Human Capital Through Education”. *International Journal of Education and Research* 3, 8 (2015): 197-216.
- **K.A. Mitchell**, “Transforming Communities through Vocational Training and Entrepreneurship: A Case Study of the Transforming Lives Training Centre”. *International Journal of Education and Research* 3, 9 (2015): 189–216.
- B. Williams, **K.A. Mitchell** and Branche C.A.. “Agriculture: Educational Strategies to Create Wealth in the Caribbean”. *International Journal of Education and Research* 3, 10 (2015): 175–198.
- **K.A. Mitchell**. “Another Look at the Caribbean Psyche: 50 Years after Mr. Biswas”. *International Journal of Research in Engineering and Social Sciences* 6, 6 (2016): 1–15.
- **K.A. Mitchell**. “The Community Renewal Programme (CRP): The Case of Majesty Gardens”. *International Journal of Research in Engineering and Social Sciences* 6, 6 (2016): 24–31.

- **K.A. Mitchell.** “The Caribbean Psyche in Work, Wealth and Wealth Creation”. *International Journal of Research in Engineering, IT and Social Sciences* 6, 6 (2016): 1–9.
- **K.A. Mitchell.** “Anthems of Hope to Ballads of Despair”. *International Journal of Research in Engineering and Social Sciences* 6, 7 (2016): 1–10.
- **K.A. Mitchell.** “Journey to Gold: The Caribbean Psyche in Sports”. *International Journal of Research in Engineering and Social Sciences* 6, 7 (2016): 19–26.
- **K.A. Mitchell.** “Politics, Power and Identity in the Caribbean Psyche”. *International Journal of Research in Engineering, IT and Social Sciences* 6, 7 (2016): 30–37.
- **Mitchell, R. et al.** “The role of social factors in the use of licit drugs among university students from one university in Kingston.” *Text & Context Nursing Journal*, Vol. 24 (2015): 177–183.
- **Mitchell, R. et al.** “The role of family relations, spirituality and entertainment in moderating peer influence and drug use among students of eight universities from five countries in Latin America & three countries from the Caribbean.” *Text & Context Nursing Journal*, Vol. 24 (2015): 106–116.

Technical Reports

- **Devonish, J.D.** and Priestley, S.R., 2016. Adoption Preferences among young Jamaican women. *Caribbean Journal of Social Work*, (Dec).
- **Gayle, H.** (2015). “Males and The UWI (Volume 2)”. Prepared for Office of the Principal, The University of the West Indies, Mona Campus. (Volume II – Restricted Material).
- **Devonish, J.D.** and **Priestley, S.**, R2016. Adoption Preferences among young Jamaican women. *Caribbean Journal of Social Work*, (Dec).
- **Ramkissoon, M.**, Jackson, S., Tennant, V., Briscoe, T., & Clarke,

S., (2016). Human factors affecting productivity in Jamaica. Technical report, Technology, Innovation and Productivity Committee of the Labour Market Reform Commission, Kingston Jamaica. DOI: 10.13140/RG.2.1.1589.6729. Available at https://www.researchgate.net/publication/299604127_Human_Factors_Affecting_Productivity_in_Jamaica_Technical_Report_on_Preliminary_Findings. (59 pages).

- Clarke, S., Barrett, A., **Ramkissoon, M.**, Tennant, V., Eyre, M., Jackson, S., Douglas, C & Gregory, R., (2016). Priority policy recommendations for transforming individual productivity and SME competitiveness in Jamaica. Technical report, Technology, Innovation and Productivity Committee of the Labour Market Reform Commission, Kingston Jamaica. DOI: 10.13140/RG.2.1.1782.1684. Available at https://www.researchgate.net/publication/305687139_Priority_policy_recommendations_for_transforming_individual_productivity_and_SME_competitiveness_in_Jamaica. (29 pages).

INCOME GENERATION

Research Grants

- **Beckford, O**, Principal’s New Initiative Grant (\$1.5 m) – The Socio-Cultural and Economic Impact of Highway 2000 Bypassing Communities (2015–2018).
- **Brodie-Walker, S.** Principal New Initiative Grant for the sum of J\$1,386,000.00 for the project, “Factors that Impact School Engagement”. 2015. The Grant became effective August 2015 and allowed the Unit to coordinate and begin the collecting of data; 400 questionnaires were collected; statistical analysis (SPSS) completed.
- **Elliott-Rattray, A** New Initiative Grant (2016). University of the West Indies. Impact of training in mindfulness meditation practice on compassion and self-care among students registered in professional human services programmes.
- **Gordon, D.** Principal’s Special Initiative Grant

INCOME AND EXPENDITURE FOR SUMMER AND OTHER SELF-FINANCING PROGRAMMES

The Department continues to offer four (4) Self-Financing Programmes: MSc Human Resource Development (HRD) and PhD HRD/Organisational Behaviour, MSc Clinical Psychology and MSc Applied Psychology.

Summer School also contributes to the day to day operation of the Department.

PUBLIC SERVICE

Bailey, Arlene

- Vice President, Research, Association for Information Systems Special Interest Group on ICTs and Global Development (AIS SIG GlobDev)
- Secretary, International Federation for Information Processing (IFIP) Working Group 9.4 on the Social Implications of Computers in Developing Countries
- Workshop Co-Chair, Association for Information Systems Special Interest Group on ICTs and Global Development 2015/2016 Workshops
- Member of Board of Directors, ICT4D Jamaica

Baker, Peta-Anne

- Member, the Regional Ethics Committee of the Caribbean Public Health Agency (CARPHA), 2014–2016.
- President, Association of Caribbean Social Work Educators
- Chair, Editorial Board, *Caribbean Journal of Social Work*

Barnett, Michael

- Executive Council Officer, Caribbean Studies Association.

Beckford, Orville

- Contributor – The World Justice Project – WJP Rule of Law Index 2015-2016 report

- Appointed by the Minister of Education and Information, Chairman of the Council of Community Colleges of Jamaica (CCCJ) from 2016–2019.
- Appointed by the Minister of Culture, Gender, Entertainment and Sports to the Board of Directors of the Creative Production and Training Centre (CPTC) from 2016–2019.

Brodie-Walker, Stacey

- UWI Representative, University Council of Jamaica (UCJ) Psychology and Counselling Standards Committee.
- Member, Board of Visitors, Department of Correctional Services, Ministry of National Security.

Daley, Camille

- President – Sickle Cell Support Foundation of Jamaica.

Hinds-Heron, Kimberley

- External Examiner – The Council of Community Colleges, Jamaica
- Committee Member Selection Committee for the Lime Foundation Scholarship for Sickle Cell Tertiary Students
- Member Board of Studies for the School of Education and Workforce Development, Excelsior Community College

Mitchell, Rashalee

- Member of the International Sociological Association.
- Associate member of the Knowledge Transfer Committee of the Alumni of the Institutional Research Capacity Building Program (AIRCBP) since July, 2015.
- Member of the Alumni of the Institutional Research Capacity Building Program (AIRCBP) since September 2012 to present
- Past President, Board member, Director of the Rotary Foundation on the Board of Rotary Club of Portmore, July 2016 to June 2017.

Priestley, Sharon

- UWI Representative on the Adolescent Reproductive Health Policy Working Group of the Ministry of Health
- Member of the Ethics Committee of the Ministry of Justice.

Ramkissoon, Marina

- Chair, Human Factors Working Group, Technology, Innovation and Productivity Sub-committee, Labour Market Reform Commission, Ministry of Labour and Social Security, Jamaica.

Ricketts, Heather

- Member, Technical Steering Committee, Jamaica Survey of Living Conditions.
- Commissioner, Labour Market Reform Commission (Jamaica), PIOJ/MLSS
- Chair, Social Protection Sub-committee, Labour Market Reform Commission
- Chair, Social Transfers Sub-committee, National Social Protection Committee, PIOJ.

Taylor, Orville

- Contributor: Rule of Law Index, World Justice Project. 2015.
- Member, Editorial Board, *Issues in Race and Society; Journal of the (American) Association of Black Sociologists*.
- Chairman National Task Force on Security
- Chairman, National Police College of Jamaica
- Board Member, National Museums of Jamaica
- Board Member, National Reparations Committee

STUDENTS

- The HRD Alumni Association Prize - Ms. Latoya Brown (for having achieved the highest average score on completion of the Year I of the

MSc. Human Resource Development programme for Academic Year 2014/2015)

- The Gordon Draper Prize in Human Resource Development – Mr. Everton Hall, Ms. Sophia Jardine and Mrs. Nicolette Whyte-Morrison (for having achieved the highest aggregate in the organisation development and change sequence of courses offered in the MSc. Human Resource Development programme.)
- The HRD Prizes for Leadership were awarded to Mr. Terence Campbell, Ms. Juliet Salmon and Mrs. Cyleena Gray.
- Awarded in July 2016, the HRD Prize for Consultancy was conferred for developing an intervention that contributed to the significant and quantifiable advancement of the organisation in which these students conducted their HRD Practicum, the final course of the MSc. Human Resource Development during Academic Year 2015/2016.
 - o The HRD Prize for Consultancy (Compensation) – Ms Karen Kelly
 - o The HRD Prize for Consultancy (Organisational Diagnosis) – Ms. Sophia Jardine
 - o The HRD Prize for Consultancy (Performance Management) – Mrs. Nicolette White-Morrison
 - o The HRD Prize for Consultancy (Staffing Organisations) – Mr. Shaun Lee and Mrs. Gean-Ann Senior
 - o The HRD Prize for Consultancy (Training) – Ms. Juliene Holt and Mr. De-Antoni Whinstanley

Persons graduating with Distinction during AY2015–2016

- o Ms. Juliene Holt
- o Ms. Sophia Jardine
- o Mr. Shaun Lee
- o Mrs. Gean-Ann Senior
- o Ms. Sherene Sybron
- o Mr. De-Antoni Whinstanley

MONA SCHOOL OF BUSINESS AND MANAGEMENT



Prof. Densil A. Williams, BSc, MSc *UWI*, PhD *Manchester Business School*
Executive Director

WORK OF THE DEPARTMENT/SCHOOL

The Academic Year 2015/16 was a hectic one for the faculty and staff of MSBM. The school continued to pursue its differentiation strategy in the Business and Management segment of the higher education marketplace. I am pleased to report that over the reporting cycle, the school made significant achievements towards achieving its objectives as outlined in its strategic plan 2013–2017. Critically, a number of faculty members were engaged in research projects that lead to outputs in peer-reviewed journals, books, book chapters and conference proceedings. The body of this report shows the various activities that have been achieved under this rubric. Importantly, it is critical to note the significant number of invited presentations from MSBM's faculty over the period. This is a signal of the school's strong alignment with industry, a very important part of our strategic direction. In addition to our research, MSBM is proud of the significant strides its students have made over the

past year. A number of doctoral students have progressed towards their dissertation submission having successfully completed their proposal defense. Similarly, the entrepreneurial talent of our students continues to shine. As reported below, NCB has provided financial support for a group of students to make a reality; their project proposal for their entrepreneurial venture. Also, MSBM is proud of its faculty members who have gained awards and grants over the reporting period. This is a strong recognition of the high quality of the work that these colleagues continue to do in the academe. Overall, the performance of MSBM for the academic year 2015/16 continues to be strong and we look forward to stronger achievements in the year ahead.

PAPERS /ABSTRACTS PRESENTED – REFEREED CONFERENCES

- **Barclay, L.A. & Hickling, D.** (2015). “Black lives matter”: The role of the black entrepreneur in the international music industry”, Second Biannual Conference of the Pan-African Enterprise Research Council (PAREC), Atlanta, USA, September 9–11, 2015, pp. 40 pages.
- **Burke, O. & Weekes, T.** (2016). “Youth “transference” and community football,” Academic Conference on International Football (ACIF) 2016, Multifunctional Room, Main Library, UWI. March 23, 2016, pp 15 pages.
- **Chevers, D. & Chevers-Whyte, C.** (2015). “The adoption of agile software development methods in Jamaica,” Americas Conference on Information Systems (AMCIS), ICT and Sustainable Development in the Caribbean, Puerto Rico, August 13–15, 2015, pp 1–9.
- **Minto-Coy, I.** (2016). “Locating the local in the global diasporas and internationalisation of businesses from Jamaica,” IX Ethnology Days Workshop on Entrepreneurship & Ethnology, University of Turku and Åbo Akademi University, Turku, Finland. March 17–18, 2016, pp 1–7 slides.
- **Minto-Coy, I.D., Bailey, A. & Thakur, D.** (2015). “A critical assessment of E-Government in the Caribbean: Success, challenges and use of emerging technologies,” Americas Conference on Information

Systems (AMCIS), ICT and Sustainable Development in the Caribbean, Puerto Rico, August 13–15, 2015, pp 12 pages.

- **Robertson Hickling, H.** (2016). “Leadership and qualification and achievements of the 1998 Reggae Boyz”, Academic Conference on International Football, UWI Mona Campus, March 24, 2016.
- **Williams, D.A.** (2015). “How can SMEs compete with Multinationals? Some exploratory findings.” Allied Academies International Fall Conference, Las Vegas, October 13–16, 2015. pp 5 pages.
- **Williams, D.A.** (2016). “Modeling failure among SMEs: An artificial neural networks and logistic regression analysis.” ICSB 2016, New Jersey, USA., June 14–19, 2016, pp 1–5.

PUBLICATIONS

Refereed Journals

- **McLeod, M.** (2016) “A review of ‘tourism and development, concepts and issues’”. *Tourism Management*, 52, 535-536. Located at <http://www.sciencedirect.com/science/article/pii/S0261517715001740>.
- **Nicholson, L.** (2015). “Family-owned businesses – The seat of entrepreneurship: The case of three English-speaking countries.” *Journal of Eastern Caribbean Studies*, 40 (2), pp 1–26.
- **Williams, D. A.** (2016). “Can neural networks predict business failure? Evidence from small high-technology firms in the UK.” *Journal of Developmental Entrepreneurship*. 30. 1. pp 117.

Refereed Books

- **Jones, E.** (2015). “Contending with administrivia: Competition for space, benefits and power”. Arawak Publications, Kingston, Jamaica, ISBN 978-976-95835-4-2. pp 1–182.
- **Nicholson, L. & Lashley, J.** (2016). *Understanding the Caribbean enterprise – Insights from MSMEs and family owned businesses.* Palgrave Macmillan. eBook – 9781349948796; Hardcover – 9781349948789. pp. 1–142.

Refereed Case Studies

- Chevers, D. and Nicholson, L. (2016). "Operations process failure at MAC: Canteen meal problems." Cranfield Case Centre. Ref 616-0015-1. pp. 8. Teaching Note: No. 616-0015- 8
- Chevers, D., Parker, D., Downie, G. and Chalmers, S. (2016). "Writing a business plan: Start-up in Grand Cayman." Cranfield Case Centre. Ref 816-0007-1. pp. 29. Teaching Note: No.816-0007- 8
- Lawrence, W. and Parker, D. (2016). "Jamaica Producers Group: Turnaround using dynamic capabilities." Cranfield Case Centre. Ref 316-0001-1. pp 12–24. Teaching Note (by David Parker only): 316-0001-8.

Non-Refereed Publications

- Lawrence, W (2015). "Enterprise transformation in the Caribbean: Embracing dynamic capabilities changes the fortunes of Jamaica Producers Group". *Industrial Engineer*, Vol 47, No. 4
- Lawrence, W. (2015). "Developing dynamic capabilities for bank turnaround", *World Review of Business Research*, Vol. 5, Issue 3, pp. 197-212.
- McNaughton, M. (2015). "Making sense of US\$3 trillion – Estimating the value of open data for small developing countries". Blog, International Open Data Conference (IODC).
- McNaughton, M. (2015). "Problem-solving with open data: A Caribbean perspective". (Blog, International Open Data Conference (IODC) 2016 Series).
- McNaughton, M. (2016). "The emergence of big data: Economic game change? *MSBM Business Review*, pp. 12–14.
- McNaughton, M. & Cowell, N. (2016). "The role of analytics: In building the high performance workforce." *MSBM Business Review*, pp. 24–27.
- Rao-Graham, L (2016). "Big data for small business: A practical approach". *MSBM Business Review*, p. 16–19.

- Robinson, C. (2016). "RJR acquisition of the Gleaner: Setting the merger/acquisition in context." *MSBM Business Review*, pp. 34–36.

Non-Refereed Presentations

- **Burke, O.** (2016). "Sports and development in Greater August Town: The MSS experience" The first Rugby Symposium & Exposition. Police Officer's Club, February 6, 2016, pp 13 pages.
- **Burke, O.** (2016). "Playing football and pro-social behaviours in young males" and "UWI as an anchor institution: Preliminary findings from an assessment of UWI Township Project" The UWI Research Days 2016, February 17–19, 2016.
- **Burke, O., & Weekes, T.** 2016. "The UWI Mona campus positioned as an anchor institution: An education perspective". Anchor Institutions Task Force (AITF) Annual Conference. Manhattan. USA. October 29-30, 2015. pp 21 pages.
- **Chionesu, K.** (2015). "Assessment of outlook for competition in local telecoms market", The Fair Trading Commission. Montego Bay. September 23, 2015.
- **Crick, A.** (2016). "Create your cultural DNA and make amazing service experiences", "Little But Tallawah" Business Development Workshop, Swallowfield Chapel, March 12, 2016, pp 1–38 slides.
- **Crick, A.** (2016). "Understanding self, managing others", The UWI HRMD Workshop, March 16, 2016, pp 1–30 slides.
- **Crick, A.** (2016). "Grooming leaders", Jamaica Cooperative Credit Union League headquarters, April 5, 2016, pp 1–20 slides.
- **Crick, A.P.** (2016). "The plantation and the 'Corner Shop': Old tourism vs. new tourism in Jamaica". 2016 International Council on Hotel, Restaurant and Institutional Education (ICHRIE) Annual Conference, Dallas, July 20–22, 2016, pp 1–10.
- **Crick, A.P.** (2016). "To develop cutting edge strategies that nurture, sustain and expand small tourism businesses". People, Productivity and Sustainability Symposium: Tourism Development Company of Trinidad. Trinidad Hyatt. July 27, 2016, pp 1–15 slides.

- **Chevers, D.** (2016). “The impact of ICT on customer satisfaction in Jamaican hotels: A preliminary study”, MSBM Brown Bag Research Seminar, April 28, 2016, pp 1–20 slides.
- **K’nlfe, K.** (2015). “Rethinking community development: A social enterprise approach,” Queens College, University of Guyana, November 5, 2015.
- **Lawrence, W.** (2015). “Adding value to Caribbean organizations through academic research” The UWI HRD Unit Seminar. The UWI Library, September 28, 2015.
- **Lawrence, W.** (2015). “Leading business model transformation”. Scotiabank Jamaica, September 29, 2015
- **Lawrence, W.** (2015). “Transforming public sector organizations – Where are we now?” International Research Society for Public Management (IRSPM) Regional Conference 2015, UWI Mona, October 2, 2015
- **Lawrence, W.** (2015). “Transforming credit union business models” Credit Union Fund Management Company breakfast forum, the Jamaica Pegasus Hotel, October 28, 2015.
- **Lawrence, W.** (2015). "Business models for corporate transformation", the 42nd Annual Conference of the Caribbean Association of Banks, St. Kitts, November 13, 2015.
- **Logan, T.** (2015). “The RJR-Gleaner merger: Implications for media business in Jamaica” MSBM – Spur Tree Jamaica joint Public Advocacy Series, Faculty of Medical Sciences, UWI Mona Campus, September 10, 2015.
- **Logan, T.** (2015). “Determinants of efficiency and profitability of financial institutions in the Caribbean, MSBM Brown Bag Research Seminar, October 8, 2015.
- **McNaughton, M.** (2015). “Open Source Adoption in the Public Sector - The illusion and hazards of desktop migration”, International Research Society for Public Management (IRSPM) Regional Conference 2015. UWI Mona, October 1, 2015.
- **McNaughton, M.** (2015). “Open data and the private sector –

Business models, business opportunities”, Jamaica Computer Society Conference, Hyatt Ziva Rose Hall, Montego Bay, October 29–31, 2015.

- **McNaughton, M.** (2015). “Prospects for mobile payments in the Caribbean: A public-private partnership perspective” Barbados Public Workers’ Credit Union Cooperative Limited, Cave Hill, UWI, November 19, 2015.
- **McNaughton, M.** (2016). “Will the emergence of big data accelerate the demise of the scientific method as we know it?” MSBM Brown-Bag Research Seminar. February 11, 2016.
- **McNaughton, M.** (2016). “Open data and interactive community mapping: empowering local community tourism”, MapStLucia, the Ministry of Public Service, St. Lucia, February 28, 2016.
- **McNaughton, M.** (2016). “Open ICT ecosystems – Caribbean opportunities”, 6th International FOSS workshop, Informatica Habana 2016, Havana, Cuba, March 14–18, 2016.
- **McNaughton, M.** (2016). “Caribbean mobile market & business models”, 6th International FOSS workshop, Informatica Habana 2016, Havana, Cuba, March 14–18, 2016.
- **McNaughton, M.** (2016) “Beyond data journalism – Building Caribbean data competencies for a post-2015 world”. DevCa Conference, UWI Mona Campus, May 5–6, 2016.
- **McNaughton, M.** (2016). “Mobile wallet – The future of money services: Research findings & prospects for mobile financial services in Jamaica”. Micro-insurance Seminar, Financial Services Commission, May 5, 2016.
- **McNaughton, M.** (2016). “Open data and community tourism - A strategy for empowering local communities. 6th IDB Group-Caribbean Civil Society meeting, Nassau, Bahamas, June 1, 2016.
- **McNaughton, M. & McLeod, M.** (2015). “Mapping an emergent open data eco-system”, MSBM Brown Bag Research Seminar, September 10, 2015.
- **Minto-Coy, I.** (2015). “Diaspora and the growth and internationalisation

of firms from countries of origin”, MSBM Brown-Bag Research Seminar, November 12, 2015.

- **Minto-Coy, I.D.** (2016). “Caribbean immigrant entrepreneurship in the US: Speaking to power, size and network strength, for immigrant entrepreneurship in transnational comparative perspective, 18th Century – Today”. German Historical Institute. Washington DC. June 16–17, 2016, pp 1–14.
- **Minto-Coy, I.D. & Rao-Graham, L.** (2016). “Mainstreaming disaster risk management into management education”, UNISDR/ARISE & Florida International University Workshop on Disaster Risk Management in Business Education. Shulich Business School, Canada, March 23–24, 2016, pp. 31 pages.
- **Perue, C., Minto-Coy, I., McNaughton, M.** (2015). “Increasing transparency & dismantling myths: The role of open data in informing public discourse in Jamaica”, International Research Society for Public Management (IRSPM) Regional Conference 2015, UWI Mona, October 1, 2015, pp 1–15.
- **Rao, Lila** (2015). “Business intelligence as an enabler for corporate transformation”. JEF members’ meeting, JEF headquarters, September 10, 2015.
- **Rao-Graham, L.** (2016). “Leveraging, driving innovation and business growth through emerging technologies for the future workforce”, UTECH College of Business and Management 21st Annual Students’ Conference, The Jamaica Conference Center, March 22–23, 2016.
- **Robertson-Hickling, H.** (2016). "Personal characteristics and emotional intelligence" The UWI HR Department, March 22, 2016.
- **Smith, T.** (2015). “Customer knowledge management in Jamaica’s public sector” International Research Society for Public Management (IRSPM) Regional Conference 2015, UWI Mona. October 3, 2015.
- **Williams, D.A.** (2015). “Strategies for growth: Opportunities in the Jamaican business environment.” Victoria Mutual Inaugural Economic Forum. Terra Nova All Suites Hotel, August 12, 2015, pp 18 slides.
- **Williams, D.A.** (2015). “Marketing and branding: Vision and future

developments in the tourism sector.” Jamaica Tourist Board Retreat, Hyatt Ziva Resort, Montego-Bay, Jamaica, September 25, 2015, pp 1–10 slides.

- **Williams, D.A.** (2015). “Why should I attend Graduate School?” International Colloquium on Black Males in Education. UWI, Regional Head Quarters, October 6, 2015, pp 1–5.
- **Williams, D.** (2015). “Competing in highly competitive sectors: Can SMEs survive?” Small Business Bureau of Guyana and the Department of Business and Management at the University of Guyana, November 6, 2015.
- **Williams, D.A.** (2015). “Challenges and opportunities for entrepreneurs: Some insights.” SBAJ Town Hall Meeting, Girl Guides Headquarters, Waterloo Road, November 23, 2015.
- **Williams, D.A.** (2016). “Developing as a leader: A process not a chance event”, Caribbean Neurological Association 14th Neuroscience Symposium, Montego-Bay Convention Centre, January 29, 2016, pp. 1–8.
- **Williams, D.A.** (2016). “Developing an MSME Policy for Jamaica” - SBAJ position paper to the Government of Jamaica. Oral presentation to SBAJ, May 5, 2016.
- **Williams, D.A.** (2016). “Growth through internationalization: Cultural sensitivity and spotting opportunities.” NCB Diversity Management Workshop, May 18, 2016, pp 1–17.
- **Williams, D.A.** (2016). “Jamaica’s economic outlook – 2016/17.” ICAJ Taxation Seminar. Knutsford Court Hotel, June 1, 2016, pp 1-10 slides.
- **Williams, D. A.** (2016). “The Economics of Export-Led Growth.” TSL/ MSBM Seminar on Export Led Growth for Prosperity. Faculty of Law, UWI, Mona, Kgn 7. June 29th, 2016, pp 1–10 slides.
- **Williams, D.A.** (2016). “Post March 2017: IMF or No IMF?” PSOJ/ JMMB Annual Economic Forum. Jamaica Pegasus, July 12, 2016, pp 1–10 slides.

AWARDS/GRANTS

Several members of the MSBM faculty were recognized and received awards (for their contributions to academic research), and grants (to enable them to conduct further research):

Awards

- **Dr Indianna Minto-Coy**, Senior Research Fellow, MSBM was awarded a US\$20,000 grant from The Regional Fund for Digital Innovation (FRIDA). The funding is administered by LACNIC through the support of a number of international agencies such as the IDRC. This grant will support research on Open Budgeting for Improved Transparency and Civic Engagement in Jamaica; was awarded under the theme of "Mobile Internet for Social Inclusion, Growth, Political Participation, and Active Citizenship", and will be executed by the recipient and Dr Maurice McNaughton, Director of the CoE, MSBM.
- **MSBM** was, on November 5, 2015, recognized by the Project Management Institute (PMI) for excellence in project management under its Project Management Organization of the Year (PMOY) award – the award seeks to recognize and reward companies who have transformed their organizations and by extension, the nation, through project management excellence. The school was awarded second place prize for project management excellence for the coordination of activities that led to the on-time and within-budget development and launch of the MSBM Finance Lab – the Caribbean's first University Finance Laboratory of its kind; international technology company Fujitsu and telecommunications giant Digicel took home the first and third place prizes, respectively. MSBM won the award for the Best Disaster Risk Management new Academic Offering at a workshop held at the Shulich Business School, York University in Toronto Canada, March 23–24, 2016. MSBM's submission titled: "Mainstreaming Disaster Risk Management (DRM) in Management Education" was co-authored by Dr Indianna Minto-Coy and Dr Lila Rao-Graham.

- Drs Michelle McLeod and Maurice McNaughton won the award for “The research project attracting the most research funds” at the UWI Research Days 2016 for their project titled “Harnessing open data to achieve development results in Latin American and the Caribbean” that attracted US\$300,000 in funding.
- Dr Lou Anne Barclay was promoted to the rank of Professor, International Business, effective January 21, 2016.

PUBLIC SERVICE

The following is indicative of the public service activities undertaken by MSBM faculty and staff:

Professor Lou Anne Barclay

- Reviewer, *Social and Economic Research Journal*
- Member, Board of Directors, University Council of Jamaica (UCJ).

Dr Olivene Burke

- Presenter, Escarpment Road New Testament Church Of God - Becoming a UWI Township Scholarship Recipient.

Dr Delroy Chevers

- Reviewer, *The International Journal of Operations & Production Management (IJOPM)*

Mr Kamau Chionesu

- Tutor, CXC mathematics classes in Rockfort, East Kingston.

Dr Anne Crick

- Facilitator, Ministry of Industry, Investment and Commerce Retreat, January 15, 2016.
- Reviewer, *International Journal of Contemporary Hospitality Management*
- Chair, Culture and Human Resource Development Committee Meeting – JACSA

- Chair, JMMB Culture, Leadership and Development Committee.

Ms Janice Henlin

- Member, Planning Committee, ICAJ 2016 Conference.

Dr Paulette Henry

- Facilitator, Strategic Planning Retreat of the Board of the Cancer Society, Terra Nova Hotel, January 3, 2016
- Co-opted member, Policy & Communications Committee, Board of the National Housing Trust

Dr K’adamawe K’nIfe

- Member, Multidisciplinary working group at the UWI Centre for Cannabis/Ganja Research that will carry out research on the ‘medicinal and other uses’ of the plant.
- Chief Examiner, Caribbean Examination Council’s CAPE Entrepreneurship Programme.
- Trustee, Ras Tafari Trust Fund
- Host, Diaspora Live Online on Power 106FM
- Board of Directors, National Integrity Action
- Member, UWI Mona Advisory Board for Innovation and Entrepreneurship.

Dr William Lawrence

- Reviewer, US Academy of Management (Strategy Division)
- Reviewer, *Journal of Small Business and Enterprise Development*.
- Member, CARIMAC Advisory Board.
- Member, Combined Board of Jamaica Business Development Corporation (JBDC), Micro Investment Development Agency (MIDA) and the Self-Start fund (SSF).

Dr Maurice McNaughton

- Attendee, GOJ ICT Steering Committee meeting, Cabinet Office.
- Member, Overseas Examinations Commission

Dr Indianna Minto Coy

- Contributor, Jamaica's needs, priorities and challenges under the post 2015 sustainable development agenda at National Consultation on the Caribbean Multi-Country Assessment Paper, organised by the UN / PIOJ.
- Member, National Working Group on International Migration and Development, PIOJ.

Mr Craig Perue

- Member, Principal's Committee – Ministry of Education on Business Intelligence Project
- Chair, Ministry of Education ICT Committee for the Agricultural Education Transformation Program.

Dr Hilary Robertson-Hickling

- Board of Management of the MOE Teachers' Service Commission.

Dr Lila Rao

- Member, Ministry of Education's Early Childhood Commission
- Track Chair, AMCIS 2015, Puerto Rico, August 2015
- Member, JCC Project Development Committee.

Dr Clive Scott

- Advisory Board Member, JLS Youth Empowerment.

Dr Trevor Smith

- Member, Board of Directors, University Council of Jamaica (UCJ).

Professor Densil Williams

- Reviewer, *Springer Plus, Business Journal, SES Special Issue on Small Business*
- Presentation Chair, "Creating value through effective implementation: An examination of current action on national security policy initiatives."

National Security Co-ordination Unit, UWI Regional Headquarters,
Mona, October 8, 2015.

Mr Michael Williams

- Chair, Kiwanis Club of Liguanea Installation Committee

STUDENT ACHIEVEMENTS

Six DBA students successfully defended their dissertation research proposals during the period. The candidates were:

- **Mr Rickert Allen** (Cohort 4), “Organizational characteristics linked to organizational commitment for improving employee readiness for corporate transformation”. October 28, 2015.
- **Mrs Deloree Staple-Chambers** (Cohort 3), “Predicting tax compliance: The case of Jamaica”. November 10, 2015
- **Ms Suzanne Wynter** (Cohort 4), “Credit risk in government mortgage lending”. November 13, 2015.
- **Mr Steve Whyte** (Cohort 2), “An examination of the relationship between social network structures and software quality in free and open source software development”. March 4, 2016.
- **Mrs Vanetta Skeete** (Cohort 1), “Entrepreneurship in local economic development: The potential of community-based enterprises in Jamaica”. May 13, 2016
- **Mr Noel Morgan**, DBA (Cohort 3), “A roadmap for socio economic development utilizing the entrepreneurial framework conditions of the Global Entrepreneurship Monitor: Examining the case of Jamaica”. June 7, 2016.
- A team of MSBM undergraduate students – Monish Parwani, Olivia Sinclair, Jon-Ross Dela Motta and Andrew Christie – were presented with the NCB Vision Awards for the best final year business plan project in their Entrepreneurship Major.

**INSTITUTES
AND RESEARCH
CENTRES**

Mona

Year ending July 31, 2016

CARIBBEAN INSTITUTE OF MENTAL HEALTH AND SUBSTANCE ABUSE (CARIMENSA)



Professor Emeritus Frederick W. Hickling
Executive Director

INTRODUCTION

The Caribbean Institute of Mental Health and Substance Abuse (CARIMENSA) was established as a Centre within the Faculty of Medical Sciences in February 2008 with supportive relationships to the Section of Psychiatry in the Department of Community Health and Psychiatry. The Executive Director of CARIMENSA is Professor Frederick W. Hickling of the Department of Community Health and Psychiatry.

PRIVATE/PUBLIC PARTNERSHIP

CARIMENSA has engaged in a private/public partnership with Psychotherapy Associates Ltd, one of the leading private medical research organizations in Jamaica (Figueroa & Henry Lee 1998). This collaboration

has facilitated the development of CARIMENSA as a self-sustaining organization within the UWI, in keeping with its remit from the F&GPC UWI. Psychotherapy Associates Ltd. has provided office and classroom facilities, administrative and utility support for this fledgling UWI Institute.

WORK OF THE DEPARTMENT

Teaching and Workshops

- Training of 32 Teachers and 15 Guidance Counsellors in Cultural Therapy: Ministry of Education “Dream-A-World Cultural Resilience Program”: December 2015
- Owing Our Madness: Novel Primary Prevention Strategies Toward a New Architecture for Global Mental Health Conference: March 3, 2016; FMS UWI
- An Investigation Into Diversion at the Point of Arrest Programmes (DAPA): Nadria Brown – Place in type of degree – MSc Research Supervision- Professor Hickling

Funded Service/Research

- Ministry of Education “Dream-A-World Cultural Resilience Program in 35 Primary Schools in Eastern Jamaica” November 2015–August 2016

Reports

- August 2015: FW Hickling: Preliminary Report of The Dream A World Cultural Resiliency Positive Behavior Intervention Framework Project in 35 Primary Schools for Ministry of Education Government of Jamaica, 2014–2015.

Presentations Made at Meetings

Professor Frederick W Hickling

- November 2015: Guzder J, Hickling FW, Walcott G, Robertson Hickling H: SYMPOSIUM Outcomes of Dream-A-world Cultural Therapy multimodal intervention model: a 3-year resilience promotion study with a high-risk child population in Jamaica. World Association of Cultural Psychiatry, Conference Puerto Vallarta Mexico
- November 2015: FW Hickling, G Walcott, H Robertson-Hickling, J Guzder: When psychiatry goes to school: dream-a-world cultural therapy for mental health primary prevention in high-risk primary school Jamaican children. World Association of Cultural Psychiatry, Conference Puerto Vallarta Mexico February 21, 2016: FW Hickling. “Don Cosmic: Mad with the Madness of a Great Maestro”. Ungle Malungu Man: Musings on Don Drummond. Conference Jamaica Music Museum, 5th Annual Reggae Black History Month, Institute of Jamaica, Kingston Jamaica
- March 3, 2016: FW Hickling. Decolonizing Global Mental Health – Conference: “Owning Our Madness – Novel Primary Prevention Strategies Toward a New Architecture for Global Mental Health; Caribbean Institute of Mental health and Substance Abuse (CARIMENSA) UWI, McGill University, Canada, Jamaica Psychiatric Association, Faculty of Medical Sciences, UWI Mona
- March 3, 2016: Cultural Therapy in Jamaican Primary Schools – DAW CT Taking Psychiatry to School Caribbean Institute of Mental health and Substance Abuse (CARIMENSA) UWI, McGill University, Canada, Jamaica Psychiatric Association, Faculty of Medical Sciences, UWI Mona
- May 27–28, 2016: Don Cosmic: Mad with the Madness of a Great Maestro. Institute for the Public Life of Arts & Ideas/International Institute for Critical Studies in Improvisation McGill University Colloquium “If You Have to Ask”: The Cultural, Cognitive and Neural Underpinnings of Improvisatory Behavior in the Arts and Beyond.

- May 30–June 1 2016: Owning Our Madness: Contributions of Caribbean psychiatry to decolonizing Global Mental Health. 2016 Conference Advanced Study Institute. Division of Social & Transcultural Psychiatry, McGill University.

Dr Geoffrey Walcott

- November 2015: G Walcott H Robertson-Hickling, J Guzder – the Kingston Seaview dream-a-world cultural therapy ‘scale up’: methods and outcome. World Association of Cultural Psychiatry, Conference Puerto Vallarta Mexico
- March 3, 2016: The Community Engagement Model Cultural Therapy Wellness Model in
- Seaview Gardens Jamaica. Caribbean Institute of Mental health and Substance Abuse (CARIMENSA) UWI, McGill University, Canada, Jamaica Psychiatric Association, Faculty of Medical Sciences, UWI Mona
- March 3, 2016: Cultural Therapy in Jamaican Primary Schools – DAW CT “Proof of Concept” and “Scale Up” Caribbean Institute of Mental health and Substance Abuse (CARIMENSA) UWI, McGill University, Canada, Jamaica Psychiatric Association, Faculty of Medical Sciences, UWI Mona

Dr. Hilary Robertson-Hickling

- November 2015: Robertson-Hickling H, Guzder J, Walcott G, Hickling FW: The Eastern Jamaica Dream-A-World Cultural Resiliency ‘Transition to Scale’ World Association of Cultural Psychiatry, Conference Puerto Vallarta Mexico
- March 3, 2016: Cultural Therapy in Jamaican Primary Schools – DAW CT Transition to Scale. Caribbean Institute of Mental health and Substance Abuse (CARIMENSA) UWI, McGill University, Canada, Jamaica Psychiatric Association, Faculty of Medical Sciences, UWI Mona

Professor Jaswant Guzder – International Collaborator

- September 16–18, 2015: Fondation du Dr. Julien. Community

- Social Pediatrics Symposium. Scientific Presentations on: Best Interests of the Child and Policies Conducive to Improving the Health Related Quality of Life of Children at Risk. Paper: Lessons Learned from Working with High Risk Caribbean Families. Montreal, QC
- October 18 2015: 3rd International Youth and Mental Health. Transformations: Poster Title: Scaffolding the preadolescent at Risk: Jamaican Dream a World Research Project on Next Generation of Youth. Montreal, Qc
 - October 27, 2015: Presentation: Dream a World: Research results form a 3 year study th with High Risk Children in Jamaica. 4 International Congress: World Association of Cultural Psychiatry (WACP). Peurto Vallarta, Mexico
 - April 1, 2016: 11th Annual JGH Department of Psychiatry Research Day. Youth at Risk: New Directions in Promoting Resilience. Invited Speaker. “Promoting Resilience in High Risk Children in Jamaica: Lessons learned from Dream a World Cultural Therapy”. Montreal, QC
 - March 3, 2016: Faculty of Medical Science , University of West Indies (MONA). Owinging our Madness: Novel primary prevention strategies toward a new architecture for Global Mental Health. Keynote address: Attachment Disorder and Resilience in Caribbean Context, Implications for Child Global Mental Health, Kingston, Jamaica
 - May 30–June 1 2016:2016 Advanced Study Institute. Division of Social & Transcultural Psychiatry, McGill University. Psychiatry for a Small Planet: Ecosocial Approaches to a Global Mental Health. Invited Speaker. Paper: Adapting Systemic and Developmental Models for Global Child Mental Health. Montreal, Qc

Media Appearances

- School Violence Gone Viral – CVM Television, April 07, 2016

Income Generation

Income from Projects

Project Title	Period	Income
Ministry of Education “Dream-A-World Cultural Resilience Program”	November 2014–August 2015	JMD \$14,900,000.00

PUBLIC SERVICE

1. Caribbean Representative: World Psychiatric Association. Section on Conflict Management and Resolution. 2003–present
2. Member, Scientific Committee: World Association of Cultural Psychiatry (WACP) together with the Latin American Group of Transcultural Psychiatry (GLADET) the 4th International Congress “Global Challenges & Cultural Psychiatry. Natural disasters, conflict, insecurity, migration, and spirituality”, Puerto Vallarta, Jalisco, México from October 29th to November 2nd 2015

EARTHQUAKE UNIT



Professor Simon Mitchell, BSc *Hull*, PhD *Liverpool*
Acting Head of Unit

INTRODUCTION

The Earthquake Unit (EQU) is a research unit in the Department of Geography and Geology that is funded directly by the Government of Jamaica (GOJ) as the sole agency responsible for the monitoring of earthquakes and research in seismic hazards in Jamaica. The EQU budget is supported by the Government of Jamaica with allocations through the Ministry of Science Technology Energy and Mining (MSTEM). The EQU acts as a Data Centre for the Comprehensive Test Ban Treaty Organization (CTBTO) and contributes data to the upcoming Caribbean Tsunami Warning Network in conjunction with the United States Geological Survey (USGS).

WORK OF THE UNIT

The Earthquake Unit (EQU) at the University of the West Indies continues to operate the Jamaica Seismograph Network (JSN), Jamaica

Earthquake Unit

Strong Motion Accelerograph Network (JSMAN) and GPS Network along with the USGS-GSN MTDJ broadband digital station at Mount Denham in Manchester. The EQU also operates the Jamaica National Data Center (NDC_JM) for the Preparatory Commission for Nuclear Test Ban Treaty Organisation (CTBTO) where we operate equipment at the Earthquake Unit's Central Recording Station to access Seismic data, Hydro-acoustic data, Infrasound data and Radionuclide data from over 321 stations around the world.

From January to June 2016 the Department and the Earthquake Unit hosted Fulbright CORE scholar, Dr Katherine Ellins from The University of Texas at Austin. Dr Ellins collaborated with the Department, the EQU and IRIS (Incorporated Research Institutions for Seismology), Washington, D.C., on setting up JAESN (Jamaica Educational Seismic Network). The network will initially comprise about seven educational (AS-1) seismometers installed at selected high schools (and colleges) across the country allowing students to record earthquakes. IRIS is providing the analytical software, JAMASEIS, free of charge to participating school and teachers. Schools/ colleges have pay for their instrument (about US \$650 plus shipping) and supply a dedicated computer with Internet access to allow them to upload their data to the global network, as well as download data from other stations in the network, with assistance from the Earthquake Unit. Students and educators will have opportunities to assist the UWI and international researchers with local research in seismology and related geohazards, and to promote awareness, preparation and response in their community through, for example, service learning projects. The Department of Geography and Geology hosted two immersive 3-day educator workshops in April and May, 2016 for teachers interested in hosting a JAESN station. The purpose was to train participating schools' geography, physics and mathematics teachers on JAESN. JAESN has been supported by the ODPEM and the Network was launched at Ardenne High School on the 23rd June 2016.

A total of 9 schools visited the EQU during the 2015–2016 reporting period, with totals of 388 students and 23 teachers. The Seismic Analyst and Education Officer provided presentations to the visitors detailing

the operation of the Earthquake Unit and also information on Jamaica's seismic activity and earthquake awareness.

THE JAMAICA SEISMOGRAPH NETWORK (JSN)

For the academic year August 1, 2015 to July 31, 2016 the JSN operated with twelve (12) short period seismograph stations and three upgraded digital broadband seismograph stations. Two (2) of the upgraded digital stations went down due to damage from lightning strikes in September and there was a long delay in repairing and restoring service to these stations as we had to send back the damaged equipment to the factory for repairs. Unfortunately we did not have the necessary spare equipment needed for the newly upgraded digital broadband stations which resulted in these stations remaining down for extended time. Also two of the short period stations remained down for longer than was acceptable as we waited on the equipment ordered to arrive to complete repairs on them. The delay was as a result of problems encountered in the UWI Bursary processing payments for supplies and with some suppliers not accepting UWI's purchase order for supplies.

We continued work during this year in putting things together and in working out details and technical specifications plus getting estimates for the upgrading of all the seismograph stations at the JSN and also on establishing a new seismograph station at Font Hill in St. Elizabeth. These objectives should be materialized in the next academic year through funding from the World Bank. In June we started submitting requested documentation to the Jamaica Social Investment Fund (JSIF) for the above Network upgrade.

For the Jamaica Strong Motion Accelerograph Network (JSMAN), there were seventeen (17) accelerographs operating at twelve locations across the island this year with most of these functioning at the desired level. We also continued working on making arrangements for the expansion of JSMAN by securing all the necessary documentations and permission from owners of the selected sites. There will be a total of forty (40) accelerographs that will be added to JSMAN at twenty-four (24) locations across the island to be funded by the World Bank.

Earthquake Unit

For this year, we started data collection from the GPS campaign sites to continue measurements for the deformation research work of the Earthquake Unit in collaboration with the University of Wisconsin. In addition to the 36 GPS campaign sites on the island of Jamaica and on the Cays south of Jamaica (Goat Island, Pedro Cays and Morant Cays), we were also able to access data from the National Land Agency GPS Network for their 15 continuous GPS (cGPS) stations and from the UNAVCO three continuously recording stations at UWI, Pedro Bank and Morant Cays. We have one continuous GPS station in our JSN network at Pike in Manchester which was added to the database. For this year we occupied and did measurement at twenty-two (22) GPS campaign sites. The GPS motion measured in Jamaica is shown in Figure 1.

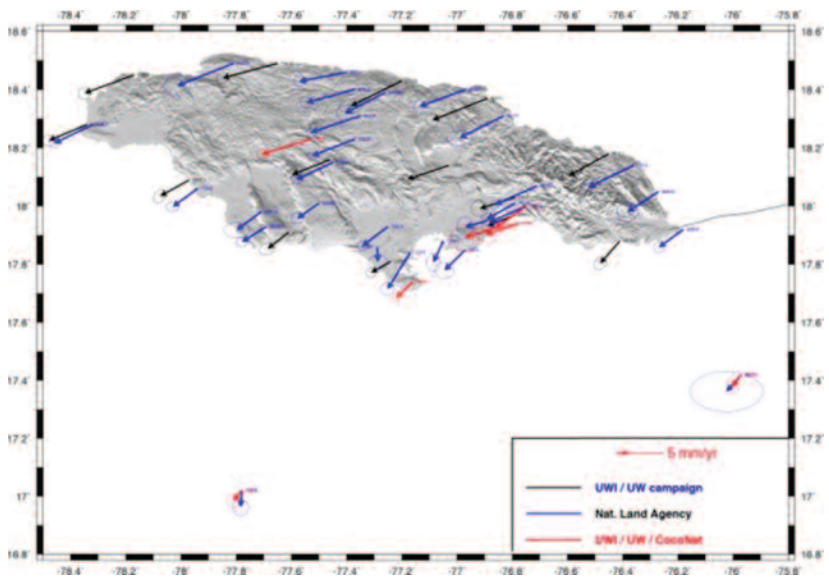


Figure 1. GPS motions recorded from sites around Jamaica showing stress build up from NE to SW across the island.

The Earthquake Unit continues to operate the Jamaica National Data Center (NDC-JM) for the Comprehensive Nuclear-Test-Ban Treaty Organisation (CTBTO) with equipment installed at the Earthquake Unit's Central Recording Station to provide secure access to the

International Data Center's database. Staff members at the Earthquake Unit received training on how to access data from the International Data Center (IDC) and also how to access the products of the International Monitoring System. We therefore have access to high quality seismic data from 170 Seismograph stations, 11 Hydroacoustic stations, 60 Infrasound stations and 80 Radionuclide Stations which covers the globe. During this year we carried out repairs on the power supply for the CTBTO communication equipment and replaced some defective part. This system maintained above 99 percent uptime as there are duplicates of equipment to ensure there is very minimal down time.

There were the usual challenges at the JSN of operating without the requisite spares in addition to the delays of acquiring equipment. This meant that more time was spent doing repairs in the laboratory and making multiple visits to stations to carry out repairs. Equipment that were repaired and tuned included UHF and VHF transmitters, UHF and VHF receivers, discriminators, seismic amplifier and voltage control oscillators, radio frequency amplifiers and power supplies. Every effort was made to ensure that seismic stations that malfunctioned were repaired in reasonable time. The solar system at the Central Recording Station required more attention during this year as it is in need of being upgraded, after operating continuously for over twenty-two (22) years. Work was done to work out the specification and to secure estimates on upgrading the solar power system.

There was more damage to the network this year compared to last year from lightning strikes. Stations affected were Pike in Manchester, Kempshot in Montego Bay, Cooper's Hill repeater station in St. Andrew, Stony Hill in St. Andrew, Bonny Gate in St. Mary and Bamboo in St. Ann. We continued work at these stations to improve on the grounding and protection. Major work was done at Kempshot in Montego Bay by AEROTEL to install a new tower, thereby removing the old tower, hence, our seismograph was taken down for an extended time. We also started discussion with AEROTEL on relocating the seismometer vault as it is too close to the new tower. The uptime for stations is shown in Figure 2.

Events recorded by the Central Recording Station at the EQU from August 2015 to July 2016; of the 79 local events recorded, six were felt. Table 1.

Year	Month	Located Events		Total located	Recorded Events					Total recorded	Felt Events
		Local	Near		Local	Near	Regional	Distant	Blasts		
2015	Aug	2	4	6	2	4	1	0	2	9	0
2015	Sep	9	2	11	9	2	11	0	2	24	0
2015	Oct	7	6	13	7	6	3	0	2	18	0
2015	Nov	7	3	10	7	3	11	0	3	24	1
2015	Dec	6	8	14	6	8	11	0	2	27	0
2016	Jan	8	31	39	8	31	5	0	1	45	0
2016	Feb	9	3	12	9	3	3	0	1	16	0
2016	Mar	6	4	10	6	4	5	0	5	20	2
2016	April	2	5	7	2	5	11	0	2	20	0
2016	May	7	1	8	7	1	8	0	6	22	0
2016	Jun	7	5	12	7	5	7	0	2	21	2
2016	Jul	9	1	10	9	1	7	0	7	24	1
ALL	Totals	79	73	152	79	73	83	0	35	270	6

The largest ‘cluster’ of earthquakes was located to the north-east of Kingston in the south-western Blue Mountains Block/Wagwater Belt, which is the main subarea for earthquakes in Jamaica. Scattered earthquakes also occurred elsewhere but there were no other clusters (Figures 3 & 4).

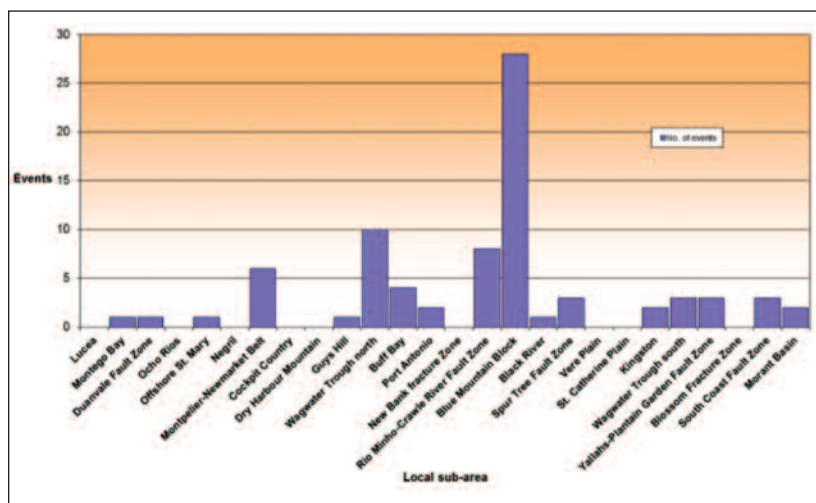


Figure 3. Breakdown of earthquakes by sub-region for the period from August 2015–July 2016.

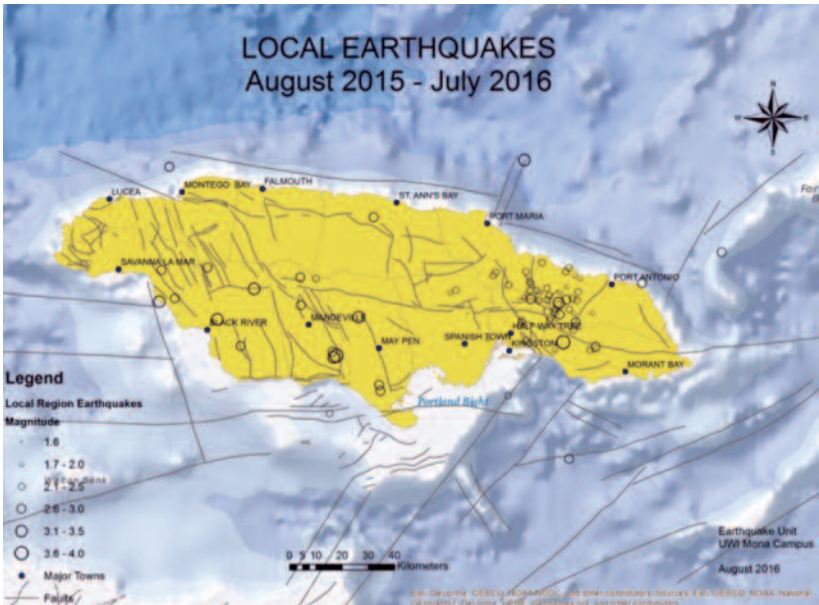


Figure 4. Earthquakes in Jamaica from August 2015 to July 2016; felt earthquake shown in red.

The total number of event processed by the Jamaica Seismic Network was 270, which included: 79 local events, 73 near events, 83 regional events, and 35 blasts (Table 1).

COMMUNITY SERVICE

The Earthquake Unit works in close collaboration with ODPEM and the Jamaica Institution of Engineers in disseminating the findings of research. The EQU also provides information/advice that is of national significance to both institutions.

ELECTRON MICROSCOPY UNIT



Klaus W. Wolf, PhD
Head of Unit

WORK OF THE UNIT

The Electron Microscopy Unit was instrumental in assisting various interested persons to benefit from its facilities and services during the 2015/2016 academic year. Researchers on and off the Mona Campus, Graduate -, Undergraduate - and High School students received research results, training, exposure and understanding of electron microscopy (EM), optical microscopy (OM), macrophotography (MP) and scientific photography. Research activities were compromised by the demise of the specialized digital camera – an integral part of the research light microscope at the Unit. The main investigations done and services provided are listed in Table 1.

Laboratory sessions were conducted in EM and OM in the graduate course Research Methods “C60M” from the Department of Chemistry. Laboratory sessions were also conducted in the EM module of the undergraduate virology course “BIOL3404” from the Department of

Electron Microscopy Unit

Table1. Main investigations and services undertaken during the 2015/2016 academic year.

Specimen	Technique	Institution
Chicken bones (raw)	Preparation of conducting media and mounting of electrodes	Dept. Physics
Chicken bones with mounted electrodes	MP	Dept. Physics
Flowers of <i>Cannabis sativa</i>	MP	Dept. of Life Sciences
Glass fibers	OM	Dept. Physics
Margarine	OM	Dept. Chemistry
Pimento flower	OM	Dept. of Life Sciences
Pimento flower	Specimen preparation, extensive sectioning and slide mounting	Dept. of Life Sciences

Life Sciences. Dr. Wolf contributed to the graduate course Forensic Sciences from the Department of Basic Medical Sciences which involved lectures and a laboratory session on Microscopy and Digital imaging. Laboratories and lectures on Scientific Photography were presented in the undergraduate course Research Skills from the Department of Life Sciences.

RESEARCH IN PROGRESS

Gamete structure and development in insects, using various microscopic techniques.

The collaboration with Zoologists from the University of Salzburg (Austria) on Ciliates in *tank bromeliads* continues and a collaboration on *Jamaican Onychophora* (velvet worms) has been established with Zoologists at the University of Kassel (Germany).

INSTITUTE FOR GENDER AND
DEVELOPMENT STUDIES, MONA
CAMPUS UNIT



Leith Dunn, BA (Hons) MSC *UWI*, PhD *LSE*
Head of Unit

During the 2015/2016 AY the IGDS Mona Unit programme priorities in Teaching, Learning & Student Development; Research, Publications and Innovation; and Public Service/Outreach continued to be guided by the UWI's Strategic Plan 2012–2017.

The Unit supported development of the UWI's Gender Policy and implementation of the UWI Mona's Gender Action Plan in partnership with the Office of the Campus Registrar.

Global agreement on 17 UN Sustainable Development Goals (2015-2030) which includes a commitment to gender equality and use of gender as a cross-cutting issue to achieve all 17 goals, increased global demand for gender specialists to mainstream gender in development policies and programmes in various sectors. Publications included *The UWI Gender Journey* by pioneers Professors Elsa Leo-Rhynie, Barbara

Bailey and Joycelin Massiah which was published by The University Press in collaboration with all four IGDS Units.

TEACHING, LEARNING & STUDENT DEVELOPMENT

Undergraduate programme: The Mona Unit continued to deliver the BSc in Gender and Development and the Minor in Gender and Development Studies. Total student enrolment for the Major was 271 for 2015/2016, which included 39 new students. Some 19 courses were delivered to 735 students in Semesters 1, 2 and Summer School 2016. This included five courses offered at the Western Jamaica Campus (WJC) in Semesters I and 2. This reflects a decrease in registration compared to over 1000 in 15 courses in 2014/2015. In Semester 1 of the AY2015/16. Some 367 students (96 males and 271 females) completed seven (7) courses. In Semester 2, some 333 students (73 males / 260 females) completed nine (9) courses and in Summer School 2015, some 35 students (9 males / 26 females) completed two (2) courses.

Enrolment trends: Decreased enrolment in gender courses was linked to continued lack of public awareness of gender and development as a career option among high school students, teachers and parents and the absence of gender courses at CSEC/CAPE levels. The financial crisis also resulted in several BSc offers being deferred.

BSc Majors Graduating: On October 29, 2016, some 28 BSc Majors graduated (nine upper second; 15 lower second; and four passes). This increased the total number of BSc graduates to 101 since the programme started in 2009/2010.

Gender Minors: The Minor in Gender and Development Studies was successfully launched at the UWI's WJC for the first time with five (5) courses delivered to 43 students by Part-time Lecturer, Ms Carla Moore, and the first two Gender Minors were declared. At Mona an increased number of students also declared the Minor.

Student Awards: Five (5) BSc Majors received awards for academic achievements & leadership at the UWI Student Awards Ceremony held in April 2016. Ms Sasha-Gaye Haas, received the IGDS trophy for having the highest GPA.

The Dorian Powell Prize: The 2015 awardee was Mr Yohan Lee who completed a Double Major (BA in Journalism and BSc Gender and Development). The prize and cash award were presented by Mr Percy Powell at a special IGDS MU ceremony held on November 5, 2015.

Scholarship awardees: 2016 Graduating student Ms Shandy Scott received a full scholarship and is pursuing a Masters degree in Public Policy at Peking University, China. She joined AY2014/2015 BSc graduates Mr Odean Rodney and Mr Occero Fuller who also received scholarships to pursue their Masters degrees in the USA and in Samoa in the Pacific, respectively.

UN Youth Ambassador: Mr Jamar Howell was selected as one of six (6) Jamaican Youth Ambassadors to the United Nations General Assembly for 2015–2017. The Unit started a Tracer study of BSc alumni to track their progress and gain feedback to guide curriculum reviews.

Enhanced Teaching and Learning Strategies: Consistent with recommendations of the 2013 Quality Assurance Review, the Mona Unit conducted curriculum reviews, revised courses to enhance career readiness, used guest lecturers, increased use of technology and provided referrals to the Academic Support Unit and Counselling services. Two types of student internships continued to be organised:

- a. *Inter-institutional partnerships:* Some 41 students in GEND3032 (Gender Climate Change and Disaster Risk Management) were placed with four (4) agencies: the Ministry of Water, Land, Environment and Climate Change – Climate Change Division; PANOS Caribbean, Combined Disabilities Association, and the National Environment and Planning Agency.
- b. *Institutional Internships:* Summer Internships were organised between July and August 2015 for three (3) BSc students with PANOS, Bureau of Women’s Affairs (BWA) to support career readiness in gender mainstreaming. Financial constraints, however, meant that some eligible third year students opted to participate in the Overseas Work and Travel Summer Programme or in local summer jobs to raise tuition fees for the new academic year.

Major challenges linked to Student Learning: Although most new students did well, approximately 5% were Requested to Withdraw (RTW) at the end of the academic year because of poor academic performance. Waivers were granted for some to continue under supervision of academic advisors and referrals to the Student Academic Support Unit. Requests for Leave of Absence (LOA) increased due to financial problems. Several students were unable to pay fees, access resource materials on OURVLE and attend classes regularly.

On a more positive note, some student athletes with sports scholarships who experienced challenges, received additional academic and social support provided pro bono each week by Ms Ingrid Nicely, Senior Administrative Assistant and Mrs Kimberly Carr-Tobias, Research Assistant and their academic performance improved.

Postgraduate programmes

IGDS Mona Unit staff continued to support graduate programmes through teaching, and serving as supervisors, advisors and examiners for Masters, MPhil and PhD students in the IGDS, other UWI faculties and tertiary institutions locally and regionally. Staff also participated in the Curriculum review workshop organised by the IGDS Regional Coordinating Unit in January 2016.

Strategies to Create the Ideal UWI Graduate/Cross-Faculty Teaching:

Undergraduate: The Unit continued to support delivery of the module in FOUN1201/FD12A on 'Gender Ethics Science and Technology', and participated in the UWI's review of Foundation courses, making recommendations to include/strengthen gender components.

Research

Mona Unit staff maintained an active research programme in response to emerging gender and development issues. Highlights included: institutional research related to the Mona Campus Gender Action Plan, consistent

with the National Policy for Gender Equality in Jamaica. In response the Campus received the National Gender Certificate Seal from the Bureau of Gender Affairs. The Unit also supported development of the UWI's Gender Policy. Research studies in which staff members were involved included:

- **Title: Mainstreaming Gender in Food Safety in Micro, Small and Medium-Size Enterprises (MSMEs) in Jamaica.**

Principal Investigators: Dr Leith Dunn and Mrs. Kimberly Carr-Tobias

The Caribbean Development Bank and the Bureau of Standards Jamaica commissioned this research to mainstream gender in international food safety standards in Hazard Analysis and Critical Control Points (HACCP) production value chains in 13 Jamaican MSMEs involved in food processing. The findings confirmed male domination in ownership and management of companies, and a gender division of labour in the HACCP food processing and production chains. Results were used to develop Gender Equality Policies and Strategies, Gender Equality Action Plans for each company and to train Gender Focal Points. The CDB plans to replicate the study across the Caribbean as part of their support to their Gender Equality Policy and support to MSMEs.

- **Title: Gender Mainstreaming (GM) in Disaster Risk Management.**

Principal Investigator Dr Leith Dunn; Research Associates: Mrs. Indi McLymont Lafayette; Field Researchers in Jamaica and St Kitts and Nevis (graduates who did the GEND3032 course).

The Caribbean Disaster Emergency Agency (CDERA) commissioned this study to mainstream gender in CDEMA's Caribbean Disaster Management policies programmes and strategies. Results/Outputs included: gender-sensitive disaster risk assessment data collection instruments; production of two case studies on St Kitts and Nevis and Jamaica to assess gender mainstreaming capacity in disaster response agencies; development of training materials and delivery of two gender training workshops.

- **Title: ‘Gender Equality and ICTs in St Lucia’.**

Principal Investigators: Ms Ayanna Samuels and Dr Leith Dunn.

The Caribbean Development Bank (CDB) and the St Lucia Coalition of Services Industries commissioned this study, which was funded by UK's Department for International Development. Research findings highlighted the potential of ICTs to increase access to education, and economic empowerment for women and marginalised groups (persons with disabilities, rural youth, unemployed young mothers and unattached young men). It identified factors that contribute to women's under-representation in the ICT sector as business owners/entrepreneurs, managers and employees. The study was published on-line by the CDB.

- **Titles: 2015 Situational analysis of Human Trafficking in Jamaica' and 'The Development of a Trafficking in Persons (TIP) Information Database, Information Sharing Protocol and NATFATIP Brochure.**

Principal Investigator: Dr Leith Dunn and Research Associates: Rev Dr Margaret Fowler, Ms Indi McLymont Lafayette; Ms Keshia West, Mr. Omar Gordon, Dr Jessica Dunn and Panos Caribbean.

Draft and final reports for these two projects, which started in December 2014, were submitted during the reporting period to the Ministry of Justice's National Task Force Against Trafficking in Persons (NATFATIP) and the United Nations Development Programme (UNDP). Research Outputs included: a 200-page report on new trends in human trafficking for sexual exploitation, forced labour, and domestic servitude; a review of anti-trafficking legislation and development of a TIP Communication Strategy; a National Anti-Trafficking Information System and Database to improve data collection analysis and reporting; production of a TIP Data-sharing Protocol and a TIP Brochure.

UWI RESEARCH DAYS 2016: FEBRUARY 17-19

IGDS Mona Unit's participation in Research Days included:

Book Launch: Dr Adwoa Onuora's book '*Anansesem: Telling Stories and Storytelling African Maternal Pedagogies*', from her PhD thesis;

Public Lecture: Ms Ayanna Samuels spoke on ‘Gender Equality and ICTs’;

Posters: (3) Human Trafficking in Jamaica; Gender and ICTs in St Lucia; and Gender and Food Safety in MSMEs in Jamaica.

Principal’s Research Award: Dr. Dunn received the Principal’s award for UWI Outstanding Researchers for her research on Human Trafficking in Jamaica. The research which attracted the most research funds in the IGDS (US\$70,000), was also featured in the URD’s 2016 Research publication.

Outreach Programme

Major activities included:

- International Women’s Day (IWD) March 8, 2016: The launch of the UNDP’s publication: ‘*Where Are the Women? A Study of Women Politics, Parliaments and Equality in the CARICOM countries – Jamaica Case Study*’, and a panel discussion on: ‘The Politics of Leadership – Women at the Table’, were held in collaboration with UNDP and UN Women, at the UWI Mona campus.
- International Men’s Day, November 19, 2015: A Men’s Public Health Education forum was held at The UWI Undercroft with support from The UWI’s Hugh Wynter Fertility Management Unit. Guest speaker was Dr Clinton Hutton, UWI Lecturer in Government. Participants included students from UWI and the Haile Selassie High School
- The 4th Annual International Colloquium on Black Males in Education: October 7–9, 2015 in Kingston. The IGDS Mona Unit, in collaboration with the University of Wisconsin-Madison’s Equity and Inclusion Laboratory (WeiLab) organized this international conference, Highlights were: the Opening Ceremony with Guest Speaker, Mr. Floyd Morris - then president of the Jamaican Senate and Director of the UWI’s Centre for Disability Studies at Mona; a Graduate Academy held at the UWI Regional HQ with 100 local and US university students to encourage males to pursue postgraduate

studies; a College Academy held at Haile Selassie High School, to encourage males to pursue tertiary education; an academic conference held at the Jamaica Conference Centre. The programme concluded with an Awards Ceremony and Banquet at which Warrior Awards, were presented to WeiLab and IGDS nominees for their work in promoting black males in education. The IGDS' nominees were: Professor Barry Chevannes former Dean in the Faculty of Social Sciences, founder of Fathers' Inc. and author of several gender-related research publications and Dr Peter Weller, Clinical Psychologist, co-founder of the CARIMAN Initiative. (The posthumous award to Professor Chevannes was received by his wife Mrs. Pauletta Chevannes.)

- IGDS Brown Bag Lunchtime Sessions: Two sessions were held on November 4, 2015 on 'Women and Leadership' and on February 11, 2016 on 'The UWI, Mona's Sexual Harassment Policy'.

SERVICE TO THE UWI-12 COUNTRIES AND UNDERSERVED COMMUNITIES

Main activities included:

- Research on Gender Equity and ICTs in St Lucia funded by the Caribbean Development Bank and a follow-up presentation at a CDB regional training workshop on Mainstreaming Gender in Trade held in Barbados, from November 23–26, 2015;
- Research on Gender Mainstreaming in CDEMA's Disaster risk management policies and programmes and disaster needs assessment tools; TA for two gender training workshops for disaster managers in Turks and Caicos Islands and in St Lucia.
- Conference participation: Dr Dunn presented a paper on Mainstreaming Gender in Disasters (via Skype) at the UWI Open Campus Belize Conference.

Support to underserved communities

Dr Marshall was Mona Unit's representative on the UWI Mona Campus Principal's Task Force on Diversity and Inclusion. Ms. Carla Moore

continued research for J-FLAG's Youth Mainstreaming Policy and collaborated with Psychologist Dr. Jennifer Stuart-Dixon to submit a grant application to J-FLAG to conduct sensitization on gender and sexual identity issues with WJC Guild of Students, Peer Support Providers, and select UWI staff.

PAPERS PRESENTED

Major Conferences/Seminars

- Feminist and Women's Studies Association (FWSA) Biennial Conference: Dr Adwoa Onuora, presented a paper entitled: "M(OTHER)ING: A Narrative on the Consequences of Epistemological Violence ". 2015, Leeds, United Kingdom, September 3–13, 2015.
- International Symposium on Education and the Sustainable Development Goals (SDG): April 26–27, 2016, London: Ramphal Institute RI), Education International, Kings College London and the National Union of Teachers. Dr Dunn was lead presenter on "Gender, Education and the Sustainable Development Goals".
- 17th Annual Conference of The Sir Arthur Lewis Institute of Social and Economic Studies (SALISES): March 29–April 1, 2016 at the Hilton Hotel, Barbados. Dr Marshall presented a paper with her father, Mr. Hammington Marshall entitled "Resistance is not Futile: The Legacy of Bussa and the Expectations of Independence among Barbadian and Guyanese Men."
- 'Hair and Sex: Conversations on the Politics of Black hair': March 16–18, 2016 UWI Mona WJC symposium. This was held to commemorate International Woman's Day, World Poetry Day, and Day for the Elimination of Racial Discrimination. Ms. Carla Moore organised this event which explored the implications of gender, race, sexuality, and notions of beauty and respectability in the lives of African-diasporic people.
- Third Biennial Rex Nettleford Arts Conference: 'Growing the Arts: Breaking Boundaries': October 14–17, 2015 at Edna Manley College for the Visual and Performing Arts (EMCVPA). Ms. Carla Moore

(WJC) and Kai Barratt (University of Technology, Jamaica), presented on a panel entitled “Representation and Resistance in Popular Culture”.

- "Beyond Homophobia: Exploring Identities and Sexualities in Jamaica Department of Sociology, Psychology and Social Work Symposium: October 21, 2015, at The UWI Mona. Ms Carla Moore presented a paper from her Masters' thesis entitled 'Wah Eye Nuh See Heart Nuh Leap: Queer Marronage in the Jamaican Dancehall'.
- SALISES Caribbean Child Research Conference: November 4–6, 2015 at the Jamaica Conference Centre. Dr Cecily Jones presented a paper entitled “Historicising Caribbean Childhood”. Dr Leith Dunn presented a paper entitled “Human Trafficking in Jamaica’ as part of a National Anti-Trafficking Task Force panel.
- 41st Annual Conference for Caribbean Studies Association. “Caribbean Global Movements: People, Ideas, Culture, Arts and Economic Sustainability”, June 5–11, 2016, at the Marriott Hotel, Turgeau Port-au-Prince, Haïti: i) Dr. Adwoa Onuora presented a paper entitled: “Interrogating ‘Caribbean Feminism(s)’: A Dissident Perspective”, (8 pages). ii) Ms Carla Moore presented a paper entitled: “Faith, Exodus, Resistance and Symbolic Annihilation of Caribbean Queers”, on a panel that she organized. iii) Dr Cecily Jones organised an IGDS panel.

PUBLICATIONS

Books & Monographs

- **Dunn, Leith** and Barbara Bailey (eds), 2015. “Gender Perspectives in Education: Caribbean Impact, Global Reach.” *Caribbean Review of Gender Studies*, issue 9, 3–12.

Journal Article

- Dunn, L., and Dunn. H., “Sexual Safety and ICT Security for Secondary School Girls”. London: *Global Information Watch* (2015): 156-159.

Technical Reports

- **Dunn, L** (2016). Human Trafficking in Jamaica. Prepared for the Ministry of Justice's National Anti-Trafficking Task Force and the United Nations Development Programme (UNDP). (200 pages).
- **Samuels, A., and Dunn, L.,** (2015). Gender Equality in ICTs in St Lucia. Prepared for the Caribbean Development Bank and the St Lucia Coalition of Services Industries Limited. (83 pages).
- **Dunn, L., and McLymont-Lafayette, I.,** (2015). Mainstreaming Gender in CDEMA's Policies, Strategies and Post Disaster Needs Assessment Tools. Prepared for the Caribbean Disaster Management Agency.
- **Dunn, Leith and Carr, K.,** (2015). Integrating Gender in Food Safety Standards MSME's in Jamaica. Prepared for the Caribbean Development Bank and the Bureau of Standards Jamaica.
- **Dr Dunn** (with support from Ms Ingrid Nicely), prepared the IGDS Mona Unit report for the Economic and Social Survey of Jamaica's (ESSJ) 2015 published by the Planning Institute of Jamaica, March 2016.

INCOME GENERATION

The Unit contributed an estimated US\$233,267.12 to the UWI during AY 2015/2016 from tuition fees.

PUBLIC SERVICE

Dr Dunn: The International Association for Feminist Economics (IAFFE), the Caribbean Studies Association (CSA) and the Editorial Boards of the Caribbean Review of Gender Studies; Executive Board member, Foundation for International Training (Canada); since 2016, a member of the resource network for the United Nations Secretary General's High-Level Panel on Women's Economic Empowerment. Dr Dunn served as a peer reviewer for two academic journals and is a member of the editorial board of three academic journals.

Dr Cecily Jones served as: Editor for the *Gender Focal Point Handbook* for the Gender Equality Unit (GEU) at UN-Habitat; Reviewer for the following journals: *The Black Scholar*, *USA Journal TBS*, *Post-Colonial Text*, *European journal*; 'Colourism Studies' (USA Journal); as Book reviewer and Review Editor for *H-Net Slavery* and occasional contributions to Gender and Slavery; Manuscript reviewer for Manchester University Press, UK, and the CRGS. She was also a member of: the Society for Caribbean Studies (UK), British Sociological Association, and Caribbean Studies Association.

Dr Marshall served as a member of: The editorial boards of *Caribbean Review of Gender Studies Online Journal* and *Jonkonu Arts Journal* (Edna Manley College of the Visual and Performing Arts); Board of Directors of Association of Women's Organizations of Jamaica (AWOJA); the British Sociological Association; The Association of Black Sociologists, The Association for the Study of the Worldwide African Diaspora, and African Studies Association of Africa.

Dr Onuora served as a member of: 51% Coalition, Motherhood Initiative for Community & Research Involvement (MIRCI) and Caribbean Studies Association. She was appointed as reviewer for: Caribbean Journal of Education, the Social and Economic Studies Journal and Cultural Dynamics Journal, and IGDS Representative for VERJ (Voices for Equal Rights and Justice) tasked with advocacy around the revision of Jamaica's Sexual Offences Act.

Mrs. Carr-Tobias was selected in May 2016 as IGDS MU's representative on Climate Change and Behavioural Change Working Group to provide advice and guidance to the Climate Change Division of the Ministry of Economic Growth and Job Creation.

INSTITUTE FOR GENDER AND DEVELOPMENT STUDIES, REGIONAL COORDINATING UNIT



Professor Verene A. Shepherd
University Director & Regional Coordinator

OVERVIEW

The Institute for Gender and Development Studies (IGDS) is an independent, multi- and interdisciplinary Institute of the University of the West Indies and falls outside of the traditional Faculty system. The IGDS consists of the Office of the University Director (Regional Coordinating Office or RCO), located in the Regional Headquarters of the UWI, and three Campus-based Units, each with its own Head, located at Cave Hill, Barbados, Mona, Jamaica and St Augustine, Trinidad & Tobago. The IGDS also maintains active links with the Open Campus. The University Director, based in the RCO, has oversight of the Campus-based Units as the RCO functions as the administrative hub of the regional Institute. A key role of the RCO is to coordinate, where necessary, major regional activities, in consultation with the Unit Heads

and partners. In addition to its administrative duties, the RCO has responsibility for helping to finance the enterprise and does so through collaborative initiatives with its partners, including UNWomen, UNDP, UNFPA, the IDB and CDB. Administering the Graduate Programme at the Mona Campus is also the responsibility of the RCO, although the recommendation of the Quality Assurance Team that reviewed the IGDS in 2012 is that all teaching should take place at the Mona Campus, with the RCO focussing on project-driven research and administration.

The activities of the RCO for the period under review were governed by the IGDS' Mission Statement, which is to "Produce and disseminate knowledge to transform gender relations in the Caribbean, in support of the UWI's mission to enhance regional and international development."

Its Vision is to ensure that "All UWI graduates are committed to social justice and the promotion of gender-responsive human relations and development." Like the wider IGDS, the RCO tried to achieve this Mission and Vision by producing and delivering interdisciplinary and multidisciplinary programmes characterized by excellence in:

- Teaching and learning guided by feminist theories and Gender & Development perspectives, principles and practices,
- Research and publications from a gender perspective that investigate societal issues and challenges,
- Public service, outreach and activism that transform gender relations and promote social justice, and
- Building partnerships and mobilizing resources to facilitate its work.

Most of the energies of the RCO during the period under review were directed towards ensuring that the Office continued to play its critical role in helping to shape several of the key strategic themes and goals of the Institute itself as well as of the wider UWI, falling under the broad themes of: Teaching, Learning and Student Development, Research and Innovation and Outreach.

Since 2014, the larger IGDS, led by the RCO, has been tasked by the UWI with developing a UWI-wide Gender Policy, which will ensure the

Institution's compliance with Jamaica's National Policy for Gender Equality and develop best practices for the UWI in the areas of gender equity, equality and parity and eliminate sexism from the practices and processes of the UWI. During the period under review, the Regional Steering Committee comprising members of all the Campus-Based Units, the RCO, the Open Campus, the University Registrar and the Office of Planning and Institutional Research, with the help of a Consultant, continued to provide oversight and implementation of the work plan for the process on all campuses as well as at the Regional Headquarters. A draft policy is expected to be presented to all Boards and Committees at the January 2017 UWI meetings. A concept paper on the Gender Policy was, however, presented to the Vice-Chancellor in an effort to ensure the integration of gender-sensitive policies and programmes into the next UWI Strategic and Operational Plans, already underway.

The remainder of this Report highlights the work of the RCO of the IGDS in the critical areas mentioned in this Overview.

TEACHING, LEARNING AND STUDENT DEVELOPMENT

During the AY, the RCO offered the following Degrees in Gender & Development Studies:

- A Postgraduate Diploma
- An MSc (with a Research Paper or 3-month internship report)
- MPhil and PhD Degrees (in a wide range of related fields)

Seven graduate courses were offered during the period and taught by Prof. Verene Shepherd, Drs Dalea Bean and Natasha Mortley, and adjunct staff Dr Jean Johnson and Ms. Joan French. Numbers in the taught Master's programme remained relatively steady and the Unit presented 1 PhD (Keino Senior), 3 MSc, and 1 Postgraduate Diploma students at the graduation ceremony held in October 2015. The RCO currently has 33 students in the combined Graduate Programme.

The RCO also continued its Staff/Graduate Seminar Series. A Graduate symposium was held on April 28, 2016. Presenters were able to engage with a wide range of research issues and the series provided insight into the research papers or internship programmes for graduate students.

In addition to teaching and graduate supervision, the RCO found funding for both financially challenged and outstanding graduate students, maintaining both a Fund for MSc students and the Louraine Emmanuel Fund. The Unit made the second Louraine Emmanuel Award (a financial grant of US\$500) to Dr Keino Senior (PhD graduate) and Ms. Carlyn Thompson (MSc graduate) on December 18, 2015. The prize consisted of both a cash and book award. The RCO was recognized at the Campus' Scholarship Graduate Award Breakfast held in April 2016 for Outstanding Performance in the Development of Research Students, 2014–2015.

The RCO held its first graduate curriculum review meeting on January 8, 2016 at the Jamaica Pegasus Hotel. The meeting sought to begin the review process of the entire RCO graduate programme and included discussions on the content and structure of the programme. Other review meetings will be held in the upcoming months. The review process is being anchored by Professor Shepherd and Dr Bean.

STAFFING

The staff complement in the RCO remains small despite persistent requests for additional researchers. This severely handicaps our productivity. Nevertheless supporting the various programmes and activities were, in addition to the University Director, and the lecturers already mentioned, Administrative Officer, Mrs. Shakira Maxwell (up to February 29, 2016), Dr Roger Nesbeth (with effect from March 1, 2016), Junior Research Fellow, Mrs. Suzanne Charles Watson, Senior Secretary Mrs. Kadine Marshall Williams, and Senior Office Attendant, Mrs. Margaret Rowe-Hunter. The Unit hosted Dr Anne Bailey, Associate Professor of History and Africana Studies at Binghamton University (SUNY) in the United States. While attached to the Unit, Dr Bailey, participated in teaching and the RCO's seminar series.

RESEARCH

The RCO continued to participate in regional research, which informs policy making throughout the Caribbean. Below is a highlight of the major research undertaken during the period:

- **The Regional Masculinity Project:** this is spearheaded by the RCO, but is a CARICOM wide study which aims to examine the ways in which the lives of Caribbean men have evolved over the last thirty years. Data sets on the first set of indicators, which include information on personal demographic factors for Caribbean boys and men have been submitted by Miss Ornella Kelly who was hired to assist the RCO and the JRF on this Project.
- **The Gibson Relays Project:** this was commissioned by Professor Rainford Wilks on behalf of the Gibson Relays Committee and research was spearheaded by the University Director, with research input from Mrs. Charles Watson, Mr. Kemal Brown and MSc. graduate student Mr. Deighton Stuart. Special mention should be made of the role of Drs Dalea Bean and Natasha Mortley in negotiating the Project funds. The research not only aimed at cataloguing the evolution of this relay carnival but also to highlight issues relating to gender and sports. The Project document, already submitted to Professor Wilks, is now being transformed into a book, authored by Professor Verene Shepherd, with help from Mr Ian Randle.
- **Module on Gender and Disaster Risk Management:** The RCO has been contracted by the Institute for Sustainable Development (ISD) to produce this Module, which will form a part of the ISD's MSc programme. This project is sponsored by the ISD's Enhancing Knowledge and Application of Comprehensive Disaster Risk Management Initiative (EKACDM) and is a collaborative effort with the Curriculum Development Unit of the UWI Open Campus. Based on the timetable of the Open Campus online platform the module will be available for use in the second semester of the AY 2016/2017.

- **Regional Gender Analytical Framework for Capacity-Building:** The RCO developed and submitted a proposal to the Caribbean Development Bank (CDB) for a workshop for Ministries of Education and National Gender Bureaux. The proposal was accepted and the RCO conducted the Regional Gender Analytical Framework capacity-Building workshop for Ministries of Education and National Gender Bureaux on May 24 and 25, 2016 in Barbados. The facilitators were Dr Dalea Bean and Mrs. Suzanne Charles-Watson.

The RCO expects to see the outcome of its bid during the period under review, for other projects from UNESCO and JSIF.

OUTREACH

The RCO engaged in several important outreach activities during the period August 2015–July 2016, some addressing the development mandate of the Institute. These included:

- **The IGDS’ Regional Lecture Series:** this is the IGDS’ flagship Lecture Series for the current AY and was launched on International Women’s day in March 2016 in collaboration with the Open Campus. The theme is Exploring Caribbean Feminisms: History, Culture and Movements of Social Change. The lecture series hopes to create a space for dialogue, intended to guide the region in imaging new social possibilities and fresh ways of thinking through the old challenges of social justice and gender inequity. The 3rd and 4th lectures in the Series were delivered by Professor Verene Shepherd in Montserrat (July 13) with a lecture titled “Say You sorry: Justice for Enslaved Women in the Caribbean; and Anguilla (July 15) with a lecture entitled, ‘Honouring Our Ancestors: Gender, Memorialization and the Reparatory Justice Movement in the Caribbean’.
- **Legacies of Slavery and freedom:** A family Journey through the Atlantic World with Keith Stokes and Humphrey Barclay: Thursday June 23, 2016. The IGDS, RCO sponsored this seminar, which was organised by Dr Dalea Bean & the RCO team and moderated by Professor Verene A. Shepherd.

- **The Assassination of Walter Rodney in Guyana:** Reflections on the Report of the Commission of Inquiry: The IGDS RCO and Mona Unit, in collaboration with the Office of the Vice Chancellor, the Department of Government, the Walter Rodney Foundation and the Justice for Walter Rodney Committee hosted a Public Forum on the recent findings of the International Commission of Inquiry into the Death of Dr Walter Rodney on June 15, 2016. Participants in the event included Rodney Scholar – Professor Rupert Lewis, Mr. Clement Iton, University Registrar, Dr. Patricia Rodney (widow of Walter Rodney who provided a gendered perspective of her experiences), Mr. Richard Small, QC, Professor Horace Campbell (Syracuse University, and Justice for Walter Rodney Committee – JWRC), Mr. Wazir Mohammed (Journalist and JWRC member), and Mr. Andrew Pilgrim (lawyer for the Rodney family).
- **International Day for the Elimination of Violence Against Women:** (November 25–December 10 – the 16 Days of Activism Against Gender Based Violence). The RCO observed this Day as well as the 16 Days of Activism Against Gender Based Violence, not only in the Institute but across the wider UWI, sensitizing the Community about the impact of GBV. The RCO received congratulations for placing a banner strategically at the Post Office Gate of the main campus of the UWI to bring attention to IDEVAW. Mrs. Shakira Maxwell also represented the RCO at the Bureau of Gender Affairs Social media Launch of IDEVAW held on November 25 at the Terra Nova Hotel.
- **International Men’s Day:** (November 19): The RCO sent out press releases to local media houses and internally via the Mona Campus Messaging System in recognition of International Men’s Day. Mrs. Suzanne Charles Watson and Professor Verene Shepherd further prepared statements for both International Men’s Day on November 19 and IDEVAW on November 25, both of which were published by the Jamaica Observer.
- **Brown Bag Series:** In collaboration with the Mona Campus Unit of the IGDS, the RCO re-launched Brown Bag Series, “Conversations

with Gender.” The 3rd in the Series was held on November 9, 2015. The series remain an integral attempt on the part of the Units to re-engage the campus community on issues around Gender and Development. This third seminar was focused on the theme, “Women and Leadership at UWI” and featured panelists, Prof. Jessica Byron and Ms. Minna Israel. Moderated by Dr. Mortley, it was well attended and generated much discussion. The seminar was jointly organized by Drs. Cecily Jones and Adwoa Onuora from the MCU and Dr. Mortley and Mrs. Maxwell from the RCO.

- **Jamaica Premiere of the film ‘Queen Nanny’**, written and directed by Roy T. Anderson: The RCO was a sponsor of this screening, which took place on October 23, 2015. Professor Shepherd who is in the film, also moderated the subsequent panel discussion which took place immediately following the screening.

FUNDING THE ENTERPRISE: INCOME GENERATION

The IGDS, RCO, like other Departments has made fundraising for Project Research and Student Development a part of its mandate. In addition to income from the MSc self-financing programme (J\$2,046,921.28 for the period under review), the RCO won the following bids and hopes to finalise MOUs/Contracts with those stakeholders:

1. Enhancing Knowledge and Application of Comprehensive Disaster Management (EKACDM) project – CAD\$35,000.00
2. Caribbean Development Bank/Ministries of Education and National Gender Bureaux Regional Gender Analytical Framework Capacity-Building Project - US\$23,000.00
3. Jamaica Social Investment Fund (JSIF) project – US\$45,000.00
4. United Nations Educational Scientific and Cultural Organisation (UNESCO) project – US\$18,000.00

ACADEMIC ACTIVITY: STAFF MEMBERS

In addition to carrying out their teaching and administrative responsibilities and participating in general IGDS activities (workshops, projects, e.g.), members of staff found time to attend various academic fora at which they made individual presentations. A sample is highlighted below:

Individual Papers & Lectures Presented at Conferences, Meetings, Seminars, Workshops

Dr. Dalea Bean

- “Brave manhood/Selfless Womanhood: Engendering Recruitment efforts in Jamaica during World War 1”, March 11, 2016, the North American Conference on African and Black Studies, Washington DC, USA. (10 pages)
- “Introduction to Concepts in Gender for Health Care Professionals”, November 17, 2015, Guest Lecturer – Master in Public Health-Gerontology, UWI, Mona. (20 slides)
- “Gendering Enslavement in the British Colonised Caribbean”, September 23, 2015, Guest Lecturer – Course: GEND 3031: Gender, Sex and Society, UWI, Mona. (25 slides)

Mrs. Suzanne Charles Watson

- Panellist/Discussant on Explorations IV: Masculinities hosted by the National Gallery of Jamaica, 2016, Kingston, Jamaica.
- Panellist/Discussant at the Women’s Leadership Initiative (WLI, Jamaica), “Breaking the Glass Ceiling: What will it take to establish a work environment where gender is a non-issue?” Inaugural International Women’s Day Conference, 2016, Kingston, Jamaica.
- “Of Caribbean Men and Masculinities. Setting new Agendas and Establishing new Research Directions”, 4th Annual International Colloquium, Creating Opportunity through Education: Re-Engineering the Social Eco-system for Black Males, October 2015, Kingston, Jamaica. (12 pages)

- “Caribbean Education Systems: Student perceptions of race as predictive of educational outputs and outcomes”, Coloquio “La Historia De Vida De Las Maestras Africanas Y Afro Descendientes En Colombia, Brasil, Guatemala, Venezuela, Guinea Ecuatorial, Jamaica., September 2015, Kingston, Jamaica. (18 pages)

Dr. Natasha Mortley

- Visiting Scholar La Salle University, Bogota, Colombia, delivered Lectures on Feminist Research Methods, June 11 to 26, 2016
- Presenter – EU, IOM, OES Secretariat Stakeholder Forum on Diaspora Engagement and Remittances for Development in the OECS, August 25 and 26, 2016, St. Lucia, (25 slides)

Dr. Roger Nesbeth

- “Internationalization and Corporatization of Higher Education: the Caribbean Experience,” 15th Annual Association of Caribbean Higher Education Administrators Conference, July 7–9, 2016, Runaway Bay, Jamaica. (48 slides)

Professor Verene Shepherd

- “Robert Bradshaw, Regional Integration and the Movement for Reparatory Justice: Betraying a Dream?” The Robert Bradshaw Centennial Lecture, St Kitts/Nevis, June 28, 2016. (38 pages)
- “Reparation, Reconciliation, Rehabilitation and the Politics of Memory in Caribbean Societies”, the University of Toronto, March 31, 2016. (21 pages)
- Received honour as a Distinguished Woman of the Americas by the Jamaica Diaspora Initiative. This group highlights the achievements of outstanding women, and promotes exchanges and cultural understanding between women in the Caribbean and the United States of America. Professor Shepherd delivered the Inaugural Address in the Woman of the Americas Lecture Series at the Women’s History Month Awards Banquet, March 18, 2016, New York, USA. (23 pages)

- “Women in the Jamaican Parliament and the Woman’s Manifesto for Reparatory Justice: Where do you stand? The Rose Leon Memorial Lecture, March 7, 2016. (25 pages)
- “Different Materials, Same Aim: Constructing the Physical and Mental Landscapes of Jamaica from 1952 to the Present by Architects, Builders and Historians,” Incorporated Masterbuilders of Jamaica Association Awards Dinner, Pegasus Hotel, March 5, 2016. (15 pages)
- “Racism, Reparation, and Reconciliation”, University of Missouri, February 26, 2016, USA. (32 pages)
- Attended the first regional conference on the Decade for People of African Descent (as CARICOM’s Representative), December 02–04, 2015, in Brasilia, Brazil.
- “Past Imperfect, Future Perfect (?): Reparation, Rehabilitation, Reconciliation,” Keynote Lecture Conference on “Repairing the Past, Imagining the Future: Reparations and Beyond” Edinburgh, Scotland, November 5, 2015. (38 pages)
- “The Decade For People Of African Descent & Reparatory Justice,” University of St. Martin, October 3, 2015. (30 pages) While in St. Maarten, Professor Shepherd also participated in a walk for breast cancer awareness.

PUBLICATIONS

Refereed Articles & Book Chapters

- **Mortley, Natasha** (2016), Reassessing Caribbean Migration: Love, Power, and (Re) Building in the Diaspora, *Journal of International Women’s Studies*, 17 (3).

PUBLIC SERVICE

Dalea Bean

- Peer Reviewer: *Caribbean Quarterly*
- Research Volunteer: 51% Coalition
- Appointed to the editorial board of the journal, *Identity Papers: A Journal of British and Irish Studies*

Shakira Maxwell

- Member, Development Alternatives with Women For a New Era (DAWN) Caribbean. Kingston
- Member, Jamaica Women's Political Caucus
- Member, Working Group on Women's Reproductive Health and Rights. DAWN Caribbean. Kingston, Jamaica.

Natasha Mortley

- Advisor to the OECS/IOM Concept Note to IOM for funding for Programme of Research on Engaging Diaspora
- Member, Global Development Network
- Member, Jamaica Diaspora Connect

Roger Nesbeth

- Member, Association of Caribbean Higher Education Administrators
- Member, Human Resource Management Association of Jamaica

Verene Shepherd

- Member of the United Nations Committee for the Elimination of Racial Discrimination (which implements the ICERD)
- Vice-chair of the CARICOM Reparation Commission.
- Chair (now Co-Chair), National Commission/Council on Reparation (Jamaica)

- Editorial Board, *Caribbean Quarterly*, *Jamaica Journal*, *Journal of Caribbean History*, *Slavery and Abolition*, *Atlantic Studies*
- Host of “Talking History” on Nationwide 90FM

CONCLUSION

The RCO continues to improve its throughput rate and participate in several public service and outreach activities. It also maintains its regional and international links and is a leader in the area of Gender and Development locally and regionally, with international impact. In the coming year, as it finalizes the UWI Gender Policy, it will provide an invaluable service to the institution and region.

INTERNATIONAL CENTRE FOR ENVIRONMENTAL AND NUCLEAR SCIENCES (ICENS)



Charles Grant MSc, *University of Surrey*
Director General

After 31 years of operation the SLOWPOKE-2 Research Reactor at the International Centre for Environmental and Nuclear Sciences (ICENS) was successfully converted from Highly Enriched Uranium (HEU) to Low enriched Uranium (LEU). The removal of HEU (weapons grade material) from civilian use is in line with Jamaica's firm commitment to the three pillars of the Non-Proliferation Treaty: nuclear disarmament, nuclear non-proliferation and peaceful uses of nuclear technology. The final day of operation with the HEU core was on the 17th of July 2015, the fuel was removed from Jamaica's territorial control on the 4th of September at 2:13 am, making the Caribbean a HEU free zone.

The HEU has been safely and securely stored at the United States Department of Energy (USDoE) Savannah River Site, pending final disposition, which often involves blending to low enrichment and

distribution to the Tennessee Valley Authority for generation of electricity. The reactor achieved its first criticality with LEU on the 30th of September, 2015 and is expected to operate for another 40 years. This process was only possible through the kind assistance of the International Atomic Energy Agency in the development of a tripartite Project and Supply Agreement between the Governments of Jamaica and the United States of America and the International Atomic Energy Agency. The successful completion of the conversion required the development of new core configuration calculations and models; fuel fabrication, logistics for transportation, safety plans; regulatory licensing and security procedures; along with training for the safe transportation of fresh and spent fuel and strict adherence to international Safeguards Agreements. This project was funded almost entirely by the Government of United States of America and is valued at approximately 1 billion Jamaican dollars.

PROJECT ACHIEVEMENTS

New Low Enriched Uranium core successfully modelled; New low Enriched Uranium core designed; New Low Enriched Uranium core manufactured; New tools designed and fabricated for the removal Highly Enriched Uranium core; Mock up reactor built for training purposes; Nuclear Safety and Radiation Protection bill passed through both Houses of Parliament; Permits and licenses obtained to allow fresh fuel in and irradiated fuel out; New Low Enriched Uranium fuel shipped to Jamaica from the USA; Highly Enriched Uranium reactor core safely removed; New Low Enriched Uranium core assembled; New Low Enriched Uranium core installed and commissioned; New Low Enriched Uranium core fully operational; Efficiency of the reactor doubled.

ICENS STAFF MEMBERS TRAINED IN THE FOLLOWING AREAS

Reactor core modelling; Nuclear waste management; Nuclear security; Nuclear fuel transportation; Radiation shielding calculations; Fission criticality calculations; Emergency Preparedness.

Phase 2 of the reactor upgrades is scheduled to commence in 2016 and

will involve the move from analogue control systems to digital. Funding for this will be provided through the IAEA as a national project. The initial contracts for this project will be completed by the 1st of September 2016.

WORK OF THE DEPARTMENT

The main long term goals of ICENS are to contribute to the nation's socio-economic advancement through the innovative application of Science and Technology to national and regional issues. ICENS research continued to focus on the abundances and transfers of inorganic trace elements in the chain bedrock ► soil ► food ► humans. Over 50 elements were routinely determined, using NAA, EDXRF, TXRF, ICP-OES, AAS and ion chromatography, the technique used depending on the type of sample medium analysed.

Trace element speciation in soils

Geochemical research continues to focus on the speciation of trace elements such as Arsenic, Cadmium, Chromium, Mercury and Lead in Jamaican agricultural soils, i.e. its distribution pathways in a particular sample or material type. Effects such as the microstructural changes on the microbial organic matter loading capacity of clay minerals in soils (e.g. montmorillonite) and the role of ligand formation with anions continue to be studied.

Food Safety and Security

During the reporting period ICENS continued to search for new ways to grow export-quality agricultural products low in potentially toxic elements as a short-term venture aimed at helping Jamaican farmers to grow such produce without having to change field practice. Compilation of a Jamaican national database of food compositions continued, using the data for Jamaican farmed and processed foodstuffs with the ultimate aim of providing:

- Food composition tables setting out major and trace element contents to support nutrition and diet prescriptions and regulations as to elemental contents.
- Better understanding of how food plants and animals take up elements from soil, as a means to guide land use planning.
- Indications of the effects of elemental interactions on plant uptakes.
- Ways to ensure food quality and compliance with relevant international food standards.

The food database will be structured into sections on root vegetables, leafy vegetables, grains, fruits, seafood and processed or packaged foods. The database presently contains results of an estimated 1,500 analyses for up to 35 inorganic elements.

The chemistry of human tissues

ICENS continues its work on the elemental content of human tissues (blood, urine and placenta samples) building up background information on the trace element concentrations in human tissue in order to allow comparisons between healthy and diseased persons, using Total Reflection X-ray Fluorescence analysis (TXRF) on blood samples collected from blood donors.

Radiological Services

ICENS continues to provide radiation dosimetry, monitoring and radiological advisory services to over 2000 users of ionizing radiation in Jamaica and five other territories in the Caribbean region. The main users are Medical facilities (including Dentistry and Veterinary services), various industries and researchers.

MAJOR ACTIVITIES AND PROJECTS

Upgrade of Reactor Infrastructure at the University of West Indies

SLOWPOKE Facility JM-1

The infrastructure of ICENS and most of the equipment is between 15 and 30 years old. Upon completion of the core conversion ICENS will be set to continue operations for another 40 years at an expanded level including regional partners. To facilitate this, much of the equipment and infrastructure will require upgrading. This project will have impact on the following national priorities as identified in the Jamaican Country Program Framework:

Legislative Framework and Regulatory Infrastructure for Radiation and Nuclear Safety and Security; human Health; Energy Planning; Management of Water Resources and Environmental Protection; Food and Agriculture; Radiation Technology; Human Resources Development.

This project has commenced in August 2016 and will last for four years; initial funding has exceeded €650,000.00.

Strengthening Cradle-to-Grave Control of Radioactive Sources in the Caribbean Region

While we are fully appreciative of the benefits of nuclear technology, we are also cognisant of the need for applying these technologies in a safe and secure manner. The unsafe use of radioactive sources can have a harmful effect on people and the environment and therefore a national regulatory infrastructure is necessary to establish the rules and guidelines for users of radioactive sources and, to ensure that the rules are implemented throughout the entire life of sources, i.e. from cradle to grave. Moreover, once radioactive sources have reached the end of their life cycle, they must be carefully managed and disposed of, so that they do not end up in the environment or come into contact with people in an unsafe way. For this reason, ICENS through the Government of Jamaica collaborated with the IAEA on a project to support the creation of infrastructure and human capacities for regulatory bodies in our

Region. From April 4th to April 8th, 2016 ICENS convened the first coordination meeting of the IAEA Regional Project “Strengthening Cradle to Grave Control of Radioactive Sources. The meeting was opened by his Excellency Yukiya Amano, the Director General of the IAEA and the permanent secretary of the Ministry of Science, Energy and Technology Ms Hilary Alexander. The meeting was attended by participants from Antigua and Barbuda, The Bahamas, Barbados, Cuba, Dominica, Honduras, Trinidad and Tobago, the United States and Venezuela and representatives of the IAEA as well as the Jamaican regulatory body.

Decommissioning of the UWI Chemistry Neutron Generator facility

As a direct result of the regional “Cradle to Grave” project on the final disposition of sealed radioactive sources the disused 7 Ci ²⁴¹Am-Be Neutron Generator in the Chemistry Department, was scheduled for removal by ICENS. With the assistance of the “Off-Site Source Recovery Project under the US DOE, National Nuclear Security Administration office of Global Material Security, Radiological Security” the facility was decommissioned on the 24th of August 2015. The source was packaged for export and has been shipped to the United States of America. This project was completed at no cost to the University or to the Government of Jamaica.

Developing a Capacity Building Programme to Ensure Sustainable Operation of Nuclear Research Reactors through Personnel Training

In Latin America and the Caribbean only six countries have Nuclear Research Reactors (NRR), these countries are: Argentina, Brazil, Chile, Jamaica, Mexico and Peru. Most of these NRR’s were commissioned during 1980’s, experience in specialized areas such as: Neutronic and Thermal-hydraulic calculations, operation, maintenance and management has been accumulated in a few senior staff members. These personnel are on average 55 years old, with many of them to retire in the next 10 years. In the region, with the exception of Argentina, there are not many technical or professional training/educational resources to specialize in

NRR operation, maintenance and management. This situation presents a challenge to the future operation of the regional NRR. As the training of nuclear professionals and technicians for reactors takes several years, building new human resources to preserve the nuclear knowledge amassed over the last 30 years is a high priority. This project seeks to transfer knowledge through theory and practical training to increase the number and quality of trained professionals and technicians in the operation and maintenance of Nuclear Research Reactors to ensure the sustainable operation of these for the regional supply of radioisotopes for diagnostic and medical therapy, industry and demand of technological services. This will be achieved through the joint development of online standardised e-learning modules that can be shared with all NRR's in the region.

Nuclear Technology

The long awaited “Nuclear Safety and Radiation Protection Act, 2015” came into effect on August 10, 2015. The Hazardous Substance Regulatory Authority (HSRA) was subsequently established with independence and authority to effectively perform the required functions pursuant to the Act, aimed at protecting human health and the environment while harnessing the benefits of nuclear technology. Although the Act explicitly prohibits the building of a nuclear power plant at this time (due largely to the present lack of human capacity to regulate the industry), it is the first all important step to open the debate on nuclear energy. ICENS' knowledge of nuclear energy will therefore continue to be relevant to analysis of the Jamaican energy situation. Additionally, there has also been speculation on the installation of a 1000 Mw (electrical) plant at ALPART, which is well within the realm of current nuclear technology. Their use in Jamaica therefore deserves closer examination. In this connection ICENS takes part in local and regional IAEA initiatives to support the rational considerations of nuclear energy in the region.

IAEA Coordinated Research Project (CRP-T33001)

ICENS received funding from the IAEA in the sum of €4,000 in the first year for the submitted research proposal titled “Development of a spent

fuel management plan for the Jamaican SLOWPOKE-2 Research Reactor LEU fuel” under the IAEA’s “Options and Technologies for Managing the Back End of the Research Reactor Nuclear Fuel Cycle” Coordinated Research Project (CRP-T33001). The project report at the end of the first year was reviewed by the IAEA; the project has been extended and funded for an additional year.

ICENS Air Quality Programme

The purpose of the proposed programme is to set up an Air Quality Programme aimed at strengthening collaboration between the centre and the Ministry of Water, Land, Environment & Climate Change; improvement of the research and services profile of the centre, and community engagement.

Open system architecture for Neutron Activation Analysis (OpenNAA)

This is the second year of an ICENS 4 year coordinated research programme (CRP) with the IAEA to develop a modern architectural framework specification (OpenNAA), and reference implementation for Neutron Activation Analysis (NAA). The research aims to develop a modern open system architecture for NAA, that provides the required set of functionalities, and specifies a mechanism for the various hardware/software and software/software interactions among: data acquisition systems; specialised hardware such as sample changers and sample loaders; data analysis modules that perform peak search, area determination and identification; nuclide library management; peak energy and shape calibration; efficiency calibration; quantification; data I/O for storage and retrieval; and QA/QC functions.

Data Sharing

ICENS continued to add value to primary field and laboratory data by transforming them into information and knowledge products suitable for providing decision makers with GIS-based spatial visualizations and predictions based on terrain models to inform realistic options for

shaping national strategies and actions. Jamaican institutions can share georeferenced digital data and information online through the ICENS EShare system.

SPECIAL PROJECTS

Based on the findings in previous crop studies, ICENS in collaboration with the Ministry of Agriculture and Fisheries has sought to examine the elemental content of newly introduced crops to determine the heavy metal loading and their possible impacts on human and animal health.

Sorghum

Samples of food-grade white Sorghum bicolor samples were collected in batches and analyzed for major and trace elements to determine the levels of beneficial elements as well as potentially toxic elements in the locally grown variety and to determine the impact of the proposed substitution to the quality of the animal feed. This project was funded by Caribbean Broilers, Ministry of Agriculture and Fisheries.

Cassava

Samples of cassava grown at the Ministry of Agriculture and Fisheries' Bodles Research Station in Old Harbour were collected. These samples comprised of fourteen (14) varieties of cassava. The cassava samples were analysed for two related reasons. The first was to determine the levels of trace elements in all samples and to see if there were discernible differences related to the varieties and secondly to determine the cyanide content.

Elemental profile of Jamaican and international coffees

Twenty-four samples of coffee were analysed with a total of 384 elemental determinations made. The project was based on the concept that using the analytical techniques available at ICENS, including instrumental neutron activation analysis, flame and graphite furnace atomic absorption spectrophotometry and inductively coupled plasma optical emission

spectroscopy among others, one might be able to determine not only the growing origins of local vs internationally grown coffee samples but that one could potentially separate the intra-island growing regions, i.e., the Blue Mountain growing regions could be separated from other areas of coffee cultivation within the island.

Trace elements in Marijuana

In collaboration with the Department of Basic Medical Sciences' Masters of Science Degree in Forensics, ICENS has analysed several sub-species of marijuana samples and associated soils in three cohorts of the programme.

The Cayman Arsenic Investigation

The Government of the Cayman Islands sought the assistance of ICENS and PAHO relating to an arsenic issue in a particular community. A number of residents had been thought to have been exposed to arsenic arising from use of an adjoining property as a processing site for debris post Hurricane Ivan. ICENS was requested to perform a number of toxicological tests on a number of individuals in the neighbouring communities and on soil and food in the area. Bulk soil samples representing different landscape architecture were collected across Grand Cayman for arsenic analysis. In order to assess the possible transfer of arsenic through the food chain, paired plant-soil samples were collected from the debris storage site and adjacent properties. Fingernail and toenail clippings were collected from members (adults and children) of the households proximal to the debris storage site. Analysis of the samples confirmed elevated levels of arsenic in localised areas, the population closest to these areas also had discernibly higher body burdens of arsenic but at subclinical concentrations.

The collaboration between ICENS, the Cayman Island authorities and PAHO to provide a science based solution to a potential environmental issue was another opportunity to illustrate the direct positive impact science and technology could have on not only national but regional problems.

ICENS WORKSHOPS

1. The following Government bodies were trained in Safe and Secure Transport of Nuclear Materials: Jamaica Constabulary Force; Jamaica Customs Agency; Jamaica Defence Force; Ministry of National Security.
2. The following Government bodies were trained in Emergency Response for Radiological Material Transportation: Jamaica Fire Brigade; Office of Disaster Preparedness and Emergency Management; Ministry of Health; Kingston & St Andrew Corporation.
3. The following Government bodies were trained in Emergency Preparedness for Radiological accidents: Ministry of Health Jamaica; Jamaica Fire Brigade; Office of Disaster Preparedness and Emergency Management.

WORKSHOPS AND TRAINING COURSES ATTENDED

- As part of the management team for the project, Mr Charles Grant attended the First Coordination Meeting of the Project RLA/1/012 "Developing a Capacity Building Programme to Ensure Sustainable Operation of Nuclear Research Reactors through Personnel Training" in Lima, Peru from 8 to 11 March 2016.
- Mr. Haile Dennis attended Technical Meeting on Conversion of Miniature Neutron Source Reactors, December 14–15, 2015 – Vienna, Austria.
- Dr Adrian Spence made a presentation entitled 'Enhancing agricultural productivity and climate change mitigation and adaptation using combined geochemical approaches' at the IICA Regional Workshop and Training Course: Management of degraded soils using organic matter, Knutsford Court Hotel, June 13–16, 2016.
- Mr. Johann Antoine, Ms. Tracey-Ann Warner and Mr. Haile Dennis attended the First Coordination Meeting of the Project RLA/9/081 "Strengthening Cradle to Grave Control of Radioactive Sources" held at the Knutsford Court Hotel from April 4th to 8th, 2016.

- Mr. Johann Antoine attended the “Workshop on establishing and implementing a Periodic Safety Review Process for Research Reactors” held at the Vienna International Centre, Vienna Austria, from April 18th to 22nd, 2016.
- Mr. Johann Antoine attended the “Workshop on establishing and implementing a Periodic Safety Review Process for Research Reactors” held at the Vienna International Centre, Vienna Austria, from April 18th to 22nd, 2016.
- Mr. Richard Hanson attended Thermo Luminescent Dosimeter (TLD) Training, Rotunda Scientific, San Diego, California (Aug/Sept 2015).

S&T POLICY RECOMMENDATIONS

While ICENS is not a policy-making body, it continued to provide scientific/technical assistance and advice to a number of National and Regional Standard Committees, Boards and local Ministries:

- Ms. Tracey Warner attended the Meeting for the Establishment of a Framework for the Certification of Organic Product convened by the Bureau of Standards Jamaica (BSJ) and the follow up on 11th February 2015 and 24th November 2015 respectively.
- Ms. Tracey Warner and Ms. Leslie Hoo Fung attended Meeting/consultation convened by the Ministry of Industry Investment and Commerce (MIIC) to discuss the Draft National Quality Policy 2015 (November 11, 2015)
- As the Jamaican Board member to ARCAL (Acuerdo Regional de Cooperación para la Promoción de la Ciencia y la Tecnología Nucleares en América Latina y el Caribe), Mr Charles Grant attended the 17th regular meeting of the ARCAL Technical Coordination (OCTA) for the selection of project proposals for the 2018–2019 cycle in the region, in Vienna, Austria from 25 to 29 April 2016.
- Mr. Charles Grant and Mr. John Preston have been participating in meetings to prepare the drafting instructions for the Nuclear Safety and Radiation Protection (Authorization) Regulations.

- Spence A. American Chemical Society (ACS) National Meeting and Exposition, Boston, MA, USA, August 16–20, 2015 – Attended meeting as the 2015/2016 Faculty Advisor and Chemistry Ambassador for the International Student Chapter of the ACS at UWI, Mona.

OUTREACH

- May 15, 2015 – career day demonstration at Kids on Campus Care and Learning Centre.
- May 22, 2015 – career day demonstration at Wonder World Early Childhood Institution.
- August 14, 2015 – Host Port Royal Marine Laboratory (UWI) summer campers.
- November 2, 2015 – Host UTECH students.
- November 17 & 27, 2015 – Host Occupational Safety and Health (BSc) students (UWI)
- 2015 Cohort of the Environmental Chemistry CHEM2601 for a tour of ICENS Facilities (November 4th, 2015).
- 2015 Cohort of the Chemistry Graduate Programme OESH 3200 for a tour of the ICENS Facilities and hazard analysis (November 17th, 2015).
- Visit by 2015 cohort of University of Technology applied Geostatistics course students (November 2nd, 2015).
- Department of Geography and Geology students tour of the reactor (November 9th, 2015).

VISITORS TO ICENS

On April 4th, 2016 the Director General of the IAEA, His Excellency Mr. Yukiya Amano, paid a visit to the University of the West Indies, Mona Campus. One of his stops during this visit was to ICENS. While there Mr. Amano met with the Director General of ICENS, Mr. Charles Grant and members of the ICENS staff. Mr. Amano was given a tour of

the Centre including the JM-1 SLOWPOKE-2 reactor, the nuclear analytical laboratory and the spectroscopy laboratory. The parties discussed the plans for upgrading the reactor facility following the core conversion under the national IAEA project and the geochemical and food research conducted at ICENS. Mr. Amano's visit to ICENS was also highlighted in Jamaica Gleaner's article, "Nuclear gets Positive Energy – Government and Opposition agree as International Agency Offers Help Whenever the Country is Ready" published on April 10th, 2016.

Other notable visitors included, Mr. Conleth Brady (Director General's Office for Coordination, IAEA), Ambassador Daven Joseph (Antigua & Barbuda), Ms. Tyesha Turner (Ministry of Foreign Affairs, Government of Jamaica), Mr. Monot Bernard (AREVA, the French Nuclear and Renewable Power Company), Mr Hilaire Lionel Mansoux (Department of Nuclear Safety and Security, IAEA), Ms. Megan Lee Lobaugh (Department of Technical Cooperation, IAEA), Mr. Juan Carlos Benitez Navarro (Department of Nuclear Energy, IAEA), Mr. Thomas Agee (US Department of Energy), Ms. Shawn Smith (U.S. Nuclear Regulatory Commission), Ms. Jennifer Holzman (U.S. Nuclear Regulatory Commission) and Mr. Mario Rodriguez (U.S. Nuclear Regulatory Commission).

Collaborations:

US Department of Energy; International Atomic energy Agency; University of Chicago, Argonne National Laboratories; Ecolé Polytechnic de Montreal, Canada; Third World Academy of Sciences; Food and Agriculture Organization of the United Nations; Bureau of Standards Jamaica; University of Surrey, UK; Polytechnic of Namibia; British Geological Survey, UK; Institute of Earth Sciences, Taiwan; Chongqing Institute of Green and Intelligent Technology, Chinese Academy of Sciences, China; University of Utah; Dublin City University, Dublin, Ireland; Ministry of Agriculture; COMSATS.

PAPERS PRESENTED

- Grant. CN. Progress on Conversion of the Jamaica SLOWPOKE Research Reactor to Operation with LEU Fuel. 36th INTERNATIONAL MEETING ON REDUCED ENRICHMENT FOR RESEARCH AND TEST REACTORS, October 11–14, 2015, Seoul, Korea. (Invited paper)
- Grant. CN. “Lessons Learned on Strategic Planning for Enhanced Utilization of Low Power Research Reactors” at the International Conference on Research Reactors: Safe Management and Effective Utilization, Vienna Austria 16–20 November 2015. (Invited paper)
- C. Koclas, A. Muftuoglu, A. Teyssedou, C. Chilian and C. Grant. Design, Fabrication and Calibration of the Slowpoke-2 LEU Commissioning Rod Assembly. RRFM European Research Reactor Conference. March 13–17, 2016. Berlin, Germany.
- John Preston, Haile Dennis and Ronmccrea Cushnie. A Facility Infrastructure Management system for the JM-1 SLOWPOKE Research Reactor. RRFM European Research Reactor Conference. March 13–17, 2016. Berlin, Germany.
- Francesc Puig, Haile Dennis. Comparison of Measured and Calculated Neutronic and Thermal Hydraulic Reactor Parameters of the LEU-fuelled Jamaican SLOWPOKE-2 Research Reactor. RRFM European Research Reactor Conference. March 13–17, 2016. Berlin, Germany.
- Grant. CN, Dennis. H.T., Preston. JA. Conversion of the Jamaican SLOWPOKE-2 Research Reactor from HEU to LEU: Sharing our Experiences. Canadian Nuclear Society (CNS) Annual Conference, Toronto, June 19–22, 2016. (invited paper)

Conference Posters

- Johann Antoine, Leslie Hoo Fung and Charles Grant “The Dietary Intake of Minerals and Trace Elements from Jamaican and other Soluble Coffees using Instrumental Neutron Activation Analysis and associated techniques” at the Joint NAMLS 11/ MTAA 14

conference. Technical University of Delft in The Netherlands from August 23rd to August 28th, 2015 (Awarded best poster presentation)

- Johann Antoine, Charles Grant, Shonique Ebanks and Robin Rattray, “Sourcing the provenance of Jamaican Cannabis from four locations by elemental profiling using Instrumental Neutron Activation Analysis” at the Joint NAMLS 11/ MTAA 14 conference. Technical University of Delft in The Netherlands from August 23rd to August 28th, 2015.
- Ms. Tracey Ann Warner, “Documentation Experiences for the Jamaican Slowpoke-2 Research Reactor Conversion from HEU to LEU” at the 23rd WIN Global Annual Conference: Women in Nuclear Meet Atoms for Peace.
- Spence, A. Clay mineral protects microbial-derived organic matter as macromolecular structures under the harshest possible environmental conditions. Poster presentation, 26th Goldschmidt Conference, Yokohama, Japan, June 26–July 1, 2016.
- Spence, A. American Chemical Society (ACS) National Meeting and Exposition, Boston, MA, USA, August 16–20, 2015 – Attended meeting as the 2015/2016 Advisor for the International Student Chapter of the ACS at UWI, Mona. A grant of US\$6000.00 was awarded by the ACS to cover travel expenses to the meeting for the advisor and two new ACS student members.
- Antoine JMR., Hoo Fung LA., Grant C.N. The Dietary Intake of Minerals and Trace Elements from Jamaican and other Soluble Coffees using Instrumental Neutron Activation Analysis and associated techniques. 11th International Conference on Nuclear Analytical Methods in the Life Sciences, Delft University of Technology, the Netherlands, August 23–28, 2015.
- Hoo Fung, L.A., Rattray, V.R., Lalor G.C. Assessment of cadmium, mercury and lead concentrations in Jamaican conch, lobster, and tilapia. *Jamaican Journal of Science and Technology*.

PUBLICATIONS

The reallocation of staff to the SLOWPOKE-II Core Conversion ultimately affected the publication rate; however, ICENS still maintain a strong presence at international conferences.

Refereed Journal Articles

- Onjefu A, Kgabi NA, Taole SH, Mtambo OPL, Grant CN, Antoine JMR. (2016), Occupancy Factor Model for Exposure to Natural Radionuclides along the Coastline of Erongo Region, Namibia. *Journal of Geoscience and Environment Protection*. DOI: 10.4236/gep.2016.45012
- Puig F, Dennis HT. (2016). Neutron fluence effects on SLOWPOKE-2 beryllium reflector composition and reactivity. *Nuclear Engineering and Design*, 305: 451–460.
- Antoine JMR, Hoo Fung LA, Grant CN (2015), Geographic Determination of the growing origins of Jamaican and international coffee using instrumental neutron activation analysis and other methods. *Journal of Radioanalytical and Nuclear Chemistry*, 309 (2): 525–534.
- Antoine, J.M.R., Hoo Fung, L.A., Grant, C.N. (2015), Dietary intake of trace and heavy metals from consumption of instant coffees on the Jamaican market. *Jamaican Journal of Science and Technology*
- Spence, A., Rose, D., Clarke, J. Enhancing sustainable agriculture and climate change mitigation and adaptation through the use of plant growth-promoting rhizobacteria. In review at *Sustainable Production and Consumption*.
- Spence A., Kelleher BP. Photo-degradation of major soil microbial biomolecules is comparable to biodegradation: insights from infrared an diffusion editing NMR spectroscopies. *Journal of Molecular*.

Book Chapter

- Adrian Spence. Chapter 7: Carbon Sequestration in Soils. *Energy Science and Technology* (Multi-Volume Set). Executive Editor of the Series: J.N. Govil. Studium Press LLC, U.S.A

INCOME GENERATION

During the period August 1, 2015 to July 31st, 2016, income generated from Radiological and analytical services, amounted to approximately Seven Million Jamaican Dollars (J\$7,000,000.00) and Sixty-two thousand USA Dollars (US\$62,000.00).

PUBLIC SERVICE

Mr Johann Antoine

- Chairman of the National Mirror Committee on ISO Standard TC 93, technical committee on starch (bi-products and derivatives)
- Member, Codex committee on Methods of Analysis and Sampling

Mr Charles Grant

- Member of National Bioethics Committee
- ARCAL National Coordinator (Jamaica) and member of the ARCAL Technical Coordination Board (OCTA which oversees all ARCAL Projects.
- Member, Ministry of Energy Committee on Nuclear Energy as an option for Jamaica
- Member, NEPA/UNDP Committee for renewable wave energy technologies for the generation of electric power in small coastal Communities in Jamaica
- National Coordinator for Incident Reporting system for Research Reactors
- National Coordinator, IAEA Radiation Safety Information Management System).

Ms Leslie Hoo Fung

- Chairperson, National Food Standards Committee (ISO TC34 Mirror Committee), Jamaica Bureau of Standards
- Member, Royal Society of Chemistry, London
- Member, Codex Committee on Methods of Analysis and Sampling.
- ISO/IEC 17025 Assessor, Jamaica National Agency for Accreditation.

Ms Sandra Hunter

- Fellow of Institute of Chartered Accountants of Jamaica

Mr. John Preston

- Member, Land Information Council of Jamaica;
- Independent Member, GOJ Telecommunications Appeals Tribunal.

Dr Adrian Spence

- Associate Member, Royal Society of Chemistry
- Member, American Chemical Society
- Member, American society of Mass Spectroscopy
- Member, United Way Jamaica
- Director, Archer Daniels Midland Jamaica Flour Mills Foundation

Ms Tracey-Ann Warner

- ISO/IEC 17025 Assessor, Jamaica National Agency for Accreditation.

SIR ARTHUR LEWIS INSTITUTE OF SOCIAL AND ECONOMIC STUDIES



Aldrie Henry-Lee, BSc, MSc, PhD
Acting Director

OVERVIEW

The former director, Professor Brian Meeks resigned and Dr Aldrie Henry-Lee, Senior Research Fellow was appointed as Acting Director for the academic year. Professor Patsy Lewis also proceeded on one year's leave. Dr. Patricia Northover, Senior Research Fellow also proceeded on sabbatical leave. To fill the gaps left by these vacancies, Professor Jessica Byron and Dr. Maziki Thame joined our staff for one academic year. Dr. Philip Osei resigned; his post was advertised and Dr. Thame successfully applied and was appointed to the post.

RESEARCH

Building on the clusters initiated by Professor Brian Meeks, six clusters remained active: Youth, Social Policy, Integration, Sugar, Political Economy

and Grenada clusters. On April 22, the SALISES Research Fellows agreed that the research agenda for the next three years would be “Caribbean Prospects for 2030 and the Global Sustainable Development Goals (SDGs).” SALISES won a bid for a World Bank for a project (US\$86,924.25) on Energy Access for the Urban Poor Program: Baseline Survey and Impact Evaluation in urban poor areas in Kingston, Jamaica. Members of the research team are Aldrie Henry-Lee, Arlene Bailey, Yhanore Johnson-Coke, Richard Leach and Anthony Clayton.

CONFERENCES

Four SALISES Research Fellows attended the annual SALISES conference at Cave Hill, Barbados, 30 March–1 April 2016. They are Aldrie Henry-Lee, Patricia Northover, Jessica Byron and Maziki Thame. The theme of the conference was "Revolution, Socio-Economic Change and Freedoms".

Terri-Ann Gilbert-Roberts chaired and organised the first SALISES Caribbean Youth Development Conference in September/October involving Ministers of Government, Heads of International and Regional Organisations, Regional and National Youth Leaders and Youth Workers (raised US\$54,000). The outcome Agenda for Action was endorsed by Ministers at the CARICOM Council on Human and Social Development (COHSOD) at their meeting in March, 2016.

The 10th Caribbean Child Research Conference was held on November 4-6, 2015 at the Jamaica Conference Centre. As part of the celebrations of its 10th anniversary, the conference committee launched a publication of the winning essays and research papers from the last 9 years of the student competitions. A policy document containing key findings from the conference paper was also presented to the then Prime Minister, Portia Simpson-Miller.

STUDENT MATTERS

The academic year 2014–2015 ended with nine (9) students being awarded the MSc degrees in Development Studies. We welcomed eleven new students to the Masters in Development Studies. They represented

the third cohort of students who registered in that graduate programme Returning MSc Cohort 2015/2016. A total of twenty (20) students were registered as returning MSc students; Governance and Public Policy (2), Social Development Policy (1) and Development Studies (17). A total of eleven (11) returning MPhil/PhD students were registered for the academic year 2015/2016; Governance and Public Policy (7), Economic Development (3) and Social Development Policy (1).

INCOME GENERATION

Net Income		
Tuition Fees:- MSc, MPhil, PhD Programmes (to date: includes previous years)	J\$11,553,875.94 (July, 2016)	
Data Bank	J\$ 63,340.00	
Publications	US\$	JA\$
SES Subs	2184.00	
SES Royalties	7,922.11	252,200.00
JAMCOPY Royalties	US\$	JA\$
Walk-in Sales (SES)	115	31,200.00
Walk-in Sales (special books)	40.00	48,180.00
Total	US\$10,261.11	JA\$331,580.00

PAPERS PRESENTED AT CONFERENCES/ GUEST LECTURES

- **Byron, Jessica** “A New Era of South-South Cooperation: Developmental Partnerships among CARICOM Countries, Cuba and Venezuela”, International Research Society for Public Management, Regional Conference 2015 hosted by the Department of Government UWI Mona and the Mona School of Business and Management, UWI Mona Jamaica, October 2–3 2015.

- **Byron, Jessica** "The OECS as a Model for Regional Integration: Scope and Limitations" FLACSO/PUCMM Regional Seminar, Santo Domingo, Dominican Republic, October 7–9 2015.
- **Byron, Jessica** "Martinique's Accession to the OECS: A New Chapter in Caribbean Regionalism?" SALISES 17th Annual Conference, Barbados, March 29–April 2 2016.
- **Byron, Jessica** "Martinique's Accession to the OECS: A New Chapter in Caribbean Regionalism?" Caribbean Studies Association Annual Conference, Petionville, Haiti, June 6–11 2016.
- **Figuroa, Mark** "Global Gender Transformation and the Commonwealth Caribbean Education Experience" recorded presentation to the 17th Annual SALISES Conference, UWI, Cave Hill, Barbados, 31st March 2016. 16 Slides/ pp. 4.
- **Figuroa, Mark** "Lessons from W. Arthur Lewis for Contemporary Economics" at a farewell seminar marking his 40 years of service to the Department of Economics UWI, Mona, 30 March. 50 slides.
- **Figuroa, Mark** "Arthur Lewis's Contribution to Development: Universal Principles and the Search for Particular Pathways" to seminar on Economic Development and Growth, 100 Years after Arthur Lewis's Birth, organized by the International Economic Association (IEA) and the Research Institute for Development, Growth and Economics (RIDGE), with the support of the Inter-American Development Bank (IDB) and the Spanish Agency for International Development Cooperation (AECID), Santa Cruz, Bolivia, 14 October 2015. 40 slides.
- **Figuroa, Mark** "W Arthur Lewis's Life and Work: Enduring Lessons for Global Transformation" presented at World Social Science Forum, Durban South Africa, 13–16 September 2015. 22 slides.
- **Gilbert-Roberts, Terri-Ann** "Explaining Youth Policy Participation in Latin America and the Caribbean through Social Audit Processes". Presentation to the XXXIV International Congress of the Latin American Studies Association – LASA at 50, New York, USA, May 27–30, 2016.

- **Gilbert-Roberts, Terri-Ann** “Youth Empowerment and the Caribbean’s Future: Research Priorities and Pathways to Action”. Plenary roundtable presentation to the SALISES Conference under the theme: “Population Issues and Dynamics in Trinidad and Tobago: Theory, Practice and Policy for the Post 2015 SDGs”, Port of Spain, Trinidad, January 9, 2016.
- **Gilbert-Roberts, Terri-Ann** “From Addressing Youth Employment and Work Challenges to Promoting Youth Economic Citizenship”. Paper presented at ECLAC International Seminar on Social Inclusion and Youth in Latin America and the Caribbean, San Salvador, 13–4 October, 2015.
- **Gilbert-Roberts, Terri-Ann** “The New Citizenship: Prospects for a Caribbean Youth Social Audit Movement”. Paper presented at the Caribbean Youth Development Conference under the theme: “Youth Post 2015: Directions for Sustainable Development in the Caribbean”, Kingston, Jamaica, September 30–October 2, 2015.
- **Gilbert-Roberts, Terri-Ann** “Sustainability in CARICOM Governance: The Role of the CYAP”. Paper presented at the Caribbean Youth Development Conference under the theme: “Youth Post 2015: Directions for Sustainable Development in the Caribbean”, Kingston, Jamaica, September 30–October 2, 2015.
- **Gilbert-Roberts, Terri-Ann** “Repositioning the Caribbean Community Youth Ambassadors’ Programme (CYAP). Presentation to the CARICOM Council on Human and Social Development (COHSOD) Ministers of Youth Meeting, Georgetown, Guyana, March 5, 2016.
- **Gilbert-Roberts, Terri-Ann** “CARICOM Action Plans: Building Youth Resilience Against Violence”. Presentation to the Government of Jamaica Inter-Ministry Security Committee (IMSC), Ministry of National Security, February 2, 2016.
- **Henry-Lee, Aldrie** “The Impact of Imprisonment on Women and their Children.” Member of panel on “Women in Jamaican Prisons: Local and Global Implications.” Organized by t Cornell University, March 24, 2016.

- **Henry-Lee, Aldrie** “Endangerment and Transformation of Childhood in Small Island Developing States (SIDS)”, SALISES 17th Annual Conference. Barbados, March 30–April 1, 2016.
- **Henry-Lee, Aldrie** “Child Participation in the Caribbean.” Paper presented at the 10th annual Caribbean Child Research Conference, Kingston, Jamaica, November 4–6, 2015.
- **Paul, Annie** Guest lecture. “Unsweet History’: Invoking Second Hand Memories of Slavery in Jamaica”, The States of the Memory of Slavery: International Comparative Perspectives conference, October 23 2015, École des Hautes Études en Sciences Sociales (EHESS), Paris, France.
- **Paul, Annie** “Writing In (and out of) the Caribbean: Those who Left and Those who Stayed”. Paper delivered at “Caribbean Global Movements”, 41st CSA Conference, Port-au-Prince, Haiti. June 8, 2016.
- **Paul, Annie** Invited Presentation. “Writing In (and out of) the Caribbean: Those who Left and Those who Stayed” (longer version, delivered by Skype). LES ENJEUX CIVILISATIONNELS DES ARTS ET LITTÉRATURES POSTCOLONIAUX DES CARAÏBES, L’Université d’Antilles, Martinique, June 23, 2016.
- **Thame, Maziki** “Democratizing a Nation: WPJ Women”, Caribbean Studies Association Conference, Haiti, June 6–11, 2016.
- **Thame, Maziki** “Democratizing a Nation: The Workers Party of Jamaica”, 17th Annual SALISES Conference, Barbados, April 26-29, 2016.
- **Thame, Maziki** “Racial Hierarchy in Creole Nationalism”, The Jamaican 1960s: A Symposium, Co-Sponsored by Small Axe and the University of Miami, University of Miami, October 29–30, 2015.
- **White, Thelma** “Challenges Facing School Libraries in Jamaica and Possible Impact on Students’ Achievement of Academic Excellence”. International Association of School Librarianship (IASL) Conference. July 2016

- **Witter, Michael** Guest lecture on Climate Change and Small States to SALI 6206, “Small States Development Challenges”, January 26, 2016.
- **Witter, Michael** Presentation to Champion College Teachers’ Retreat on “Challenges for Education in the Future”, August 31, 2015
- **Witter, Michael** Four lectures to Teachers on the Economics of Education in the Temple University-Church Teachers’ College graduate programme, January 15, 16, 2016
- **Witter, Michael** Lecture to visiting students from Temple University on the Political Economy of Jamaica, May 2016
- **Witter, Michael** Participant in Leadership Dialogue and Colloquium Forum on the Future: Jamaica 2030 and Beyond, Tuesday, October 20, 2015
- **Witter, Michael** Presentation to, Launch of the Green Economy Scoping Study of Jamaica “Green Economy: A Tool for Sustainable Development”, 22nd March 2016

PUBLICATIONS

Books/Edited volumes

- **Henry-Lee, Aldrie**, Editor, *Pathways to Action: Social Policy in the Caribbean?* Kingston, Jamaica: Ian Randle Publishers. Number of pages: 314 ed. 2016.
- **Clinton Hutton**, Jermaine McCalpin and Maziki Thame, eds., *Caribbean Reasonings: Rupert Lewis and the Black Intellectual Tradition*, Kingston: Ian Randle Publishers, 2016.

Refereed Journal Articles

- **White, Thelma** and Pauline Nicholas. 2015. Institutions of Higher Education and the Multiplicities of Literacy: Preparing the Young for the World of Work in the 21st Century. *Journal of Arts, Science and Technology*, Volume 8, 113–131.

Non-Refereed Articles

- Paul, Annie, “Jamaica – A Nation Strangled by Language”. In *Jamaican Pulse: Art and Politics from Jamaica and the Diaspora*. Bristol: Royal West of England Academy (RWA), Sansom & Co. 2016.
- Paul, Annie "The Book of James" (article on Booker Prize-winner Marlon James). *Caribbean Beat*. No. 135. Sept/Oct 2015. pp 44–49.
- Paul, Annie Weekly column in the *Daily Gleaner* started June 2016.

Refereed Book Chapters

- Henry-Lee, Aldrie, “Children in the Policy Process in Jamaica.” In *Pathways to Action: Social Policy in the Caribbean*, edited by Aldrie Henry-Lee, 199–241. Kingston, Jamaica: Ian Randle Publishers
- Paul, Annie “‘Ways of (not) seeing and strategies of (in)visibility’: Charles Campbell’s Fractal Engagement” in *En Mas’: Carnival and Performance Art of the Caribbean* edited by Claire Tancons and Krista Thompson, New Orleans: Independent Curators International (ICI) and the Contemporary Art Center New Orleans (CAC). pp. 130–139. 2016.
- Maziki Thame and Dhanaraj Thakur, “The National Policy on Gender Equality in Jamaica: (En)Gendering Equity in Neoliberal Times”, in *Negotiating Gender, Policy and Politics: Feminist Strategies, Masculinist Resistances and Transnational Possibilities in the Caribbean*, edited by Gabrielle Hosein and Jane Palpart, Rowland and Littlefield, 2016.
- Thame, Maziki “Woman Out of Place: Portia Simpson-Miller and Middle Class Politics in Jamaica”, in *Ploughing Our Own Fields: Black Political Women Demanding Citizenship, Challenging Power, and Seeking Justice*, edited by Nikol Alexander-Floyd and Julia Jordan-Zachary.
- Paul, Annie “ ‘Dancehall a mi everything’: Art and Music in 21st century Jamaica”. *Jamaican Routes*. Oslo, Norway: Punkt Gallery. pp 59-71.

Non-Refereed Book Chapter

- **Figueroa, Mark**, “Arthur Lewis and the Political Economic Dialogue.” In *Celebrating Excellence: The Arthur Lewis Memorial Lectures 1999–2014*, Nobel Laureate Week Committee. Saint Lucia: 123-47. 2015

Book Reviews/Guest Editor

- **Henry-Lee, Aldrie**, Article Editor/Reviewer for SAGE open Access Journals (November 2015)
- **Witter, Michael**, Review of “Roger Hosein and Martin Franklin, Informal Commercial Importers in CARICOM”: More answers, and more questions”, June 2016, submitted to Social and Economic Studies

Technical Reports

- **Witter, Michael** Contributed to the “Final Impact Assessment Report and National Adaptation Strategy and Action Plan Saint Lucia”, prepared by Environmental Solutions Ltd for the Caribbean Community Climate Change Centre, October 2015
- **Witter, Michael** “Development Effectiveness Strategy,” prepared for the PIOJ, October 2015
- **Witter, Michael** “Review of the PSIP, 2014/2015, prepared for the Ministry of Finance and Planning and the PIOJ, October 2015
- **Witter, Michael**, Ralston Hyman, “Decent Work Diagnostic – Jamaica,” Prepared for the International Labour Organization, November 30, 2015

AWARDS & SCHOLARSHIPS

- **Byron, Jessica**, UWI Mona Principal's Award for Most Outstanding Researcher, Faculty of Social Sciences, UWI Jamaica, January 2016
- **Gilbert-Roberts, Terri-Ann**, Commonwealth Academic Fellowship (to be taken up at University College London in October 2016)

- **Gilbert-Roberts, Terri-Ann**, Outstanding Youth Work Award for Research in Youth Development and Developing the Practice of Youth Work, Commonwealth Youth Programme, Commonwealth Secretariat and Jamaica Professional Youth Workers' Association, 2015

PUBLIC SERVICE

Gilbert-Roberts, Terri-Ann

- Appointment to Advisory Board to Caribbean Regional Youth Council
- Guest Lecture on "The Caribbean Integration Movement". CAPE Caribbean Studies Class at Jamaica College, Kingston, Jamaica, January 15, 2016

Henry-Lee, Aldrie

- Member of Review Board, *Caribbean Journal for Public Sector Management*
- Chair, Caribbean Child Research Conference

Leach, Richard

- Member of Steering Committee – Jamaica Survey of Living Conditions

Newman, Nadine

- Member, Library and Information Association of Jamaica (LIAJA)
- Member, Research and Publications Working Party, LIAJA
- Member, Socio-Economic Information Network (SECIN)
- Member, Association of Caribbean Higher Education Administrators (ACHEA)

Paul, Annie

- Co-programme Chair, @OnlineMind Digital Publishing Conference, JAMCOPY, November 2–5, 2015, Pegasus Hotel, Kingston, Jamaica.

- Contributor and peer reviewer for The University of the Witwatersrand (WITS), Johannesburg School of Arts' new online journal [...]. My first review can be found online at <http://www.ellipses.org.za/project/corner-loving/>.
- Board Member, National Gallery of Jamaica and Chair, Exhibitions Committee
- Board member, JAMCOPY

Thame, Maziki

- Volunteer, "Change Your Future" Training Programme, Women's Resource and Outreach Centre, (WROC), 47 Beechwood Avenue.
- Invited Panelist, Gender, Youth and Violence Prevention, Talk Up Yout and the Next GENDERation Initiative, Television Jamaica (TVJ), December 10, 2015.

Tindigarukayo, Jimmy

- Member of the Committee on Data Sharing and Pricing Policy, Public Sector Reform Unit, Cabinet Office, Government of Jamaica.
- Member of the National Housing Policy and Implementation Plan Technical Review Committee, Ministry of Transport, Works and Housing.
- Member, Advocacy, Library and Information Association of Jamaica (LIAJA)

THE BIOTECHNOLOGY CENTRE



Professor Helen Asemota, BSc, *Univ. of Benin, Nigeria*, MSc, *Ahmadu Bello University, Nigeria*, PhD, *Univ. of Benin/Frankfurt, Germany*
Director

INTRODUCTION

The Biotechnology Centre, keeping in line with its strategic plans, focused on research training, teaching, and activities geared towards producing the distinctive graduate, increasing visibility through interaction with local and global communities, bioskills training and product development research through orchestrated outreach activities and networking. The academic staff members are:

Prof. Helen Asemota (Research Group Leader for Bioengineering Yams/Tuber crops & Biomedical research for value chain expansion), Prof. Paula Tennant (Research Group Leader for Molecular Virology & Transgenic Papaya research), Dr. Marcia Roye (Research Group Leader for Geminiviruses), Dr. Sylvia Mitchell (Research Group Leader for Medicinal Plants & Tissue Culture). Dr. Mitchell was promoted to Senior Lecturer during the period under review. Prof. Nouredine

Benkeblia of Department of Life Sciences also initiated research on tree crops at the Centre during the period.

RESEARCH

The key areas of research in the period comprised the following:

- a. Agro-based studies: including medicinal plants, bioengineering of yams biomaterials for value chain expansions, moringa, forestry preservation, molecular virology, as well as study of begomoviruses and other viruses associated with tropical crops such as, citrus, potato, cucurbits and yam improvement research through studies of anthracnose diseases of yams.
- b. Biomedical research: on investigations of the glycemic indices of Jamaican foods (in collaboration with the Scientific Research Council) and analysis of mechanism of action of supplements or secondary metabolites in animal model of diseases such as, diabetes, hypercholesterolemia, sickle cell anaemia, prostate cancer, in collaboration with the Basic Medical Sciences Department and other departments such as Chemistry, Chemical Pathology, Surgery, Life Sciences and TMRU.
- c. Biomagnetic Therapy and associated metabolic effects in diabetes mellitus in collaboration with the Departments of Basic Medical Sciences, Physics and Chemical Pathology and physicist in North Carolina.

Postgraduate Students

A total of 19 postgraduate students studied in the year under review, for the PhD or MPhil in Biotechnology at the Centre. The students are Kimberly Foster, Chantal Marriott, Nicaïne Mayne, Princess Bell, Nikashae Scott, Lowen Williams, Chenielle Delahaye-McKenzie, Cheryl Green, Raxon Gordon-Simmonds, Soyanni Holness, Kimani Kitson-Watson, Adriel Ramkissoon, Deiondra Robinson, Racquel Wright, Rashaun Harris, Sharae Clark, Julian Bailey, Jordan

Freeman and Shivanjanli Dondapati. Nicaine Mayne applied for Leave of Absence for Semester II of the 2105–2016 academic year, and Soyanni Holness voluntarily withdrew. The Centre also caters for some students registered in other departments but conduct research at the Centre. These students include Aliza Lindo of the Department of Life Sciences, Keaton Logan, Melissa Williams, Sasha-Gay Williams and Kenroy Wallace of the Department of Basic Medical Sciences. The students are attached to various research groups of the Centre.

TEACHING AND TRAINING

In addition to the research training and supervision of post graduate research students, the academic members of the Centre (Prof. Asemota, Dr. Roye, Prof. Tennant, and Dr. Mitchell) were during this period, involved in teaching at both undergraduate and postgraduate levels.

Undergraduate courses: Courses taught were within the Department of Basic Medical Sciences (BMS) of the Faculty of Medical Sciences (FMS) and the Department of Life Sciences of the Faculty of Science and Technology (FST). The courses included: Biotechnology I, Biotechnology II, Molecular Biology I, Molecular Biology II, Introduction to Microbiology and Molecular Biology, Food Microbiology and Biotechnology, Plant Biotechnology, Science Medicine and Technology, Biochemistry for Physical Therapy Students, Biochemistry Laboratory Research Project, and Plant Biochemistry & Physiology, along with their associated lab classes. In the Department of Life Sciences, members of staff taught in Molecular Biology & Genetics, Principles of Plant Biotechnology, Virology, and Plant Biotechnology.

Postgraduate courses: Members of Biotechnology Centre's staff also taught in the following postgraduate course: "Standards and Risk Management in Agricultural Production Systems", one of the courses in the MSc in Agricultural Entrepreneurship Programme in the Faculty of Science and Technology. The Centre also has an approved taught Masters programme, MSc. in Biotechnology, which is starting in the next academic year.

OTHER MAJOR ACTIVITIES

Bioservices and Bioskills Training/Workshops

Funds were received for three main bioservices and bioskills training:

- (Dr. Sylvia Mitchell rendered bioservices to the Government of Jamaica and under an MOU between UWI and the Bureau of Standards, received a grant for a Bamboo Project in the sum of Forty three thousand dollars (43,000 USD), out of which eight thousand dollars (8000 USD) will come to the Biotechnology Centre for the production of tissue-cultured bamboo and the rest of the funds under the MOU for farmer training and field testing of these plantlets.
- Prof. Helen Asemota (Project PI) working with Dr. Melaine Randle and Shivanjali Dondapati, received a special grant of Twenty Six Thousand Dollars (26,000 USD) in February 2016, from the United Nations University Biotechnology Programme for Latin America and the Caribbean (UNU-BIOLAC), to organize and stage the 2016 International Biotechnology Symposium and Training Workshop in Agro Biotechnology for Latin America and Caribbean region at Mona campus, on DNA Fingerprinting of Plants. The activities were scheduled to take place from August 8–12, 2016 (the beginning of the new academic year). For the organization of the symposium/workshop, the Centre was aided by the FST (Prof. P. Reese) Dean’s Office staff (Mrs. Miriam Lindo and her group), the FMS (Prof. H. Fletcher) Dean’s Office and the UWI (Pro. Dale Webber) Pro Vice-Chancellor’s Office of Graduate Studies and Research, as well as various Stakeholders (such as the SRC, MSET, IICA, CARDI, PIOJ, NCST, JIPO, NCU, CMI, Cocoa Research Board, Trinidad, etc.). The detailed report of this training will appear in next academic year’s annual report.
- Dr. Roye organized another Non-Degree Short Term Training Programme labelled “Genetic Engineering for Science Teachers and Students Workshop.” This was the 13th Annual workshop on

The Biotechnology Centre

“Laboratory Concepts in Genetic Engineering” for Cape and A Level Biology High School students, as well as Science Teachers from Tertiary Level Institutions in Jamaica, was held December 18–19, 2015. With the assistance of Laboratory Technicians from the Basic Medical Sciences Department and the Centre’s postgraduates, participants were trained to extract plasmid DNA, digest the plasmid DNA with restriction enzyme, and run gel electrophoresis. Two workshops were convened at the Faculty of Medical Sciences Complex for Research and Teaching. On the first day, Thursday the 18th of December, the Centre had eighty participants from Knox Community College, Shortwood Teachers’ College and St. Andrew High School, while on the 19th students came from Mannings High School, St. George’s College and St. Jago High School. Overall there were more than one hundred and sixty (160) participants for both days.

- The Centre started the academic year under review with the training of a foreign intern, in the person of Ms. Suvi Rantamo, from the Department of Biosciences, University of Helsinki, Finland. This internship earned the Centre one thousand US dollars (USD1000.00) in the period ending August 21, 2015.

FOREIGN VISITS BY BIOTECHNOLOGY CENTRE STAFF/STUDENTS

The following members of staff engaged in various overseas trips during the period:

- Prof. Asemota attended the National Science Foundation (NSF) PI meeting in Washington D.C. in December 2015 to discuss BREAD PHENO Research in which SUNY will collaborate with the UWI.
- Dr. Sylvia Mitchell attended ISO/TC296 Bamboo and Rattan Technical Committee (TC) April 26–28, 2016, Beijing, China. Dr. Mitchell was asked to represent Jamaica at this meeting. This was the first plenary meeting of this TC of ISO (International Organization for Standardization). Work was done on three standards; terminology, charcoal and flooring, which eventually will become international standards.

- Mr. Jordan Freeman ('Sweelevia's Nature's Tea' team) participated at the International Business Model Competition on April 29–30, 2016 at the Microsoft Campus, Redmond, Washington and came top 10 in the competition.
- The Director of the Biotechnology Centre and Yam Biotechnology Research group Leader, Prof. Asemota, visited Mexico as part of the Jamaica Delegation to the 8th Jamaica-Mexico Bilateral Commission in May 2016. She gave a presentation at the Commission.
- Dr Marcia Roye visited Cuba, September 14–18 2015, as part of a Caricom Science Technology and Innovation Committee delegation. The purpose of the visit was to meet with strategic organizations and government ministries to discuss the development of a Memorandum of Understanding (MOU) to initiate collaborations and learn from scientists and technologists in Cuba.
- Miss Chantal Marriott visited the University of Arizona Tucson for 6 weeks My-June 2016. She was hosted by Dr Judith Brown of School of Plant Sciences where she was using next generation sequencing to characterize begomoviruses associated with crops, weeds and ornamentals from Jamaica.
- Ms. Sasha Gay Wright and Mr. Kenroy Wallace are currently visiting Southern University of Baton Rouge, USA to carry out research which forms part of their PG programme.

VISITORS TO THE BIOTECHNOLOGY CENTRE

The Centre received several visitors in the period, among whom are the following Scholars:

- (Dr. John Williams a Gates Millennium Scholars Alumnus and Assistant Professor of Biology from the Department of Natural and Forensic Sciences at Albany State University (ASU) — Georgia, USA visited the Centre between March 23 – 26, 2016. A draft Memorandum of Understanding (MOU) for a programme of collaboration has been sent from ASU and submitted for review.
- The Dean of the School of Science and Agriculture (SUSSA-BR),

Southern University of Baton Rouge (SUBR), Dr. Laurence Henry, through arrangements by the Centre, met with Prof. Asemota, the Dean of FST, Prof. Paul Reese, and some research students on March 23, 2016, at the FST Dean's Office, to pursue a collaborative programme with The University of the West Indies, Mona. A Memorandum of Understanding (MOU), resulting from the discussions, was signed between UWI Mona and SUBR. Two UWI Research students are presently visiting SUBR to cover aspects of their postgraduate training.

- Dr. Wesley Gray of Southern University of Baton Rouge visited the Centre in February 2016. He gave a seminar and advanced discussions around collaboration between our two Universities. This led to the subsequent visit by his Dean and the MOU signed as discussed in (ii) above. The two students (1 PhD, 1 MPhil) are currently studying in Dr. Gray's lab at the Southern University of Baton Rouge (SUBR) in New Orleans.
- Prof. Jacqueline Hibbert from Morehouse School of Medicine in Atlanta, GA, USA visited Centre in January 2016. Prof Hibbert has hosted Biotech Centre student Raquel Wright, PhD student of Prof. Asemota, at her lab in Atlanta several times and for the NIH research fellowship she obtained.
- Dr. Asem Sappal, Provost, Oaksterdam University, Oakland, California, USA, visited the Centre from November 16–18, 2015 and gave a seminar on Cannabis research and Education. The Seminar which took place at the FMS Lecture Theatre II was well attended. Dr. Sappal has since followed up with various collaboration requests.
- Dr. Palmira Guevara from the University of Venezuela, Consultant for United Nations University Biotechnology Programme for Latin America and the Caribbean (UNUBIOLAC), visited the Centre from November 23–27, 2015 in connection with the international symposium/workshop being planned for the Latin American & Caribbean Region under the United Nations Biotechnology Programme. During the visit, Prof. Guevara was asked to work with Dr. Melaine

Randle (former Senior Lab Technologist of the Centre) and Mrs. Shivanjanli Dondapati (Research Assistant to the Director). The proposal for DNA Fingerprinting of Plants Symposium & Workshop, earlier submitted by Dr. Melaine Randle and Prof Asemota for UNUBIOLAC funding, was upgraded with the help of Prof. Palmira working with the team, Asemota\Randle\Dondapati, and the lab sessions focused on

- Prof. Vincent Wright, Dean, College of Natural and Applied Sciences, Northern Caribbean University (NCU) & Dr. Patience Alonge, Associate Professor, College of Natural and Applied Sciences, NCU—former associate student of the Centre, visited the Centre on November 16, 2015 and on December 15, 2015 in connection with joint yam research and cancer research.
- Mrs. Winsome Minott, CEO, MINT Management/KATALYXT (a community based finance services corporation), visited the Centre on November 6, 2015 for meetings with Prof. Asemota, Biotechnology Centre staff members and some research students regarding a joint seminar on taking the ‘lab to the streets’ to enhance agricultural biotechnology dimensions.
- Dr. Cliff Riley, Director of the Scientific Research Council, Jamaica visited the Centre to have discussions about upcoming collaboration for the academic year 2016–2017.
- Prof. Dale Webber, the Pro-Vice-Chancellor, Graduate Studies & Research, UWI & Professor Denise Eldemire-Shearer, Campus Coordinator, School of Graduate Studies and Research, UWI Mona, visited the Centre to discuss and lend support to the “United Nations University Biotechnology Programme for Caribbean & Latin America (UNUBIOLAC) Training Workshop” for which the Centre had received a grant to organize.

COLLABORATIONS AND MOUS

- The Centre collaborates internally with various Departments in the FMS and FST for Research and Teaching, particularly the Departments of Basic Medical Sciences (BMS), Psychiatry and Community Health,

Chemistry, Life Sciences, and Physics. The Centre remains grateful to the host of Experts/Professors/Lecturers in the FMS and FST, neighbouring Universities/research institutions as well as foreign institutions who support in team supervision of our postgraduate students.

- In the year under review, the Centre secured 2 MOUs and 1 MOU Draft under review – one MOU with the Bureau of Standards for the Bamboo project, one MOU with Southern University of Baton Rouge and a draft MOU from Albany State University under review.
- Our current list of international and local collaborators include: Morehouse School of Medicine, USA; School of Pharmacy, Roosevelt University, USA; SUNY Binghamton, USA; University of Toronto, Mississauga, Canada; University of Arizona, Tucson; Albany State University, USA; University of Salento, Italy; Cordoba University, Colombia; Southern University of Baton Rouge, New Orleans; Redeemers University, Nigeria; Trees that Feed Foundation, Illinois, USA; University of California, Davis (UC-Davis); The Bamboo Project, Government of Jamaica; Bureau of Standards, Jamaica; JAMPRO; PIOJ, IICA, The National Environment and Planning Agency (NEPA); OAS; The 4H Club, Jamaica; Agro-Systems Consultants, Jamaica; Grace Kennedy Limited; National Committee on Science and Technology (NCST); Northern Caribbean University (NCU); STEA; Scientific Research Council (SRC); Ministry of Science, Energy & Technology (MSET); CMI; The Ministry of Agriculture, Commerce and Fisheries (MICAF); University of Venezuela; University of Los Andes; CARDI.

SPECIAL PROJECTS

Development and Field Testing of Paper-Based Biosensors to Increase Productivity of Small Holder Agricultural in Developing Countries

This is an NSF sponsored project in collaboration with The State University of New York (SUNY) at Binghamton. Local collaborators in the project are Northern Caribbean University (NCU) and The Southern Trelawny Environmental Agency (STEA). This project seeks to revolutionize

yam production in Jamaica through the development and field testing of low-cost genotyping and phenotyping biosensors and molecular genetic tools, UWI will work with small holder yam farmers in Jamaica with the help of NCU in Manchester and STEA Trelawny. The project will facilitate biosensor nano-technology transfer.

Bioengineering Of Yams & Other Selected Caribbean Roots and Tuber Crops Biomaterials for Value-Chain Expansion & Precommercialization Analyses

This Jamaica–Mexico Bilateral Commission Project involves collaboration with Mexican Scientists. The project focuses on bioengineering biomaterials from selected crops for value-chain expansion & pre-commercialization analyses. This proposed project is intended to boost agro industry via expansion of value chain of selected Caribbean crops- especially Yams, Sweet potato, Dasheens, Cocoyam as well as plants such as Moringa, Sugarcane and some herbs. For this project Prof. Helen Asemota is working in collaboration with Prof. Benkeblia, Dr. Riley of the SRC and Prof. Yahlia of Guerera University, Dr. Fernando of CIAD and other collaborators in Mexico.

UWI-UNU-BIOLAC International Biotechnology Symposium/Training Workshop On 'DNA Fingerprinting Of Plants: Approaches, Applications and Relevance to the Agricultural Sector in the Caribbean And Latin America'

This Project concerns the staging and hosting of international biotechnology training workshop by the UWI Mona Biotechnology Centre, FST, for the United Nations University Biotechnology Programme. The first is the 2016 International Biotechnology Symposium and Training Workshop in Agro-biotechnology for the Caribbean and Latin American Region, here at Mona Campus. The event was scheduled for August 8 to 12, 2016 at the Faculty of Medical Sciences Teaching and Research Complex (FMSTRC), UWI, Mona Campus. The training is geared towards the improvement of crop productivity with emphasis on DNA profiles for cultivar identification and transgenic plants tracing as part of the biotechnological methods needed to enhance productive efficiency in the agro sector in the Caribbean and Latin American region, in order to

provide participants with requisite hands-on practical training useful in Agricultural biotechnology.

Bamboo Research Project

The Bamboo Research Project is a sub-sector of the OAS Pre-processing Peckham bamboo project and is being managed by the Bamboo Research Management Committee, convened at the Bureau of Standards. Several meetings were held during the month. Two plots of land in Clarendon – one at Clapham (mined-out bauxite lands) and Peckham have been identified. Training of local residents took place between May and July 2016. A pest risk analysis is being carried out prior to importing two varieties of Bamboo, *Dendrocalamus asper* and *D. latiflorus*, which in addition to *Bambusa vulgaris* will be initiated into tissue culture, conserved and multiplied at the Centre.

BIOTECHNOLOGY CENTRE SEMINAR SERIES

The Centre conducted a series of seminars during the reporting period:

- Dr. John Williams from Albany State University-Georgia, USA gave a seminar presentation entitled, “Invertebrate Models for Thyroid Disrupting Agents” on March 24, 2016.
- Dr. Wesley G. Gray from Southern University in Baton Rouge-Louisiana, USA gave a seminar presentation entitled, “Bioactivity of *Cola acuminata* (Bissy) in Prostate Cancer Cells” on February 8, 2016.
- Dr. Cheryl Stewart from the University of Pretoria, South Africa gave a seminar presentation entitled, “Genomics Driven Healthcare – the Cystic Fibrosis Example” on January 12, 2016.
- Mrs. Winsone Minott gave a marketplace and products display seminar on November 24, 2015 at the Biotech Centre-Katalyxt Event which was held at the E. Nigel Harris Conference Room, UWI Headquarters, and Mona Campus. She presented on the topic, Dimensions – Jamaica’s Agricultural Biotechnology Marketplace (JABM).”

- Professor Helen Asemota gave a presentation on “Dimensions to Agro-biotechnology Marketplace” at the Biotech Centre-Katalyxt Event of November 24, 2015 which was held at the E. Nigel Harris Conference Room, UWI Headquarters, Mona Campus.
- Dr. Aseem Sappal from Oaksterdam University gave a seminar presentation entitled, “Cannabis Industry: Research, Medicine, Education & Business” on November 18, 2015.
- Prof. Asemota gave a seminar presentation on "Pain Bio-markers and possible roles for Cannabis biomaterials“. Embracing NIH Call PA-15-188 – Cannabis & Pain: Concepts Development. Presented at FMS SODECO Seminars, SODECO Office, West Road, UWI Mona. Friday March 11, 2016.

MPhil TO PHD UPGRADE SEMINARS

- Sasha Gay Wright, a post-graduate student of Prof. Asemota, gave her upgrade seminar on “In vitro analysis of Yellow yam and beetroot extracts for anti-cancer activity using prostate cancer cell lines” on May 19, 2016 at the FMSTRX Complex.
- Prof. Asemota’s student Melisa Williams gave her MPhil to PhD Upgrade Seminar on “The Effects of Biomagnetic Therapy in Type 2 Diabetic Rats” on April 22, 2016.

PRODUCTS DISPLAY

The students and staff of the Centre display many products during the period:

- Dr. Melaine Randle, Senior Laboratory Technologist, Biotechnology research students and Chanielle Delahaye-McKenzie – Dr. Mitchell’s Ph.D. student, displayed products they developed on behalf of the Centre at the Biotech Centre-Katalyxt Event.
- The Mona Symposium: Natural Products and Medicinal Chemistry – January 4–7, 2016: The Biotechnology Centre’s students displayed products like candles, soaps, bio based products & food products made from yam and Moringa at Public Forum entitled "Natural

The Biotechnology Centre

Products for National Development" which was open to the public on the evening of January 5th from 5:30-7:00 pm. Promising public attention was garnered for the products. The Centre presented three posters in the Poster session (see details under publications).

- Dr. Sylvia Mitchell attended the Shortwood Teacher's College inaugural Health and Garden Fair on November 19, 2015, she opened the garden by planting-out Tissue Cultured pineapples that were donated by the Centre. Dr. Mitchell also displayed Tissue Culture Plantlets and gave a presentation on how they were produced.
- The Centre took part in the Scientific Research Council (SRC) Open Day workshop activities on Tuesday November 12, 2015 at their Hope Gardens offices at 10 a.m. Dr. Sylvia Mitchell's group also displayed some products and Tissue Culture plantlets as well as Prof. Asemota's group on moringa, yam by products and PhytoBio-Foods.

BIOTECHNOLOGY CENTRE NEWSLETTERS

The Biotechnology Centre produced three Newsletter Series (#03, #04 and #05) which were circulated during the period under review, via Mona Messaging. The Centre's Newsletter Series features the research activities of staff/students, incubatees and interns, outreach activities, collaboration with local and international partners as well as special initiatives of the Centre.

THE BIOTECHNOLOGY CENTRE/ KATALYXT JOINT SEMINAR SERIES, NOVEMBER 24, 2015

The Biotechnology Centre and Mint/Katalyxt jointly organized a public seminar event, geared towards promoting "Dimensions to the Agricultural Biotechnology Marketplace". The event with a theme focusing on 'moving the lab to the streets' was staged at the Nigel Harris Conference Room at the UWI Headquarters on Tuesday November 24, 2015. Delegates from various community based organizations and tertiary level research institutions, as well as Biotechnology research students were present.

Katalyxt is a community-based private sector initiative committed to forming partnerships to strengthen the capacity of Small and Medium Enterprises (SMEs) in Jamaica. Their interaction with the Centre was aimed at further stimulating interest and promoting biotechnology entrepreneurship in the Centre's research outlook. The students who participated had the opportunity to meet with some successful entrepreneurs in the nation who freely shared their experiences with the students.

BIOTECHNOLOGY CENTRE 'SCIENCE FAIR' NOVEMBER 27, 2015

The Biotechnology Centre, in collaboration with the Scientific Research Council (SRC), held a "Science Fair" on November 27, 2015 in the Centre's parking lot. The fair was opened by the Director of the Centre, Professor Helen Asemota. There were products displays and demonstrations of soap making, DNA isolation and formulated products. A lot of students from High and Primary Schools were exposed to a number of demonstrations; and by-products developed by the Centre's staff and research students. The visiting students were also given guided tours of the Centre's laboratories. The idea was partly aimed at "Getting them young for Biotechnology" as emphasized by Professor Asemota in her opening speech.

PARTICIPATION IN THE 2015 UWI-VINCENT HOSANG VENTURE COMPETITION & THE NATIONAL MODEL COMPETITION

The Biotechnology Centre continues to encourage biotechnology research students to be interested in bio-entrepreneurship ventures, and apply the technological advancements they are learning in developing value added products, which can enter the local and international market place. To promote developments towards the biotechnology marketplace at the Centre, the students were encouraged to participate in the November 2015 Vincent HoSang UWI Venture Competition organized by the Mona School of Business and Management (MSBM) in collaboration with Mr. Vincent HoSang. The following Biotechnology Centre students represented by six competition groups participated in the 2015 Venture Competition, in November 2015 at the UWI Campus.

Group Name	Student Members
1. Di-Yamo's	Shivanjali Dondapati & Princess Bell
2. PhytoBio-Foods	Nikolai Lutas & Carlton Barrows
3. Yammie Treats	Kevin Donaldson & Chad Morgan
4. Glace Café	Jordan Freeman
5. Truerevel	Nikashae Scott
6. Herbal Jamaica	Marlon Thomas & Rashaun Harrison

Mr Jordon Freeman, Mr Carlton Barrows and Mr Nikolai Lutas, students of the Biotechnology Centre were awarded first and second places, respectively, at the event. (<http://jamaica-gleaner.com/article/news/20151130/young-entrepreneurs-get-big-boost>).

These two teams entered for the National model competition in 2016 and won 2nd and 3rd places in the Nation. Jordan Freeman's Team represented UWI at the International competition in USA and came in the top ten.

UWI MONA RESEARCH DAYS, FEBRUARY 2016

During Research Days 2016 the Biotechnology Centre:

- Displayed a total of 5 posters from the various research groups of the Centre.
- Displayed finished products at the Centre's tables/booths in The Science Experience Park, FST Spine and Main Exhibition Tent. Sweet Potato Pudding made from tissue culture sweet potatoes, Moringa Bites and Moringa Bars were some of the products on display.
- Presentations – Forty six students and teachers from various schools, Knox Community College, Quality Academics and Jonathon Grant High School toured the Centre where they viewed displays,
- Demonstrations of lab activities – Simple DNA extractions, tissue culture and other work.

Some of the Centre's Yam nutraceutical products and byproducts were also displayed. The theme of the 2016 Research Days was "Come Explore Tomorrow Solutions Today".

OUTREACH TO PRIMARY SCHOOLS

Mona Preparatory School Inventors Club

The Biotechnology Centre Assisted the Inventor's Club of Mona Preparatory in developing a project for entry in the Scientific Research Council's Science Fair. The project "Plantbased homemade organic fertilizers and their effect on plant growth" led to Mona Preparatory placing second in their category. (ii). Mona Preparatory Kindergarten 2

Both Kindergarten 2 classes of Mona Preparatory School visited the Biotechnology Centre's Medicinal Plant Garden and the Department of Life Science's Botany Garden on March 23, 2016 in a visit jointly hosted by the Centre and Life Science. Dr. Sylvia Mitchell presented on behalf of the Centre and Mr. Patrick Lewis on behalf of Life Sciences.

CONFERENCES AND WORKSHOPS ATTENDED BY STAFF AND STUDENTS

- ISO/TC296 Bamboo and Rattan Technical Committee (TC) April 26-28th, Beijing, China. Dr. Mitchell represented Jamaica at this meeting. This was the first plenary meeting of this TC of ISO (International Organization for Standardization). Work was done on three standards; terminology, charcoal and flooring, which eventually will become international standards.
- Patent Examination Workshop (Chemistry and Biology), JIPO. Dr. Mitchell also received Certificate of Participation at the Patent Examination Workshop (Chemistry and Biology), JIPO, July 4-8th and 25-29th, 2016.
- The University Diabetes Outreach Programme (UDOP) 22nd Annual International Conference – "Diabetes and the Nervous System...Is there a role for Cannabis compounds?"

The Biotechnology Centre

- The Director of the Centre, Prof. Helen Asemota and Research Assistant, Mrs. Shivanjali Dondapati, represented the Centre at this Conference which was held on April 28–30, 2016 at the Hyatt Ziva Resort, Rose Hall, Jamaica. There were two presentations from Yam Biotechnology Research group members, Ryan Francis and Melisa Williams, who are both Postgraduate students of Prof. Asemota, at the Conference. Ryan Francis, PhD. Candidate, presented on “Glycemic Index as a tool in developing functional foods: impact on Research Scientist hyperglycemia and satiety”. Ms. Melisa Williams, MPhil. Student supervised by Prof. Asemota, presented a poster on “The Effects of Biomagnetic Therapy in Type 2 Diabetic Rats”
- Training Workshop on Pitching. Mrs. Shivanjali Dondapati, Research Assistant & Mr. Carlton Barrows, Incubatee at the Centre attended a training workshop on “Pitching” which was held on April 19th, 2016 at the Jamaican Manufacturers Association (JMA), Jamaica as part of their preparation for collaborating with Katalyxt/Mint on an initiative “Bringing innovative agricultural information solutions to the process of exchange of agricultural goods.
- Faculty of Medical Sciences 2016 Conference. Two of Prof. Asemota’s students presented on the use of natural product by prostate cancer subjects (Sasha-Gay Wright), and Biomagnetic therapy in diabetic mellitus (Melissa Williams)
- The 8th Jamaica-Mexico Bilateral Commission Preparatory meetings. Prof. Asemota and Shivanjanli Dondapati attended the preparatory meetings for the Technical Cooperation at the Ministry of Foreign Affairs & Foreign Trade, Jamaica in May 2016.

STAFF /STUDENT ACHIEVEMENTS & AWARDS

- The Biotechnology Centre offers congratulations to Jordon Freeman for making the Dean’s List-Honour Roll for the academic year and Dr. Sylvia Mitchell for Best Research Publication in collaboration with the Natural Products’ Institute for the publication TRAMIL, Ethnomedical Survey in Jamaica.

- The Centre also congratulates Dr. Sylvia Mitchell for her promotion to Senior Lecturer, which was backdated to August 2014.
- Third Annual National Business Model Competition (NBMC) – 2016 National Business Model Competition: Jordon Freeman, MPhil. Biotechnology student and Research Assistant in the Pre-commercialisation of Yam Products Project of the Centre, and Carlton Barrows (Incubatee of the Centre) along with Nikolai Lutas (BSc. Biotechnology researching at the Centre) all supervised by Prof. Helen Asemota's team in collaboration with the Mona School of Business were finalists in the National Business Model Competition-2016 held March 31-April 1, 2016. They received the second and third place awards, respectively.

PUBLICATIONS

In the period 2015-2016, the Centre achieved eight (8) International Refereed Journal Publications, one (1) book, five (5) book chapters, seventeen (17) Conference Abstracts/Presentations, and two Newsmedia articles as listed below:

Refereed Journals Publications

- Dewayne Stennett, Andrew Wheatley, Lowell Dilworth, **Helen Asemota**. (2016). Optimal dosage determination of a hypocholesterolemic bitter yam proprietary preparation in diet-induced hypercholesterolemic mice. *Journal of Basic and Applied Research* 2(3): 281-290.
- **Sylvia Mitchell** (2016) A profile of a Caribbean Ethnobotanist, *Plants and Heritage, Society for Economic Botany*, Issue 6, Page 4.
- Lowell L. Dilworth, Felix O. Omoruyi, **Helen N. Asemota**. (2015). Effects of IP6 and Sweet Potato (*Ipomoea batatas*) Phytate on Serum, Liver and Faecal Lipids in Rats. *International Journal of Food Science and Nutrition Engineering* 5(1): 53–58.
- Perceval S. Bahado-Singh, Cliff K. Riley, Andrew O. Wheatley, Michael S. Boyne, Errol Y. Morrison and **Helen N. Asemota**. (2015). High fiber Caribbean diets with low-intermediate GI improve

- glycemic control cardiovascular and inflammatory indicators in overweight persons with type 2 diabetes: a randomized control study. *Current Research in Nutrition and Food Science*. <http://www.foodandnutritionjournal.org/volume3number1/>. Available online at <http://www.foodandnutritionjournal.org/coming-issue/>
- Marsha-Lyn McKoy, Kevin Grant, **Helen Asemota**, Oswald Simon & Felix Omoruyi. (2015). Renal and Hepatic Function in Hypercholesterolemic Rats Fed Jamaican Bitter Yam (*Dioscorea polygonoides*). *Journal of Dietary Supplements* 12 (2): 173-183
 - Picking D., R. Delgoda, N. Younger, L. Germosén-Robineau, I. Boulogne. **S.A. Mitchell** (2015). TRAMIL ethnomedicinal Survey of Jamaica. *Journal of Ethnopharmacology*. 169: 314-327.
 - Ramkissoon, A.P., Amarakoon, I.I., Hamilton, C., Pierre,R.B., Eyzaguirre, L.M., Carr, J.K., Blattner, W.A., and **Roye, M.E.** (2015). Analysis of Reverse Transcriptase and Protease Genes of HIV for Antiretroviral Drug Resistance in Treatment-Exposed Jamaican Pediatrics. *Aids Research and Human Retroviruses*. Volume 31, Number 00, 2015 .
 - Bahado-singh P.S, Riley C.K, Wheatly A.O, Boyne M.S, Morrison E.Y, Asemota H.N. (2015). High Fiber Caribbean Diets with Low-Intermediate GI Improve Glycemic Control, Cardiovascular and Inflammatory Indicators in Overweight Persons with Type 2 Diabetes: A Randomized Control Study. *Curr Res Nutr Food Sci*. 3(1)

Books

- **Tennant, Paula**, and Gustavo Fermin. 2015. *Virus Diseases of Tropical and Subtropical Crops*. CABI Wallingford, UK. 264 pages (iii). Book Chapters:
- Fermin, Gustavo, Jeanmarie Verchot, Abdolbaset Azizi and **Paula Tennant**. 2015. Viruses Affecting Tropical and Subtropical Crops: Biology, Diversity, Management in *Virus Diseases of Tropical and Subtropical Crops*. Paula Tennant and Gustavo Fermin, editors. CABI Wallingford, UK. 264 pages

- Fermin, Gustavo and Paula Tennant. 2015. Viruses Affecting Tropical and Subtropical Crops: Future Perspectives in *Virus Diseases of Tropical and Subtropical Crops*. **Paula Tennant** and Gustavo Fermin, editors. CABI Wallingford, UK. 264 pages
- Latanya C. Fisher, **Paula Tennant** and **Vicente J Febres**. 2015. Tristeza in *Virus Diseases of Tropical and Subtropical Crops*. Paula Tennant and Gustavo Fermin, editors. CABI Wallingford, UK. 264 pages
- Fermin, Gustavo, **Melaine Randle** and **Paula Tennant**. 2015. Papaya Ringspot in *Virus Diseases of Tropical and Subtropical Crops*. Paula Tennant and Gustavo Fermin, editors. CABI Wallingford, UK. 264 pages
- **Cindy-Leigh Hamilton**, Sudeshna Mazumdar-Leighton, Icolyn Amarakoon and **Marcia Roye**. 2015. Tomato Yellow Leaf Curl in *Virus Diseases of Tropical and Subtropical Crops*. **Paula Tennant** and Gustavo Fermin, editors. CABI Wallingford, UK. 264 pages (iv).

Presentations at Conferences/Meetings

- **Wright, R.**, Lee, K., Hyacinth, H., Hibbert, J., Reid, M., Wheatley, A and **Asemota, H.** Potential for use of Moringa oleifera extracts in Oxidative Stress Conditions. The Mona Symposium: Natural Products and Medicinal Chemistry. Mona, Kingston, January 4 -7, 2016. Poster.
- **Francis, R.**, Bahado-Singh, P., Smith, A-M., Wheatley, A and **Asemota, H.** Glycemic Index of Fruits Commonly Consumed in Jamaica. The Mona Symposium: Natural Products and Medicinal Chemistry. Mona, Kingston, January 4 -7, 2016. Poster.
- **Wright, S-G.**, **Asemota, H.** and Aiken, W. The Prevalence of Use of Natural Products among Prostate Cancer Patients in Jamaica: A Cross-Sectional Study. The Mona Symposium: Natural Products and Medicinal Chemistry. Mona, Kingston, January 4 -7, 2016. Poster.
- **Sadik.O.**, **Asemota, H.** Development and Field Testing of Paper-

based biosensors to increase productivity of small holder agriculture in developing countries. The UWI, Mona Research Days 2016. Poster.

- Francis, R., **Asemota, H.** Glycemic Index as a tool in developing functional foods: Impact on Research Scientist hyperglycemia and satiety. The 22nd Annual International Conference on “Diabetes and the Nervous System...Is there a role for Cannabis compounds?” Hyatt Ziva Resort, Rose Hall, Jamaica, April 28–30, 2016. Oral presentation
- **Williams, M., Asemota, H.** The Effects of Biomagnetic Therapy in Type 2 Diabetic Rats. The 22nd Annual International Conference on “Diabetes and the Nervous System...Is there a role for Cannabis compounds?” Hyatt Ziva Resort, Rose Hall, Jamaica, April 28–30, 2016. Poster
- **Benkeblia N, Boyd F.** 2016. “Common Pre- and Post-Harvest Diseases of Vegetable Crops in Jamaica”. International Conference on Integrated Disease Management in Tropical Vegetables, The University of the West Indies, St. Augustine, Port of Spain, Trinidad and Tobago, June 16–17, 2016. Oral.
- **Benkeblia N, Boyd, F.** 2016. “Pre-harvest Factors affecting Post-harvest Diseases of Vegetable Crops in Jamaica”. International Conference on Integrated Disease Management in Tropical Vegetables, The University of the West Indies, St. Augustine, Port of Spain, Trinidad and Tobago, June 16–17, 2016. Poster.
- **Benkeblia N.** 2016. “Can Metabolomics be a key to Understand Fructans Metabolism?” 8th International Fructan Symposium, Oaxaca, Mexico, June 26–July 1, 2016. Plenary Lecture.
- Lopez, M.G. and **Benkeblia, N.** 2016. Profiling of short chain fructooligosaccharides (scFOS) of ackee (*Blighia sapida* Koenig) through different maturation stages. 8th International Fructan Symposium, June 26th–July 1st, 2016, Oaxaca, Mexico (Poster).
- Steen, S.S., Lopez, M.G. and **Benkeblia, N.** 2016. Profiling of saccharides –glucose, fructose and sucrose- and short-chain fructooligosaccharides – 1-kestose, 1-nystose and DP5 of the photosynthetic

leaves and the bulb of onion (*Allium cepa*) during growing and bulbification. 8th International Fructan Symposium, June 26th – July 1st, 2016, Oaxaca, Mexico (Oral).

- **Asemota, H.N.** 2016. Bioengineering of Yams & other selected Caribbean Roots and Tuber Crops Biomaterials for Value-chain Expansion & Pre-commercialization analyses. Presented at the 8th Jamaica-Mexico Bilateral Commission Technical Cooperation Meetings, SRE, Mexico City. Mexico. May 16–18, 2016.
- **Mitchell, SA.** 2016. Bioprospecting in the Caribbean Region – Implications for Indigenous and Local communities. Advancing the Nagoya Protocol in Countries in the Caribbean Region. Jamaica National Workshops. July 25, Kingston and July 28, Montego Bay. Hosted by IUCN-ORMACC in corporation with UNEP and the Government of Jamaica.
- **Mitchell, SA.** 2016. Bioprospecting in Jamaica – Implications for local communities. Advancing the Nagoya Protocol in Countries in the Caribbean Region. Jamaica National Workshops, July 26, Kingston; July 29, Montego Bay. Hosted by IUCN-ORMACC in corporation with UNEP and the Government of Jamaica.
- **Mitchell, S.A.** 2016. Considerations for scientific study on medicinal plants in the Caribbean so as to safely integrate folk medicine into conventional medicine healthcare’, A.D.J.C. Annual scientific study day on the topic: "Scientific research in tropical island" Martinique conference, April 21st, 2016
- **Mitchell, SA.** 2016. Global Perspectives on the Biotechnology and Tissue Culture Propagation of Cannabis. In session: Cannabis sativa: the Science Behind the Smoke. June 12, 2016, PS3
- **Mitchell, SA.** 2016. Bamboo tissue culture ‘catalyzing the process’, Peckham Certification Ceremony, Bureau of Standards Jamaica, April 8th, 2016.

Newspaper Articles

- **Sylvia Mitchell.** April 26th – *Daily Observer* article ‘Money in

- Medicinal Plants’ http://www.jamaicaobserver.com/news/Money-in-medicinal-plants-researcher_47589
- **Marcia Roye.** April 12, 2016 – *Daily Observer* article ‘Hope for farmers plagued by plant viruses’ http://www.jamaicaobserver.com/news/Hope-for-farmers-plagued-by-plantviruses_47593

INCOME GENERATION

During the period August 1, 2015 to July 31, 2016, income generated from Bioservices & Bioskills training, Internship, Symposium/Workshops and Grants amounted to approximately ninety thousand United States dollars (USD90,000.00) – comprising USD 8,000.00 from Government Bamboo Project (by Mitchell) – to be paid to Biotech Account; USD26,000.00 from United Nations University (by Asemota/Randle/Dondapati) - paid; USD56,000.00 from 1st year of NSF Project (Asemota) as Sub-award from SUNY, Binghamton – to be paid; and JMD320,000 (by Asemota/Dondapati/Stewart) from Bioskills training – paid; totaling USD90,000 and JMD320,000.

PUBLIC SERVICE

Professor Helen Asemota

- Ordained Clergy (Rev.) – serving Holiness Christian Church Denomination as a Pastor.
- Chairman and Co-Founder, Imade Asemota Foundation for Sickle Cell Research and Patients’ Welfare (IAF), North Carolina, USA.
- International Measurement Convention (IMEKO) Rep. in Jamaica.
- STEM Women of Science Concave (SWOC), USA. Founding Member.
- Member of the Jamaica Delegates to the 8th Jamaica-Mexico Bilateral Commission

Dr. Sylvia Mitchell

- Member of Caribbean Access and Benefit Sharing (ABS) Development Initiative Steering Committee
- Member of the Society for In vitro Biology – Education Chair, and Co-Editor
- Member, Management Board, College of Agriculture and Science Education (CASE)
- Member, Standards Council, Standards and Technical Sub-Committee, National Quality Awards, and Chair of the Board of Examiners, Bureau of Standards of Jamaica (BJS)
- Member, Hope Garden's Education and Research Sub-Committee, NPF

Dr. Marcia Roye

- Assistant Dean for Graduate Studies & Research, Faculty of Science & Technology, Mona

Professor Paula Tennant

- Head of Department of Life Sciences, Mona

THE HUGH WYNTER FERTILITY MANAGEMENT UNIT



Dr. Vernon DaCosta, MBBS, DMOG, FRCOG, FACOG
Head of Department

OVERVIEW

The Hugh Wynter Fertility Management Unit (HWFMU) had a change of leadership in October 2015. Professor, the Honorable Joseph Frederick, retired; leaving a legacy of achievements that has placed the unit on the path of becoming a centre of excellence in sexual and reproductive Health. The staff of the HWFMU takes this opportunity to record its thanks to Professor the Honorable Joseph Frederick for the tremendous work and accomplishments in the HWFMU and the University of the West Indies.

This year was a particularly challenging one for the Unit especially the In-Vitro Fertilization section occasioned by the Zika epidemic and the government of Jamaica recommendation that women delay childbearing for twelve months. This resulted in a reduction in our IVF clientele and an increased uptake of the contraceptive injection Depo-Provera.

Several new initiatives have been undertaken. The first is the formation of the Caribbean Association of Gynaecologic Endoscopic Surgeons (CAGES) and the second is the partnering with the International Society for Gynaecologic Endoscopy (ISGE). This partnership is seeing to the staging of the inaugural International minimally invasive gynaecologic surgery post-graduate courses and Congress to be held March 22–25, 2017 at the Hilton Rose Hall, Montego Bay.

The Master in Counselling by Distance Education programme will be suspended for the academic year 2016/17 to review its content, streamline delivery and make it more student-friendly.

The Unit launched its new website and is embarking on a more aggressive marketing strategy via Facebook, Google and LinkedIn to increase our clientele and public profile.

The Unit's continuous focus on training included the hosting of its second In-Vitro Fertilization/Ferring Workshop in July 2016 with the participation of obstetrician/gynaecologists from Jamaica and the wider Caribbean. These annual workshops are geared to train doctors to operate IVF satellite stations in the other Caribbean islands. The Unit also held its first two-day IVF-legal conference in association with the UWI's Legal Unit at the UWI Regional Headquarters. The workshop reviewed the status of the Jamaica's legal framework for IVF services and the requirements to protect service providers and clients.

In the area of professional development, the following staff members completed their studies: Nurse Yvonne Walters, M.Sc. in Counselling; Miss Deon Black, M.B.A. and Mrs. Ileen Gill, B.Sc. Gender and Development Studies. Mrs. Veronica Forbes-Blake was awarded the Jamaica Association of Administrative Professionals Runner-up All-island Administrative Professional of the Year.

The Unit continues to consolidate its programmes and services to promote greater efficiency.

CLINICAL SERVICES

Table 1 Surgeries and procedures performed in the Clinic

Procedures	Number
Oral Contraceptives	339
Depoprovera injection	2,338
Jadelle implant	90
IUCD	84
Tubal Ligation	8
Vasectomy	3
Diagnostic Laparoscopy	34
Diagnostic Hysteroscopy	222
Cervical Cerclage	6
Suction Curettage/D&C	55
Cyst aspiration	5
Operative laparoscopy	101
Operative hysteroscopy	18
Myomectomy	29
Hysterectomy	8

Table 2 Assisted Reproduction Report

Registrations (New Patients)	119 112 couples 7 single women
Counselling	43 couples – 4 single women
Egg Recoveries	93
Embryo Transfers	66
Frozen Embryo Transfers	35
Intrauterine Insemination	24
Surgical Sperm Retrievals	4
Cyst Aspirations	19
Endometrial Aspiration	1

TRAINING

The delivery of the M.Sc. Counselling programme is consistent with the strategic mandate of the University of the West Indies to advance the growth and development of the Caribbean Region through education and training. Delivered on a part-time in seven English-speaking Caribbean countries including Jamaica, the programme utilises a blend of Face-to-Face teaching and Computer-Mediated Instruction, as well as varied supportive networks throughout the region.

Student Enrollment

Student enrollment for the academic year 2015–2016 is shown by site as follows:

The Bahamas	2
Belize	2
Dominica	10
St. Lucia	2
Mona	4
St. Vincent	1
Trinidad	14

Total student enrollment = 35

Graduation

Two students, one from Mona and another from Trinidad are scheduled to graduate in October, 2016.

Applications

The M.Sc. Counselling programme was advertised during the second semester of the academic year 2015–2016 and some 57 applications were received of whom 29 were accepted. The numbers of applications accepted by site were as follows:

The Hugh Wynter Fertility Management Unit

Bahamas =1; Belize=5; Dominica = 4; Mona = 10; St. Vincent = 1; Trinidad and Tobago=8.

Programme Status

The programme has been suspended for the academic year 2016–2017 in order to improve the efficiency of its delivery. The curriculum is currently being revised to bring the programme in line with the American 2016 Council for Accreditation of Counseling and Related Educational Programmes (CACREP).

OUTREACH

- Outreach supported the activities particularly the clinical services. Co-ordinating responsibilities were carried out for the following events:
 - Review and reconstruction of the HWFMU website
 - UWI Research Days February 17–19 2016
 - Planning and implementation of an “In-Vitro Fertilization Workshop for Obstetricians and Gynaecologists” on July 22 & 23, 2016, part sponsored by Ferring Pharmaceuticals and Roche for 10 Obstetricians/Gynaecologists from four Caribbean countries: Jamaica, the Cayman Islands, the Bahamas and Antigua. There was a blend of lectures and clinical practice. The workshop was rated as excellent by participants.
 - Activities for educational institutions, and community groups including display booths, distribution of educational materials, PowerPoint presentations, and career talks. These included:
- Display booth and information dissemination at The University Hospital of the West Indies Health Fair, Main Car Park, on October 8, 2015.
- Booth display and talk on the “Work of the HWFMU” at a Health Fair at HEART Trust/NTA Vocational Training and Development Institute, Gordon Town Road, on February 4, 2016.

- Booth display and information dissemination at the Jamaica Rugby Union Health Fair at the Police Officers' Club on February 6, 2016.
- Careers day presentation at Penwood High School, 8 Rhoden Crescent, Kingston 12 on March 18, 2016.
- Activity relating to "Speak your Mind" for Mothers and Daughters Day at Mona Primary School.
- Careers Day presentation at St Joseph Infant School, Duke Street, on May 3, 2016.

MAJOR CONFERENCES/SEMINARS

- 44th Annual Scientific Conference, Medical Association of the Bahamas, "In Vitro Fertilisation – The Caribbean Experience" Presenter Dr V. DaCosta. March 2–4, 2016, Atlantis, Bahamas.
- AAGL Congress Las Vegas, November 2015 – attended by Dr. V. DaCosta and Sister C. McKenzie
- ACOG conference 2015 Jamaica
- November 2015 – Yvonne Walters participated and completed Basic Life Support Training
- April 2016 – Rochelle Foster-Hammond participated and completed the Andrology Course in Birmingham, UK
- April 2016 – Denise Everett Keene participated in Annual Donor Egg Symposium/Workshop in North Carolina
- May 2016 – Drs. Sharifa Frederick and Kamali Carroll visited the Genetics and IVF Institute in Virginia
- May 2016 – Two Days IVF Legal Workshop at the UWI Regional Office
- June 2016 – Visit from Academy of Science, Technology and the Arts (ASTA). Sixteen students and 2 teachers observed Assisted Reproduction Technology
- June 2016 – Heart Foundation Advanced CPR Workshop – entire staff participated

The Hugh Wynter Fertility Management Unit

- July 2016 - Customer Service Training for IVF Team

PUBLIC SERVICE

Dr. Vernon DaCosta

- Electronic media interviews (TVJ, KLAS & RJR), exposing the technique of no-scalpel vasectomy and Assisted Reproductive Technologies including, In vitro Fertilization.
- Public education and awareness of donor gametes and surrogacy via radio.
- Member of the Grabham Society of Obstetricians & Gynaecologists.
- Member of the BASE Foundation.

Hamilton, Pansy

- Board Member, The Mico University College
- Board Member, Caribbean HIV/AIDS Alliance
- President, Jamaica Association of Health Service Executives
- Executive Member, YWCA Jamaica
- Board Member Pringle Home for Girls
- Member, Churches Emancipation Committee for the Annual Emancipation Lecture

Jackson, Elaine

- Associate Pastor, New Wine Tabernacle Church
- Director and Executive Producer, UIWAIS House of Worship Ministry
- Member, Board for August Town Primary School
- Member, Jamaica Association of Composers, Authors and Publishers (JACAP)
- Member, Jamaica Association of Health Service Executives

Meade, Joan

- Chairperson, Zone 4A, Sub-district 60B, Lions Clubs International
- Leo Advisor, Lions Club of St. Andrew Central

Williams, Lillith

- Member, The International Association for Counselling

McKenzie, Claudette

- Member, Jamaica Association of Health Service Executives

Carroll, Kamali

- Member, Jamaica Association of Health Service Executives

Forbes-Blake, Veronica

- Chairman, Education Committee, Jamaica Association of Administrative Professionals

Ingram, Neila

- Pastor, St. Matthew's African Methodist Episcopal Church
- Member/Advisor, O'Meally United Club
- Board Member, Jamaica Council of Churches

Gill, Ileen

- Member, Jamaica Association of Administrative Professionals

THE NATURAL PRODUCTS INSTITUTE



Dr. Rupika Delgoda, D.Phil. (*Oxon*), B.Sc. (Hons.)
Executive Director

WORK OF THE INSTITUTE

The Natural Products Institute (NPI), saw the growth of several research projects during this year and the initiation of a few others, in particular research on control methods for insecticide resistant mosquitoes responsible for carrying multiple diseases including ChikV and Zika viruses. Collaborations commenced between NPI and Colorado State University, Fort Collins, USA as well as Liverpool School of Tropical Medicine, UK, and the project is well underway with support from Ministry of Health.

The Institute launched a Handbook entitled, “Potential Drug Interactions for commonly used medicinal plants and foods in Jamaica” this year which has been well received by the medical community. Data compiled in this book, which is a combination of both original research at the

Institute as well as from established literature, has also been used to create an app for use by physicians and pharmacists.

Members of staff continue to contribute to national and international bodies in natural products development as well as engage in high quality publications and presentations at national and international conferences. NPI was invited to partner with the Chemistry Department at the 26th Mona Symposium this year to host a public forum entitled, “Natural Products for National Development”, which attracted a variety of public and private sector representatives for dialog in this key area, towards national development.

Our research efforts have been recognized in two noteworthy awards this year: The award for first place winning poster at the 20th meeting of the renowned International Society for the Study of Xenobiotics (ISSX) North America meeting, Florida, and best research publication for the Faculty of Science and Technology, Mona Principal’s Research Awards.

PAPERS PRESENTED

Invited plenary and oral presentations:

- **Picking D**, Younger N, Mitchell S, Delgoda R, “Prevalence of medicinal plant use in Jamaica & assessment of potential drug-medicinal plant interactions of select plants,” the international symposium on methods for studying drug metabolism and transport and African Traditional Medicines, Pretoria, South Africa, November 23-25, 2015
- **Picking D**, Jamaican Ministry of Health, World Health Day 2016 forum, “Reversing diabetes: A possibility or a dream,” Invited to speak on “The use of herbs in diabetes,” Public Forum – Kingston, Jamaica – March 2016
- **Picking D**, Second Agribusiness Forum organized by the Technical Centre for Agricultural & Rural Cooperation (CTA), the Inter-American Institute for Cooperation on Agriculture (IICA) and the Caribbean Agribusiness Association (CABA). Invited speaker on

“Opportunities in the nutraceutical and pharmaceutical industry for the region,” Barbados, November 2015

- **Picking D**, Panelist presenting on “Essentials of scientifically based natural products industry”, at the public forum entitled, “Natural Products for National Development”, at the 26th Mona Symposium University of the West Indies, January 5, 2016.
- **Delgoda, R**, “Towards unveiling the value of Caribbean biodiversity: using phase I and II drug metabolizing enzymes as targets” International Symposium on Methods for Studying ‘Drug Metabolism and Transport’ and African Traditional Medicines” (METHODS-2015), Pretoria, South Africa, November 23–25, 2015.
- **Delgoda, R**, “Natural Products in cancer prevention and therapy”, Faculty of Medical Sciences conference and workshop, November 13, 2015, UWI

Papers presented as posters

- **Francis S**, Laurieri N, Nwokocha C, and **Delgoda R**, “Per os treatment of rats with apocynin, a natural organic compound, has potent inhibitory effects on arylamine N-acetyltransferase activity in liver”, 20th North American ISSX Meeting. October 18–22, 2015, Florida, USA.
- Badal S, Asuncion-Valenzuela M, Kandagatla S, Zylstra A, Francis S, Quitugua A, Amis L, Davis W, Jacobs H, Raner G, Brantley E, Delgoda R, “Potential chemopreventive properties of Jamaican natural products”, International Symposium on Methods for Studying ‘Drug Metabolism and Transport’ and African Traditional Medicines” (METHODS-2015), Pretoria, South Africa, November 23–25, 2015.

PUBLICATIONS

Book

- **Delgoda, R** and **Picking D**, Potential drug interactions: for commonly used medicinal plants&foods in Jamaica, *Handbook for health care professionals*, Natural Products Institute, University of the West Indies, Kingston, Jamaica, 2015

Refereed Journal Articles and book chapters

- Francis S, Laurieri N, Nwokocha and Delgoda R, “Treatment of Rats with Apocynin Has Considerable Inhibitory Effects on Arylamine N-Acetyltransferase Activity in the Liver”, *Scientific Reports*, 2016, May 31;6:26906. doi: 10.1038/srep26906
- Murray J, Picking D, Lamm A, McKenzie J, Hartley S, Watson C, Williams L, Lowe H and Delgoda R, “Significant inhibitory impact of dibenzyl trisulfide and extracts of *Petiveria alliacea* on the activities of major drug metabolizing enzymes in vitro: An assessment of the potential for medicinal plant-drug interactions”, *Fitoterapia*, 2016, 111, 138–146
- Francis S, Nwokocha C and Delgoda R, “Inhibition of cytochrome P450 1 enzymes by apocynin and other Jamaican natural products: Assessing potential for chemoprevention and drug-herb interactions”, in “In-vitro Bioassays and Chromatographic Analyses Used to Screen Natural Products from Jamaica in the 21st Century”, Green C (Ed), 2015, 49–61, *Research Signpost*.

TRAINING RECEIVED BY STAFF

- Francis S, entomology and vector control training at Colorado State University, November 2015–February 2016
- Delgoda, R, Developing a Cochrane Systematic Review; workshop conducted by Caribbean branch of the US Cochrane Centre, UWI, April 18–20, 2016
- Francis S, one year post-doctoral training in entomology, University of Florida, Gainesville, USA, April 2016

Client Services

- Efficacy of local plants in fighting cancer
- Development of nutraceuticals

PUBLIC SERVICE

Rupika Delgoda

- Member, Steering Committee, National Nutraceutical Industry, Jamaica
- Member, Cannabis Research and Development Evaluation and Monitoring Committee
- Member African Caribbean Cancer Consortium
- Secretary, International Society for the Development of Natural Products
- Co-Chair, 10th conference of the Faculty of Science and Technology, UWI
- Co-Licencee and organizer of TEDxJamaica
- Member International Society for Study of Xenobiotics
- Member American Society for Pharmacognosy

Sheena Francis

- Board Member of the Caribbean Diaspora for Science, Technology and Innovation (CADSTI)
- Organizing Committee, 10th conference of the Faculty of Science and Technology, 2015
- Organiser for Sagicor Visionaries Competition
- Member, American Society of Tropical Medicine and Health
- Member, Caribbean Academy of Sciences
- Member, Jamaica Organic Agriculture Movement
- Jamaican Young Scientist Forum
- Member, Caribbean Coastal Area Management Foundation

David Picking

- Advisory Panel, Jamaican Ministry of Health – Complementary and Alternative Medicine (CAM)

- Advisory Panel, Bureau of Standards
- Board of Directors, Perishables Jamaica
- Lecturer, All American Institute of Medical Sciences, Black River, Jamaica
- Collaborator, New York Botanical Garden (NYBG)

Trevor H. Yee (Retired, honorary member)

- Treasurer, the International Society for the Development of Natural Products (ISDNP)
- Executive Committee, the Natural History Society of Jamaica (NHSJ).

AWARDS

- Picking D, Delgoda R, Younger N, Germosén-Robineau L, Boulogne I, Mitchell S, Principals award for best publication, Faculty of Science & Technology, January 2016, for publication: “TRAMIL ethnomedicinal survey in Jamaica,” *Journal of Ethnopharmacology* 169, 314–327
- Francis S., Laurieri N, Nwokocha C and Delgoda R, First Place poster winner (of 289), Awarded to the poster: Per os treatment of rats with apocynin, a natural organic compound has potent inhibitory effects on Arylamine N-acetyltransferase activity in liver. (October 18 – 22, 2015) at the 20th North American International Society for the study of Xenobiotics (ISSX), Florida, USA.

Visiting academics hosted by NPI

- Professor Geoffrey Cordell, Natural Products Inc.; February, 2016.

TROPICAL MEDICINE RESEARCH INSTITUTE



Professor Susan Walker, BSc *Bristol*, MSc, PhD *Lond*
Director

PAPERS PRESENTED

- M Grindley, A Barton-Gooden, J Knight-Madden, M Asnani. “Challenges and opportunities for development in youth with chronic diseases: The experience with adolescents with sickle cell disease.” Oral presentation at Caribbean Youth Development Conference, The Sir Arthur Lewis Institute of Social and Economic Studies, UWI held in Kingston, Jamaica. September 30–October 2, 2015.
- M Asnani. “Pregnancy in Sickle Cell Disease/Newborn screening in Jamaica.” Invited lecture to midwives for PROMAC programme: Montego Bay, Jamaica. September 28, 2015, Ocho Rios, Jamaica. October 1, 2015; Medallion Hall Hotel, Kingston, Jamaica. July 11, 2016; Mandeville Hotel, Mandeville, Jamaica. July 13, 2016. At the: 53rd symposium of Jamaica Midwives Association, October 26–30, 2015, held at Jamaica Conference Centre, Kingston, Jamaica;

- **M Asnani.** Sickle Cell Disease: “A Case for the General Practitioner?” Invited Lecture to Family Medicine Faculty, UWI, Mona Campus. December 11, 2015
- **M Asnani.** “Pregnancy in Sickle Cell Disease.” IVth Caribbean Congress on SCD. Held Jamaica Conference Centre, Kingston, Jamaica. January 20–22, 2016
- **M Asnani.** “Sickle Cell Disease & the Kidney.” Invited lecture at Caribbean Institute of Nephrology 8th Annual Conference Kingston, Jamaica. January 29–30, 2016
- **M Asnani.** “Improving Lives? Challenges faced by adolescents with sickle cell disease. Invited lecture to UWI Research Day FMS Signature event.” Held at UWI, Mona Campus. Feb 19, 2016
- **M Asnani.** “Sickle Cell Disease & End Organ Disease.” Invited lecture at Advancement in Medicine Conference 2016. May Pen Hospital, Jamaica. February 22–25, 2016
- **M Asnani.** “Sickle Cell Disease.” Invited LASCO lecture to island wide Pharmacists. Held at Terra Nova Hotel, Kingston, Jamaica. March 13, 2016.
- **M Asnani.** “Sickle Cell Disease in Jamaica.” Invited guest lecturer at Duke University Hematology Case Conference. Held at Duke University, Durham, North Carolina, USA. March 22, 2016.
- **M Asnani.** “Biopsychosocial aspects of Sickle Cell Disease – Jamaican case studies.” Invited guest lecturer at Duke University Course N569/AAAS569/CULANTH569. March 25, 2016.
- **M Asnani.** “Systematic Reviews and Meta-analyses.” Invited lecture to UWISON annual research internship programme. June 16, 2016.
- **M Asnani.** “Pain in Sickle Cell Disease.” Invited Lecture for FMS, UWI Summer Course. July 2, 2016.
- **K Bhatt.** “Screening for complications.” 4th Caribbean Conference on Sickle Cell Disease, Kingston, Jamaica, February 2016.
- **K Bhatt.** “Approach to Teen Years.” 4th Caribbean Conference on Sickle Cell Disease, Kingston, Jamaica, February 2016.
- **N Chin.** “Debunking Misconceptions.” 4th Caribbean Conference

on Sickle Cell Disease, Kingston, Jamaica, February 2016.

- **C Gabbadon.** “Immunization and Infection.” 4th Caribbean Conference on Sickle Cell Disease, Kingston, Jamaica, February 2016.
- **J Harris.** “Leg Ulcers.” 4th Caribbean Conference on Sickle Cell Disease, Kingston, Jamaica, February 2016.
- **L King.** “HU Approach.” 4th Caribbean Conference on Sickle Cell Disease, Kingston, Jamaica, February 2016.
- **L King.** “Diagnosing Sickle Cell Disease.” 4th Caribbean Conference on Sickle Cell Disease, Kingston, Jamaica, February 2016.
- **C. Bodkyn, S. Weitzman, C. Sin Quee, E. Adler, C. Alexis, Z. Ali, U. Allen, J. Bird-Compton, R. Boyle, B. Datta, S. de Young, B. Fleming-Carroll, T. Gibson, S. Gupta, P. Ingram-Martin, M. Kirby-Allen, J Knight-Madden, I. Odame, S. Read, M. Reece-Mills, M. Richards-Dawson, B. Smith, M. Thame, G. Wharfe, V. Blanchette.** “Capacity building through twinning in paediatric oncology: Canada and the Caribbean as a model for success”. Oral presentation at the 47th Congress of the International Society of Paediatric Oncology (SIOP), Cape Town, South Africa, October 2015.
- **J Knight-Madden.** “Collaboration: Key to success in resource challenged nations”. 4th Caribbean Conference on Sickle Cell Disease, Kingston, Jamaica, February 2016.
- **J Knight-Madden.** “Acute Respiratory Complications in SCD”. 4th Caribbean Conference on Sickle Cell Disease, Kingston, Jamaica, February 2016.
- **J Knight-Madden.** “Sickle Cell Disease: A Global Issue- Jamaica, Sickle Cell in Focus”, National Institutes of Health, Washington DC, June 2, 2016.
- **J Knight-Madden.** “Newborn Screening “roll-out.” 4th Caribbean Conference on Sickle Cell Disease, Kingston, Jamaica, January 2016.
- **B Morrison.** “Priapism.” 4th Caribbean Conference on Sickle Cell Disease, Kingston, Jamaica, January 2016.
- **N Morrison-Levy.** “Painful Crisis & Management.” 4th Caribbean Conference on Sickle Cell Disease, Kingston, Jamaica, January 2016.

- **AE Rankine-Mullings.** On behalf of the Extend Team. “EXtend – Expanding Treatment for Existing Neurological Disease.” 4th Caribbean Conference on Sickle Cell Disease “Advances in Clinical Care and Research” January 2016.
- **AE Rankine-Mullings.** “The Quest to Reduce Stroke Risk in Sickle Cell Disease:” A report from a phase III clinical trial (SCATE). National Health Research Conference November, 2015
- **AE Rankine-Mullings.** “Stroke.” 4th Caribbean Conference on Sickle Cell Disease, Kingston, Jamaica, January 2016.
- **AE Rankine-Mullings,** C Little, M Reid, D Soares, C Taylor-Bryan, J Knight-Madden, SE Stuber, A Badaloo, K Aldred, M Wisdom-Phipps, T Latham, and RE Ware for the EXTEND Investigators. EXpanding Treatment for Existing Neurological Disease (EXTEND): “An open-label phase II clinical trial of hydroxyurea treatment in sickle cell anemia.’ *JMIR Res Protoc* 2016 (Sep 12); 5(3):e185
- LA Chin-Harty, T Royal-Thomas, DS Thompson, C Osmond, TE Forrester, **MS Boyne.** “Role of prenatal factors and postnatal growth on insulin sensitivity and beta-cell function in Afro-Caribbean youth: Vulnerable Windows Cohort Study.” Oral presentation at the Developmental Origins of Health and Disease 9th World Congress, Cape Town, South Africa, 8–11 November 2015. *Journal of Developmental Origins Health and Disease* 2015, 6 (Suppl 2): S12.
- DS Thompson, IA Tennant, D Soares, T Royal-Thomas, CD Byrne, T Forrester TE and **MS Boyne.** “Non-alcoholic fatty liver disease among adult survivors of severe acute malnutrition”. Poster-oral presentation at the Developmental Origins of Health and Disease 9th World Congress, Cape Town, South Africa, 8-11 November 2015. *Journal of Developmental Origins Health and Disease*, 2015 6 (Suppl 2): S118.
- LA Chin-Harty, DS Thompson, C Osmond, DI Phillips, T Royal-Thomas, TE Forrester, **MS Boyne.** “The association between early life factors and cortisol awakening response in adolescents”. Poster presentation at the Endocrine Society 97th Annual Meeting, San Diego, CA, March 4–7, 2015. *Endocrine Reviews*, 2015; 36 (2): SAT-397.

- **T Royal-Thomas**, N Younger-Coleman, J Van den Broeck, D Sinha, D McGee, S McFarlane, D Francis, R J. Wilks. “Correlates of time to sexual debut in 15–19 year olds in the Jamaica Youth Risk and Resiliency Survey 2006: A Survival Analysis.” Oral and poster presentation at the Joint Statistical Meetings 2016, Chicago, U.S.A. (Also presented at the TMRI seminar on May 30, 2016).
- **T Royal-Thomas**, D McGee, “Principal Component Scores in predicting Cardiovascular Health.” Oral presentation at the Joint Statistical Meetings, August 2015, in Seattle, Washington.
- **T Royal-Thomas**, N Younger-Coleman, T Forrester, R Cooper, R Wilks. “Predicting Cardiovascular Risk using Principal Component and Factor Analyses.” Oral presentation at the Jamaica Statistical Pre-conference workshop & Symposium, October 29–30, 2015. Mona Visitors’ Lodge, UWI, Mona Campus. (Won the award for best oral presentation).
- **C Walters**, N Younger-Coleman, T Royal-Thomas, C Cunningham-Myrie C, R. Wilks. Cluster Effects in Fasting Blood Glucose from the Jamaica Healthy Lifestyle Survey II. Oral presentation at the Jamaica Statistical Pre-conference workshop & Symposium, October 29–30, 2015. Mona Visitors’ Lodge, UWI, Mona Campus.
- K. Pate-Robinson, T. Thompson, T. Clarke, **T. Ferguson**. The Chikungunya Outbreak in Jamaica: Clinical Features and Outcomes of Patients Seen at an Urban Hospital in September 2014. ID Week 2015. San Diego, California.
- K Maloney, **T Ferguson**, K De Ceulaer . Clinical and Immunological Characteristics of 150 Systemic Lupus Erythematosus Patients in Urban Jamaica. American College of Rheumatology Annual Meeting 2015. San Francisco, USA.
- KC Maloney, **TS Ferguson**, K De Ceulaer, HD Stewart. Patterns of medication use among patients with systemic lupus erythematosus in urban Jamaica: relationship with disease activity and organ damage. Faculty of Medical Sciences (UWI) 24th Annual Research Conference; 2015, Kingston Jamaica.

INVITED LECTURES

- **M. Boyne.** “Early childhood malnutrition and glucose dysregulation in West Indian adults”. American Diabetes Association 75th Scientific Sessions, Symposium on “Global Challenges and Disparities in Diabetes,” June 5, 2015, Boston, MA.
- **T. Ferguson.** “Cardiovascular Disease Risk Reduction in Older Adults with Diabetes & Hypertension”. Medical Association of Jamaica Symposium; Kingston Jamaica, June 2-5, 2016
- **T. Ferguson.** “Early Life Determinants of Blood Pressure: Potential Targets for Preventing Hypertension”. Advancement in Medicine and Health Care Conference; May Pen, Jamaica, February 23, 2016
- **T. Ferguson.** “Early Life Factors and Renal Function in Afro-Caribbean Young Adults”. Caribbean Institute of Nephrology, 8th Annual International Conference On Nephrology and Hypertension, January 29-30,2016, Kingston, Jamaica

PUBLICATIONS

Books:

- **K Aldred, M Asnani M, M Beckford, K Bhatt-Polouse, N Chin, C Daley, M Grindley, C Hammond-Gabbadon, J Harris , L King, J Knight-Madden, M MooSang, W Madden, H Martin H, B Morrison, N Morrison-Levy, AE Rankine-Mullings AE + et al.,** eds. *Sickle Cell Disease: “The Clinical Care Guidelines of the Sickle Cell Unit.* Ed. By Susanna Bortolusso Ali. Kingston, Sickle Cell Unit: University of the West Indies, 2015. (188 pages).

Chapters in Books:

- **KAD Morgan, N Smith, RC Gibson, WD Abel, M Parshad-Asnani, M Reid, KN O’Garro, CL Edwards.** “Pain, Sexual Activity and Partner Support in Jamaicans with Sickle Cell Disease.” In *Sickle Cell Disease: Genetics, Management and Prognosis.* Nova Science Publishers, 2015, 103.

- **A Rankine-Mullings, S Ali.** “Neurological Events in Sickle Cell Disease/Transcranial Doppler Studies.” in the *Clinical Care Guidelines of the Sickle Cell Unit* Ed. by Susanna Bortolusso Ali. 2nd edition 2015. Kingston: Sickle Cell Unit, University of the West Indies. 188 pages.
- **M MooSang, AE Rankine-Mullings, L King, S Ali.** “Hydroxyurea Guidelines.” *The Clinical Care Guidelines of the Sickle Cell Unit*. Editor Susanna Bortolusso Ali. 2nd edition 2015. Kingston, Jamaica: Sickle Cell Unit, University of the West Indies.
- **J. Knight-Madden, T Murphy.** “The Lungs in Sickle Cell Disease”. In *Kendig’s Disorders of the Respiratory Tract in Children* Ed. by V Chernick, TF Boat, RW Wilmott, A Bush. 7th Edition. Elsevier, 2006: 992-996.
- **JM Knight-Madden, AE Rankine-Mullings.** “Respiratory Issues in Sickle Cell Disease.” In *The Clinical Care Guidelines of the Sickle Cell Unit* Ed. By Susanna Bortolusso Ali. 2nd edition. Kingston, Jamaica: Sickle Cell Unit, University of the West Indies. 2015 (188 pages).

Refereed Journal Articles

- **M Asnani, M Reid.** “Renal function in Adult Jamaicans with Homozygous Sickle Cell Disease.” *Hematology* 20, 7 (2015): 422-428.
- **M Asnani, M Anderson.** “The white blood cell always eats the red: What Jamaicans with sickle cell disease know about their illness.” *Ethnicity & Health* 21, 2 (2016): 103-117
- **G Mansingh, K Osei-Bryson, M Asnani.** “Exploring Antecedents of Quality of Life of Sickle Cell Patients Using a Knowledge Discovery and Data Mining Process Model based Framework.” *Health Systems*. 5, 1 (2016): 52–65.
- **M Asnani, A Barton-Gooden, M Grindley, J Knight-Madden.** “Assessing performance characteristics of the PedsQ1™-SCD and IPQ-R scales in Jamaican adolescents with sickle cell disease. Vulnerable Children and Youth Studies: An International

- Interdisciplinary”. *Journal for Research, Policy and Care*. 11, 1 (2016). DOI: 10.1080/17450128.2016.1139222.
- **M Asnani, G Serjeant, T Royal-Thomas, M Reid.** “Predictors of renal function progression in adults with homozygous sickle cell disease.” *British Journal of Haematology*. 173, 3 (2016):461-468.
 - **K Bhatt-Poulose, K James, M Reid, A Harrison, M Asnani.** “Increased rates of body dissatisfaction, depressive symptoms and suicide attempts in Jamaican teens with sickle cell disease”. *Pediatric Blood & Cancer*”. (2016). doi: 10.1002/pbc.26091. [Epub ahead of print].
 - **M Asnani, A Barton-Gooden, M Grindley, J Knight-Madden.** “Utility of paediatric quality of life and revised illness perception questionnaires in adolescents with sickle cell disease”. *Vulnerable Children and Youth Studies*. 11, 1 (2016):1-12
 - **N Mulder, V Nembaware, A Adekile, KA Anie, B Inusa B, B Brown, A Campbell, F Chinenere, C Chunda-Liyoka, VK Derebail, A Geard, K Ghedira, CM Hamilton, NA Hanchard, M Haendel, W Huggins, M Ibrahim, S Jupp, KK Kamga, J Knight-Madden, P Lopez-Sall, M Mbiyavanga, D Munube, D Nirenberg, O Nnodu, SF Ofori-Acquah, K Ohene-Frempong, KB Opap, S Panji, M Park, G Pule, C Royal, R Sangeda, B Tayo, M Treadwell, L Tshilolo, A Wonkam.** “Proceedings of a Sickle Cell Disease Ontology workshop - Towards the first comprehensive ontology for Sickle Cell Disease”. *Applied and Translational Genomics* 9 (2016): 23-26
 - **JS Hankins, MB McCarville, AE Rankine-Mullings, ME Reid, CL Lobo, PG Moura, S Ali, DP Soares, K Aldred, DW Jay, B Aygun, J Bennett, G Kang, JC Goldsmith, MP Smeltzer, RE Ware.** “Prevention of conversion to abnormal transcranial Doppler with hydroxyurea in sickle cell anemia: A Phase III international randomized clinical trial.” *American Journal of Hematology* 90, 12 (2015): 1099-1105.
 - **AE Rankine-Mullings, ME Reid, M Moo Sang, MA Richards-Dawson, JM Knight Madden.** “A Retrospective Analysis of the Significance of Haemoglobin SS and SC in Disease Outcome in Patients with Sickle Cell Disease and Dengue Fever.” *EBioMedicine*. 2, 8 (2015):937-941. doi:10.1016/j.ebiom.2015.07.002.

- **LG King**, Bortolusso-Ali S, Cunningham-Myrie CA, **ME Reid**. Impact of a Comprehensive Sickle Cell Center on Early Childhood Mortality in a Developing Country: The Jamaican Experience. *J Pediatr*. 2015; 167(3):702-5 e1.
- CP Campbell, D Raubenheimer, **AV Badaloo**, PD Gluckman, C Martinez, A Gosby, SJ Simpson, Osmond C, **MS Boyne**, TE Forrester. “Developmental contributions to macronutrient selection and appetite control: A randomized controlled trial in adult survivors of kwashiorkor and marasmus”. *Evolution, Medicine and Public Health*. 2016, 1 (2016):158-169.
- **TS Ferguson**, **MK Tulloch-Reid**, **NO Younger-Coleman**, RA Wright-Pascoe, **MS Boyne**, AK Soyibo, **RJ Wilks**. “Prevalence of Chronic Kidney Disease among Patients Attending a Specialist Diabetes Clinic in Jamaica”. *West Indian Medical Journal*, 64,3 (2015): 201-208
- PS Bahado-Singh, AO Wheatley, AU Osagie, **MS Boyne**, EYS Morrison, MH Ahmad, HN Asemota. “Low to intermediate-glycemic-index Caribbean foods reduces glycemia, cardiovascular and inflammatory markers in overweight persons with type 2 diabetes”. *Current Research in Nutrition and Food Science*. 3, 1 (2015): 36-45.
- **DS Thompson**, **TS Ferguson**, M Samms-Vaughan, **RJ Wilks**, DI Phillips, C Osmond, TE Forrester, **MS Boyne**. “Birth size is associated with nocturnal cortisol and glucose effectiveness in Afro-Caribbean adults”. *Clinical Endocrinology* (Oxford).82,3 (2015): 352-358
- **J Knight-Madden**, M Romana, R Villaescusa, et al. CAREST-Caribbean Network of Researchers on Sickle cell disease and Thalassemia: a model for multilingual regional integration for health promotion and research. *American Journal of Public Health* 106, 5 (2016):851-853.
- **TS Ferguson**, **DK Francis**, **SR McFarlane**,**MK Tulloch-Reid**, **RJ Wilks**, **NO Younger-Coleman**, NCD Risk Factor Collaboration. “Effects of diabetes definition on global surveillance of diabetes prevalence and diagnosis: a pooled analysis of 96 population-based studies with 331 288 participants”. *The Lancet Diabetes & Endocrinology*,

3,8 (2015):624-637. DOI: 10.1016/S2213-8587(15)00129-1.

- **D Francis, N Bennett, TS Ferguson, A Hennis, R Wilks, E Harris, M MacLeish, L Sullivan**, On behalf of the U.S. Caribbean Alliance for Health Disparities Research Group. “Disparities in cardiovascular disease among Caribbean populations: a systematic literature review”. *BMC Public Health*. 15, 1 (2015):828.
- **A. Bidulescu, D Francis, T Ferguson, N Bennett, A Hennis, R Wilks, E Harris, M MacLeish, L Sullivan**, U.S. Caribbean Alliance for Health Disparities Research Group. “Disparities in hypertension among black Caribbean populations: a scoping review by the U.S. Caribbean Alliance for Health Disparities Research Group (USCAHDR)”. *International Journal for Equity in Health* 2015, 14, 1 (2015):125.
- **IR Hambleton, C Howitt, S Jeyaseelan, MM Murphy, AJ Hennis, R Wilks, EN Harris, M MacLeish, L Sullivan**, U.S. Caribbean Alliance for Health Disparities Research Group (USCAHDR): “Trends in Longevity in the Americas: Disparities in Life Expectancy in Women and Men, 1965-2010”. *PloS ONE*, 10,6 (2015):e0129778. (**Ferguson TS** – member of U.S. Caribbean Alliance for Health Disparities Research Group [USCAHDR]).
- **MA Harris, N Younger-Coleman, TS Ferguson, JP Figueroa**. “Audit and feedback to improve the management of dyslipidemia in primary care in Jamaica: A randomized controlled trial”. *Global Journal of Medicine & Public Health*. 5,1(2015). Available at: www.gjmedph.org
- **NCD Risk Factor Collaboration (NCD-RisC)**. “Trends in adult body-mass index in 200 countries from 1975 to 2014: a pooled analysis of 1698 population-based measurement studies with 19.2 million participants”. *The Lancet*. 387,10026 (2016):1377-1396 (**TS Ferguson, DK Francis, SR McFarlane, MK Tulloch-Reid, RJ Wilks, NO Younger-Coleman** – members of NCD Risk Factor Collaboration).
- **NCD Risk Factor Collaboration**. “Worldwide trends in diabetes since 1980: a pooled analysis of 751 population-based studies with 4.4 million participants”. *The Lancet*. 387, 10027 (2016):1513-1530. (**TS Ferguson, DK Francis, SR McFarlane, MK Tulloch-**

- Reid, RJ Wilks, NO Younger-Coleman** – members of NCD Risk Factor Collaboration).
- IR Hambleton, C Howitt, S Jeyaseelan, MM Murphy, AJ Hennis, **R Wilks**, EN Harris, M MacLeish, L Sullivan, U.S. Caribbean Alliance for Health Disparities Research Group (USCAHDR): “Trends in Longevity in the Americas: Disparities in Life Expectancy in Women and Men, 1965-2010”. *PloS One*, 10,6 (2015) :e0129778. (TS Ferguson – member of U.S. Caribbean Alliance for Health Disparities Research Group [USCAHDR]).
 - NCD Risk Factor Collaboration (NCD-RisC). “Trends in adult body-mass index in 200 countries from 1975 to 2014: a pooled analysis of 1698 population-based measurement studies with 19.2 million participants”. *The Lancet*. 387,10026 (2016):1377-96 (TS Ferguson, DK Francis, SR McFarlane, MK Tulloch-Reid, RJ Wilks, NO Younger-Coleman – members of NCD Risk Factor Collaboration).
 - NCD Risk Factor Collaboration. “Worldwide trends in diabetes since 1980: a pooled analysis of 751 population-based studies with 4.4 million participants”. *The Lancet*. 2016; 387, 10027 (2016):1513-30. (TS Ferguson, DK Francis, SR McFarlane, MK Tulloch-Reid, RJ Wilks, NO Younger-Coleman – members of NCD Risk Factor Collaboration).
 - NCD Risk Factor Collaboration. A century of trends in adult human height. *eLife*. 5: e13410 (2016). Available at DOI: <http://dx.doi.org/10.7554/eLife.13410> (TS Ferguson, DK Francis, SR McFarlane, MK Tulloch-Reid, RJ Wilks, NO Younger-Coleman – members of NCD Risk Factor Collaboration).
 - AE Sumner, MT Duong, PC Aldana, M Ricks, MK Tulloch-Reid, JN Lozier, ST Chung, DB Sacks. “A1C Combined With Glycated Albumin Improves Detection of Prediabetes in Africans: The Africans in America Study”. *Diabetes Care*. 39, 2 (2016):271-7. doi: 10.2337/dc15-1699. Epub 2015 Dec 17. *PubMed PMID*: 26681716; *PubMed Central* PMCID: PMC4876771.
 - CA Cunningham-Myrie, KP Theall, NO Younger, EA Mabile, MK Tulloch-Reid, DK Francis, SR McFarlane, GM Gordon-Strachan,

- RJ Wilks.** “Associations between neighborhood effects and physical activity, obesity, and diabetes: The Jamaica Health and Lifestyle Survey 2008”. *Journal of Clinical Epidemiology*. 68, 9 (2015):970-978. doi:10.1016/j.jclinepi.2014.08.004. Epub 2015 Apr 22. *PubMed PMID*: 25910912.
- **RJ Wilks.** “Epidemiology is an important contributor to clinical and public health practice in the Caribbean”. *Journal of Clinical Epidemiology*. 68, 9 (2015):1101-1104.
 - **MK Tulloch-Reid.** “The University of the West Indies Clinical Epidemiology Unit: collaborating to improve health”. *Journal of Clinical Epidemiology*. 68, 9 (2015):1099–1100. doi: 10.1016/j.jclinepi.2015.104.012.
 - R. Melbourne-Chambers, D Clarke, G Gordon-Strachan, J Tapper, **MK Tulloch-Reid.** “The UWIMONA Pediatric Epileptic Seizure Screening Questionnaire was equivalent to clinical assessment in identifying children with epilepsy”. *Journal of Clinical Epidemiology* 68, 9 (2015):988-993. doi: 10.1016/j.jclinepi.2014.10.014.
 - AO Abdulkadri, **MK Tulloch-Reid**, DK Francis, GM Gordon-Strachan, **NO Younger-Coleman**, KD Rocke, **SR McFarlane**, CA Cunningham-Myrie, **TS Ferguson**, **RJ Wilks**, SG Anderson. “WHO/ISH total risk approach for primary prevention of cardiovascular disease shows greater decrease in costs for women but not the elderly in Jamaica”. *Journal of Clinical Epidemiology* 68, 9 (2015):994-1001. doi:10.1016/j.jclinepi.2014.11.027.
 - **TS Ferguson**, **NO Younger-Coleman**, **MK Tulloch-Reid**, **JM Knight-Madden**, **NR Bennett**, M Samms-Vaughan, D Ashley, A McCaw-Binns, OR Molaodi, JK Cruickshank, S Harding, **RJ Wilks.** “Birth weight and maternal socioeconomic circumstances were inversely related to systolic blood pressure among Afro-Caribbean young adults”. *Journal of Clinical Epidemiology* 68, 9 (2015):1002-1009.
 - JP Duncan, P Weir, S Strachan, **MK Tulloch-Reid.** “Opportunities for reducing morbidity and mortality due to leading cancers in a developing country”. *Journal of Public Health (Oxford)* 37, 4(2015):688-690.

- **SM Chang, SM Grantham-McGregor, CA Powell, M Vera-Hernández, F Lopez-Boo, H Baker-Henningham, SP Walker.** “Integrating a Parenting Intervention with Routine Primary Health Care: A Cluster Randomized Trial”. *Pediatrics*. 136, 2(2015):272-280. 10.1542/peds.2015-0119.
- **SP Walker, CA Powell, SM Chang, H Baker Henningham, SM Grantham McGregor, M Vera Hernández, F Lopez Boo.** “Delivering parenting interventions through health services in the Caribbean: Impact, acceptability and costs”. *InterAmerican Development Bank Working Series (Social Sector, Social Protection and Health Division)*. (2015)
- **KK Lacey, DM Mouzon, IO Govia, N Matusko, I Forsythe-Brown, JM Abelson, JS Jackson.** “Substance Abuse among Blacks across the Diaspora. *Substance Use & Misuse*. 51, 9 (2016):1147-1158.
- **BF Morrison, W Aiken, R Mayhew, Y Gordon, M Reid.** Prostate Cancer Screening in Jamaica: Results of the Largest National Screening Clinic. *Journal of Cancer Epidemiology*. 2016 (2016):2606805.
- **C Cunningham-Myrie, A Abdulkadri, A Waugh, S Bortolusso Ali, LG King, J Knight-Madden, M Reid.** Hydroxyurea use in prevention of stroke recurrence in children with sickle cell disease in a developing country: A cost effectiveness analysis. *Pediatric Blood & Cancer*. 62, 10 (2015):1862-1864.
- **GB Ehret, T Ferreira, CA McKenzie et al.** The genetics of blood pressure regulation and its target organs from association studies in 342,415 individuals. *Nature Genetics*. 48, 10 (2016):1171-1184.
- **EM van Leeuwen, A Sabo, CA McKenzie et al.** Meta-analysis of 49 549 individuals imputed with the 1000 Genomes Project reveals an exonic damaging variant in *ANGPTL4* determining fasting TG levels. *Journal of Medical Genetics*. 53, 7 (2016):441-449.
- **Y Lu, FR Day, CA McKenzie et al.** New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. *Nature Communications* 7:10495 (2016).
- **CC Kao, JW Hsu, P Dwarkanath, JM Karnes, TM Baker, KM**

Bohren, A **Badaloo**, MM Thame, AV Kurpad, F Jahoor. Indian women of childbearing age do not metabolically conserve arginine as do American and Jamaican women. *The Journal of Nutrition*. 145,5 (2015):884-892

Technical Reports

- C. Cunningham-Myrie, T **Royal-Thomas** and M **Reid**. Assessing Use of the Papine Park in St. Andrew, Jamaica using The System for Observing Play and Recreation in Communities (SOPARC): Baseline study for the Papine University Town project. The University of the West Indies, Mona, November 2015.
- C Cunningham-Myrie, T **Royal-Thomas** and M **Reid**. Assessing Use of the Emancipation Park in St. Andrew, Jamaica using The System for Observing Play and Recreation in Communities (SOPARC). The University of the West Indies, Mona, May 2016.

INCOME GENERATION

Monika Asnani

1. Title: **Integrative global research on sickle cell disease.**
Funding Agency: Bass Connections Grant, Duke University
Value: US\$22,500
Co-Investigator: Monika Asnani
Period: July 1, 2014-June 30, 2015. Renewed for July 1, 2015-June 30, 2016 with a grant of US\$22,500
2. Title: **‘CIJA Study’. Chronic Illness in Jamaican Adolescents.**
Funding Agency: UNICEF Grant
Co-Investigator: Monica Asnani
Value: US\$ 35,000
Period: August 1, 2014

3. Title: **Integrating a parenting intervention with routine care to improve parental psychosocial functioning and early developmental outcomes in children with sickle cell disease.**

Funding Agency: Grand Challenges Saving Brains grant

Co-Investigator: Monika Asnani

Value: CDN \$178,000

Period: October 1, 2014–October 2016

Jennifer Knight-Madden

1. Title: **A Phase II, Multicenter, Randomized, Placebo-Controlled, Double-Blind, 12-Month Study to Assess Safety and Efficacy of SelG1 With or Without Hydroxyurea Therapy in Sickle Cell Disease Patients with Sickle Cell-Related Pain Crises (SUSTAIN)**

Funding Agency: Selexys Pharmaceuticals

Value: USD\$70,000 (estimated)

Period: 2014–2016

2. Title: **Decreasing preventable childhood mortality due to sickle cell disease in Jamaica (MDG4)**

Funding Agency: National Health Fund

Value: J\$10,000,000

3. Title: **Integrating a parenting intervention with routine care to improve early developmental outcomes in children with sickle cell disease and decrease maternal stress.**

Funding Agency: Grand Challenges Canada

Value: C\$178,101

4. Title: **Brazil, Jamaica, PAHO**

Funding Agency: Ministry of Health, Brazil through PAHO

Value: USD\$200,000

Period: 2014–2016

Angela Rankine-Mullings

1. Title: **New Initiative Grant for the project, “A cost benefit analysis of early interventions in sickle cell disease”**
Value: \$1.5 million (Jamaican currency)
Period: August 2014
Asha Badaloo
2. Title: **Bioavailability of proteins from plant based diets.**
Funding Agency: IAEA
Contract No: 19284
Role: Principal Investigator
Period of Award: Sep 2015–Sep 2020
Amount per year: 10,000.00 Euro
3. Title: **Improving the quality of life of older people through the early diagnosis of sarcopenia in Latin America & the Caribbean- a regional project**
Funding Agency: IAEA
Contract No: RLA/6/073
Role: Principal Investigator
Period of Award: Sep 2014–Sep 2017
Amount: 65,769 Euro

Marvin Reid

1. Title: **Expanding Treatment for Existing Neurological Disease (EXTEND) – an open label Phase II clinical trial to investigate the effects of hydroxyurea on the TCD velocities of children with sickle cell anemia and a conditional or abnormal pre-treatment TCD velocity.**
Funding Agency: Cincinnati Children’s Hospital Medical Center
Value: USD\$86,491 annually
Period: 2014–2016

PUBLIC SERVICE

Monika Asnani

- Co-Chair, Caribbean Primary Care Research group (CAPCRG), Caribbean College of Family Physicians. 2015-Present
- Caribbean Representative to Worldwide Initiative on Social Studies in Hemoglobinopathies (WiSSH) since 2012.
- Board Member of Caribbean Network of Researchers in Sickle Cell Disease and Thalassemia since 2014
- Conference Chairperson. IVth Caribbean Congress on SCD. Held at Jamaica Conference Centre, Kingston, Jamaica. January 20–22, 2016
- Academic Editor, Plos One Journal. July 2014–Present

Angela Rankine-Mullings

- Member of Jamaica Pain Collaborative – November 2012–Present

Jennifer Knight Madden

- Ministry of Health Sickle Cell Technical Working Group 2014-current.
- Ministry of Health Asthma Technical Working Group 2015-current
- Sickkids Caribbean Initiative – Co-chair Sickle Cell Disease Working Group
- Search & Selection Committee- President of the University of Technology 2015–2016

Tamika Royal-Thomas

- Elected First Vice President for the Jamaica Statistical Society for the period 2016–2018.
- Judge for the National Health Research Conference put on by the Ministry of Health, November 2015 – judged oral and poster presentations and chose prize winners for the best oral and poster presentations.

- Chair of Scientific Committee & Planning committee member – Jamaica Statistical Symposium & Pre-conference workshop, October 2015.

Michael Boyne

- First Vice-President, Association of Consultant Physicians of Jamaica
- Member, Board of Diabetes Association of Jamaica
- Member, Council of the Developmental Origins of Health and Disease (DOHAD)
- Reviewer for the following medical journals:

Journal of DOHAD

Journal of Clinical Endocrinology Metabolism

Diabetes Care

West Indian Medical Journal

Diabetology & Metabolic Syndrome

Journal of Pediatrics

Endocrine

PlosOne

Experimental Biology and Medicine

- Member, National Health Fund Expert Panel of Physicians
- Appointed as a Fellow of the Royal College of Physicians London
- Panel Advisor, PAHO/WHO/CHRC Technical working group on the guidelines for the management of diabetes for the Caribbean, 2013-2015
- Resource person to deliver endocrinology lectures and present conduct workshops for:

Medical Association of Jamaica

University Diabetes Outreach Programme

Caribbean College of Family Physicians

Tropical Medicine Research Institute

Pharmacy Society of Jamaica

Association of General Practitioners of Jamaica

Marshall Tulloch-Reid

- Jamaica Ministry of Health - Chickungynya Research Committee
- Caribbean Endocrine Society- Immediate Past President
- Support group for children with diabetes and their families

Shelly McFarlane

- Research Day Committee
- Jamaica Statistical Society- Treasurer
- Member of Kiwanis Club
- Support group for children with diabetes and their families

Damian Francis

- Committee of Professions Supplemental to Health
- Research Day Committee
- Jamaica Association of Professionals in Nutrition and Dietetics (JAPINAD) Executive

Rainford Wilks

- Healthy Caribbean Coalition
- Heart Foundation of Jamaica
- Chairman, Gibson-McCook Relays
- Essential National Research Committee

Susan Chang-Lopez

- Early Childhood Commission

Novie Younger-Coleman

- Jamaica Statistical Society (Vice President)

Trevor Ferguson

- Association of Consultant Physicians Executive – Treasurer

Marvin Reid

- – Caribbean College of Family Physician – President elect

STUDENTS

Dr. Nadia Bennett was awarded a Wellcome Trust Training Fellowship.

Dr. Shelly McFarlane successfully defended her PhD Epidemiology programme.

MONA AGEING AND WELLNESS CENTRE



Professor D. Eldemire-Shearer
Head

WORK OF THE MONA AGEING AND WELLNESS CENTRE

During the year under review, the Mona Ageing and Wellness Centre (MAWC) continued its mandate of improving the health and wellness of the older adult population nationally and regionally through novel ageing-related research, teaching and community outreach.

RESEARCH

MAWC aims at forging research collaborations with national, regional and international institutions or organizations to create interdisciplinary teams that will best allow for an innovative gerontology research trajectory. Research activities in the MAWC for the year in review centred on the epidemiology, pathophysiology, biomedical (e.g. chronic diseases and geriatric giants), psychology and socioeconomic (caregiving, residential

care, leisure activities, family support) aspects of ageing. These research projects include:

1. Health and Social Status of Older Persons

In component I, a community-based survey of 2,943 persons, 60 years was completed in 2012. The project was funded by National Health Fund, The survey aimed to elucidate the health, social and economic status of older persons nationally with supportive qualitative data on caregiver issues. Anthropometric and biomedical assays were also completed on a subset of the sample. This project continues in the dissemination of information with several articles already published, accepted or submitted to peer-reviewed journals.

Component II, a community-based survey of 300 persons, 60 years and over is currently underway, working closely with an international radiologist, Dr. Peter Johnson, and a MRI facility and psychiatrist Dr. Roger Gibson. The goals of the project are to determine the types of dementia among a population of older adults with screen-positive and screen-negative cognitive impairment. The initial goal has been modified after the full funding for the project was not achieved. The analysis of the data and the recommendations emerging may point to major issues to be addressed and may recommend future policy directions and initiatives. Preliminary findings suggest that the study will also provide critical information on stroke and raised intracranial pressure. The research was approved by the UHWI/UWI/FMS Ethics Committee and has received funding from the National Health Fund. Eldemire-Shearer (PI) (\$6 million)

2. Sexual and Genitourinary Health Profile of Older Adults aged 50 years and above

This project, funded by the Principal's New Initiative Grant, is in collaboration with the Department of Obstetrics and Gynaecology (Professor Horace Fletcher, Dean FMS) and Department of Surgery, Radiology, Anaesthesia and Intensive Care-Section of Surgery-Division

of Urology (Dr. William Aiken, Urology). The main aims of the project are to: a) identify the major gynaecological and urological issues for which older adults seek care, and b) document older adult's perceptions and practices in relation to sexuality and ageing. Data collection for the first phase is complete and analysis has begun. This project will contribute to Mrs. Tyndale's PhD. Willie-Tyndale (PI) \$1.5 million.

TEACHING

Teaching is a core function of the MAWC. All members of the academic staff taught across all undergraduate and postgraduate programmes of the Department of Community Health and Psychiatry in subjects such as research methods, epidemiology, primary health care, health management and gerontology/geriatrics.

During the year of review, the MAWC in association with the Department of Community Health and Psychiatry continued in teaching in two programmes of Gerontology – Master of Public Health in Gerontology and the Post Graduate Diploma in Gerontology. These programmes are the only ones of their kind in the English-speaking Caribbean. There were two (2) students for the Master of Public Health in Gerontology and one (1) student in the Post Graduate Diploma in Gerontology.

COMMUNITY SERVICE

An important component of the MAWC activities is services for older persons, their relatives, caregivers, schools and communities in general. The MAWC community activities are geared towards providing services that improve the social, psychological and physical well-being of these groups.

Computer classes

Computer classes for older adults have continued with several groups of older persons attending and completing courses. The classes, which are offered at a minimal cost, are focused on introducing older adults to

computers, typing documents, browsing the internet, creating and accessing email. In their assessment of the course and teachers, the seniors overwhelmingly thought that the content was excellent and delivered at an appropriate level. They assessed the teachers as being competent and patient. For the period under review 20 older adults attended classes for introductory and advanced computer skills.

Gym

The Rotary Club of St. Andrew and the British High Commission sponsored the equipment for a gym for older adults on campus and in surrounding communities. An exercise programme began in January 2014 in collaboration with the School of Physical Therapy, UWI and the Department of Community Health, Health Centre. In order to participate in the activities, persons aged 50 years and older need to receive medical clearance from their physician as well as sign consent and photo-release forms. Older adults who are cleared medically and have signed the necessary forms undergo a screening process by physiotherapist Dr. Gordon. This allows for individualized intervention. The exercise programme is overseen by Dr. Gordon and her colleague Ms. Williams, along with physiotherapy students in the clinical component of their programme.

Information

The Mona Ageing and Wellness Centre in keeping with its mandate of providing current, accurate and evidence-based gerontology information for the public, continued in revising and introducing new brochures. The process will continue in identifying other important topics for brochure production. This initiative was led by Mrs. Julian McKoy-Davis.

The Mona Ageing and Wellness Centre, has continued the online initiative with its Facebook page <https://www.facebook.com/uwimawc> - to provide a mechanism of disseminating valuable information to the public on topical issues in ageing. The web page also allows for mutual

exchanges between the Centre and our stakeholders. This initiative was led by Mrs. Douladel Tyndale.

PAPERS PRESENTED

- **Denise Eldemire-Shearer.** “Aging and Wellness in support of our work with women of all ages and stages in the different seasons of their lives”: Presented at Jamaica Baptist Women’s Federation, February 26, 2016.
- **Denise Eldemire-Shearer.** “Responsive Health Sector: Technology and Persons with Disabilities”: Presented at Centre for Disability Studies, March 17, 2016.
- **Denise Eldemire-Shearer.** “Retirement! A New Beginning”: Presented at Lifestyle Statin Planning Retirement Seminar, March 29, 2016.
- **Denise Eldemire-Shearer.** “Social, Psychological And Medical Issues Associated With Retirement”: presented at WIGUT pension Seminar, multifunctional room at the main library, April 22, 2016.
- **Denise Eldemire-Shearer.** “Ageing Successfully, Senior Citizens’ Talk”: Presented at Meadowbrook/Havendale Senior Citizens Meeting, Border Ave Community Centre, April 28, 2016.
- **Denise Eldemire-Shearer.** “Older Persons In Jamaica: What Health Professionals Need to Know”: Presented at Medical Association of Jamaica’s Opening, Ceremony held at the Jamaica Pegasus Hotel, June 2, 2016.
- **Denise Eldemire-Shearer.** “What Do Over 50 Years Olds Need And Why”: presented at Pharmaton Supplementation in the over 50 Brand launch, Grand Caribbean Suite, Knutsford Court Hotel, June 16, 2016.
- **Denise Eldemire-Shearer.** “Ageing: Developing Teaching Programme, UWI Jamaica”: presented at 68th Annual Scientific Meeting of The Gerontological Society of America, U.S.A, Orlando, FL, 18–22 November 2015.
- **Denise Eldemire-Shearer.** “Health and Wellness: The Changing Role For/Of Higher Education Administrators” presented at The

Association of Caribbean Higher Education Administrators 15th Annual Conference 'Higher Education Vulnerabilities: A Caribbean Response', July 7–9, 2016. Jewel Runaway Bay Beach and Golf Resort – St. Ann, Jamaica.

- **J. McKoy Davis**, D. Eldemire-Shearer, K. James. “Perceived Levels of Financial Wellness and Distress in Preparation for Retirement/Old Age Among Jamaicans 30-80 Years Old”. International Federation on Ageing 13th Global Conference, Brisbane, Australia June 21–23, 2016. Oral Presentation.
- K. Mitchell-Fearon, **J. McKoy Davis**, H. Laws, A. Abdulkadri, D. Eldemire-Shearer. “Can we Afford this Bill? The Economic Burden of Hypertension in Older Jamaicans”. Ministry of Health’s 6th Annual National Health Research Conference. Oral Presentation.
- **D. Tyndale**. “The Role of Primary Health Care Professionals in Detecting Abuse and Neglect. Caribbean Conference on Ageing, Elder Abuse and the Rights of Older Persons”. Roseau, Dominica, November 30–December 01, 2015. Oral Presentation
- **D. Tyndale**. “Sexual Health for Ageing Men. International Men’s Health Week”. National Council for Senior Citizens, Kingston, Jamaica, June 16, 2016. Oral Presentation.
- **D. Tyndale**. “Correlates of Pelvic Floor Disorders in Women 50 years and over attending Gynaecology and urology clinics in Kingston, Jamaica”. Paper presented at the 61st Annual CARPHA Health Research Conference held in Providenciales, Turks and Caicos Islands, June 23–25, 2016.

PUBLICATIONS

- K Mitchell-Fearon, **D Willie-Tyndale**, **N Waldron**, D Holder-Nevins, K James, H Laws, & D Eldemire-Shearer. Cardio-Vascular Disease and Cancer: A Dichotomy in Utilization of Clinical Preventive Services by Older Adults in a Developing Country. *Gerontology & Geriatric Medicine*, 1–12 (November, 2015).
- Asemota, **D Eldemire-Shearer**, **NK Waldron**, A Standard-Goldson.

Prevalence of Self-reported Urinary Incontinence in Community-dwelling Older Adults of Westmoreland, Jamaica. *MEDICC Review* 18, 1–2, (January–April 2016).

- **D Willie-Tyndale**, D Holder-Nevins, K Mitchell-Fearon, K James, H Laws, N Waldron, & **D Eldemire-Shearer**. Participation in Social Activities and the Association with Socio-Demographic and Health-Related Factors among Community-Dwelling Older Adults in Jamaica. *Journal of Cross Cultural Gerontology*, (July 2016):1-21 DOI: 10.1007/s10823-016-9297-x.

Technical Reports

- **D Eldemire-Shearer**, “Multi-sectorial Action for a Life Course Approach to Healthy Ageing Draft’ Global Strategy & Plan of Action on Ageing & Health Brief” Prepared for the Ministry of Health Jamaica, for Agenda Item 13.4 (69th World Health Assembly, 23–28 May 2016, Geneva, Switzerland)

INCOME GENERATION

- **Denise Eldemire-Shearer**, NHF Component II: Study to Determine Types of Dementia funded by NHF (6 million)

PUBLIC SERVICE

MAWC academic staff have served the public in various organizations nationally and internationally including

Professor D. Eldemire-Shearer

- Fellow, Gerontological Society of America
- Member, International Federation of Ageing
- Patron, National Council for Senior Citizens
- Chairman, Caribbean Community of Retired Persons
- Director, HelpAge Jamaica
- Member, Central Health Committee – Ministry of Health

- Member, Medical Association of Jamaica
- Member, West Indies Medical Journal Editorial Board
- Member, Ministry of Health – Task Force Mental Health & Homeless
- Chairman, Sub-committee Homeless & Mental Health Homeless Task Force
- Member, National Steering Committee 10 Year Development Plan
- Member, University Hospital of the West Indies Board

Dr. Norman Waldron

- Programme Director, HelpAge Jamaica
- Reviewer, McMaster Online Rating of Evidence (MORE)

Mrs. Douladel Tyndale

- Member, Gerontological Society of America
- Member, HelpAge Jamaica
- Reviewer, *West Indies Medical Journal*

Mrs. Julian McKoy Davis

- Member, Gerontological Society of America
- Member, HelpAge Jamaica
- Member, Technical Review Panel of the National Policy for Senior Citizens
- Board Member, National Council for Senior Citizens

STUDENTS

The MAWC in association with the Department of Community Health and Psychiatry accepted two part-time (2) students in the Master of Public Health in Gerontology and one (1) student in the Post Graduate Diploma in Gerontology in this academic report. All students have progressed through their courses and the lone student in the Post Graduate Diploma in Gerontology will graduate this year. The other students will continue their education into the next year.

WESTERN JAMAICA CAMPUS

Montego Bay

Year ending July 31, 2016



PATRICK PRENDERGAST, MA (CSBC)
Acting Campus Director

– Overview –

Throughout the 2015/2016 academic year, the faculty and staff of the UWI Mona-Western Jamaica Campus embarked on several initiatives which have supported the University's strategic perspectives and the thrust towards making the University of the West Indies an agent of positive transformation in national and regional development. The 2015/2016 academic year was framed within the theme, Partnerships for Development, which aligned well with that of the main campus and manifested itself in the efforts highlighted in this report.

These include improved administrative processes related to student registration and records; employee exposure to social and professional development; new initiatives in student financing, advanced training in research and teaching techniques for the academic staff; upgrading of the multi-media systems and ICT platforms used for teaching, increased participation of the academic departments, faculty, and students in public engagement and outreach; as well as upgrade in the physical plant to further enhance the service to our students and various publics with which the Campus interface.

Of special note are initiatives introduced to enhance student leadership, skills in public speaking, professional etiquette and networking, as well as career placement. Financial support to our students was bolstered with the establishment of new academic scholarships and bursaries, such as the Emile Martin Scholarship valued at US\$3,000.

Both students and faculty increased their community engagement through closer collaboration with main campus units such as Mona Law Institutes, Mona Office for Research & Innovation, Mona Social Services, and the UWI Community Film Project. The campus has also been the driving force behind the establishment of the Association of Western Jamaica

Tertiary Institutions, as well as creating new platforms for engagement of tertiary level students locally and internationally with the growing population of the UWI, Mona–Western Jamaica campus.

CONFERENCE PAPERS

- **Waugh-Brown, Veronica**, et al. “Killing Three Birds with One Stone: Implementing a Nursing Research, Education and Practice Programme” AACNs 2016 Doctoral Education Conference, Naples Grande Beach Resort (January 21, 2016)
- **Parkins, Cleopatra**. “A Comparative Study of the Ethical Issues in Youth Work in Jamaica, Australia, New Zealand and the United Kingdom”. Commonwealth Youth Conference in Pretoria, South Africa (March 2016)

PUBLICATIONS

- **Anderson, Ricardo**, & Mansingh, Gunjan. (2016). “Towards a Comprehensive Process Model for Transitioning MIS to KMS”. In *International Journal of Knowledge Management (IJKM)*, 12(1), 1–25, IGI Global.
- **Anderson, Ricardo**, & Mansingh Gunjan. (2016). “KMI-IWS: Towards a Framework for a Knowledge Management Initiative Intelligent Work-Flow System”. In *COGNITIVE 2016, The Eighth International Conference on Advanced Cognitive Technologies and Applications*, 129–133, IARIA.

INCOME GENERATION

In an effort to diversify the University’s income streams, the UWI Mona-WJC occasionally rented its facilities and classrooms as venues for events staged by external entities. This has generated approximately JA\$1.01 million. Additionally, the WJC Library generated a total of \$956,564.00 from services such as printing, photocopying, binding and laminating. The amounts collected were remitted to the Main Library, UWI Mona Campus.

In the coming year WJC will need to review the processes involved in ensuring that the income generated from Summer School are allocated to an appropriate WJC fund. The 2015 Summer school saw an increase in registration over 2014 of approximately 54% with 306 registrations across 16 courses and generating roughly JA\$8 million.

STUDENT FINANCIAL ASSISTANCE

The main sources of funding for student assistance came from the newly established Doctors Cave Beach Club's Emile Martin Scholarship (US\$3,000) as well as continuing partners MAICAN Impact Foundation Scholarship (CA\$5,000) and the MoBay City Run Grants (JA\$1.2 million).

PUBLIC SERVICE

- **Ms. Inderia Adjudah**, WJC Administrative Office, represented the Jamaica Association of Administrative Professionals at several functions and participated in their annual retreat and convention. She also conducted two workshops for the St. James Chapter of Jamaica Association of Administrative Professionals at the Heart Academy, Kenilworth Campus and at the Western Regional Health Authority.
- **Mr. Patrick Prendergast** was re-elected a Director of the Montego Bay Chamber of Commerce and Industry with responsibility for youth, sports and culture. He is also the Interim Chairman of the Association of Western Jamaica Tertiary Institutions which brings together the administrators of the tertiary education sector from Falmouth to Savanna-la-Mar.
- **Mr. Norty Antoine**, Instructor in the department of Language, Linguistics and Philosophy along with Ms. Nicole Plummer and Mr. Hugh Douse, Assistant Lecturers in the Institute of Cultural Studies contributed to the Ministry of Youth and Culture Western region consultation on the National Culture Policy in November 2015.

INTERNAL OPERATIONS

The UWI Mona-WJC has put in place a ‘One Stop Centre’ where all student issues related to admissions, course registration and bursary could be handled in a central area. Along with adjustments to the focus and content of new students’ orientation, the campus has seen an improvement in students’ receptiveness to academic advising and reduced the issues of misunderstanding or lack of communication usually associated with registration and examinations. It also resulted in less online challenges, healthier cooperation between the SRU, SAS and the various faculty offices, and improved records keeping, reduction in grade-change forms, and an increase in revenues from late fee payment.

OUTREACH

For the 2015–16 academic year, the campus sought to increase its involvement in and partnership with the communities in and around Montego Bay. To accomplish this, the campus embarked on initiatives that also brought about closer collaboration with various units of the main campus which helped to solidify both our presence and contribution to the social transformation of the wider Montego Bay region. For example, WJC collaborated with the Mona Social Services in leading the PIOJ Community Reasoning series for Montego Bay and which involved three sessions with the elderly, youth, and professionals on the campus.

Additionally, The UWI Mona-WJC staged its first Principals Luncheon engaging the principals and senior administrators from high schools with new sixth form in Western Jamaica. This outreach initiative was geared towards assisting with the development of these new sixth form programmes emerging across the region and ensuring the quality of those who are likely to be part of the increasing number of students who matriculate to the university.

Other initiatives of note include:

- The UWI Community Film Project extending its reach from 2 to 7 communities and producing 14 graduates from across the communities

of Salt Spring, Rosemount, Rose Heights, Flanker, Norwood, Glendevon in St. James and Johnson Town in Hanover.

- Installment of the second cohort of the WJC Ambassadorial Corps on May 20, 2016. The WJC Ambassadorial programme evolved from a student initiative with the specific goal of positioning the nascent campus at front of mind among the influential class in Western Jamaica. The objective is to have the economic, social and cultural powerbrokers from across the Western region as advocates for the UWI Mona-WJC promoting the campus as the preferred choice for global education and professional development. The tenure of this group will run from May 2016 to April 2018.
- The WJC students partnered with the Rotary Club of Montego Bay and the Montego Bay Marine Park in the 'All Island Beach Clean-up Day' on September 12, 2015.
- First Year Experience Students at WJC volunteered 20 hours of service to various Homes for the Elderly, Children's Home, Community Centres and CUMI (Community for the Upliftment of the Mentally Ill).
- Shift in the communication strategy led to increased institutional presence in a more broad-based media landscape covering the traditional mainstream and the more contemporary social media platforms. Advertising campaigns, press releases, features and blogs, news reports, posts and discussion forums directly and indirectly related to the UWI Mona-WJC were employed. A media tactic to be noted was the My City, My MoBay, My UWI Mona-WJC print and radio advertising campaign during Semester One.
- Introduction of the Black My Story Monday Lecture Series in February 2016 featured Dr. Orville Taylor (Department of Sociology, Psychology and Social Work), Dr. Christopher Malcolm (Mona Law Institutes), Ms. Nicole Plummer (Institute of Caribbean Studies), and Rev. Dr. Gerard Reid. This series was precluded by The Educators Forum on Development Issues Impacting the West and had presentations from Dr. Simon Clarke (Culture), Dr. Angela Samuels-

Harris (Education) Dr. Denarto Dennis (Economics) and Dr. Joseph Grannum of the University of Technology (Western Campus) moderated a youth forum which featured student leaders from the UWI Mona-WJC, UTECH-Western, Montego Bay Community College and Sam Sharpe Teachers College.

STUDENT ACHIEVEMENTS

The UWI Mona-WJC students continue to uphold the institution's reputation of excellence while serving as leaders in their respective areas of involvement on the campus and in the communities of Western Jamaica. Significant achievements over the 2015–16 academic year include:

- Ms. Jodi-Marie Hastings and Ms. Chelsea Ricketts became the first students of the UWI Mona-WJC to be accepted into the MSc. Clinical Psychology Programme at the UWIMona.
- Ms. Kimberly McKnight, undergraduate student pursuing a Major in Management Studies with a Minor in Economics was selected as the 2015 Valedictorian for the Faculty of Social Sciences.

CONCLUSION – MOVING TOWARDS THE 10TH

The theme for the coming academic year is Transforming for Growth. This is another step towards consolidating the partnerships for development agenda; but more critically to lay the foundation for evidencing the contribution UWI would have made to the overall development of the West by introducing the WJC project in 2008.

We will reimagine and recommit to the core values of Respect, Integrity, Excellence and Love.

We will move with certainty to introduce and upgrade the teaching and learning platforms, especially the ICTs as support and pedagogical tools. The aim is have the campus make a quantum leap towards becoming a truly SMaRT campus technologically and environmentally while developing the academic profile of a global campus of the future. We will therefore

continue to strengthen and streamline the administrative and student development processes; and have new academic programmes introduced as a way of increasing the student population.

Finally, The UWI Mona-WJC will take a more defined step towards becoming both a stronger advocate for cultural development in the city of Montego Bay and a Center of Cultural Excellence in the Western region. Our best lecturers will also be leading workshops in critical areas of study designed to help both students and teachers in their preparation for University. There will also be specialized and systematic interventions with those schools that have strong science programmes as we seek to plant the seed early that “UWI Mona-WJC is the future for university education” by exposing the very best of our faculty to the various communities of interest.



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