



THE UNIVERSITY
OF THE WEST INDIES
MONA CAMPUS



DEPARTMENTAL
REPORTS
2014/2015



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THE WEST INDIES

DEPARTMENTAL REPORTS

Mona

2014–2015

REPORT TO CAMPUS COUNCIL, MONA
AND TO COUNCIL
FOR YEAR ENDING JULY 31, 2015

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Cover photo: New Dental Lab in the Faculty of Medical Sciences. The lab integrates the DentSim technology in teaching which allows our students to get enough practice before seeing an actual patient.

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THE LIBRARY

Mona

Year ending July 31, 2015



PAULETTE KERR

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

Campus Librarian

– Overview –

The academic year 2014–2015 was a year of significant changes for the Mona Library. Campus Librarian, Mrs Leona Bobb-Semple, retired on September 30, 2014 after 36 years of sterling service to the University. In March 2015, the Library welcomed a new Campus Librarian, Dr Paulette Kerr, former Head of the Department of Library and Information Studies. In the intervening months, the Deputy Librarian, Ms Beverley Lashley, served effectively as Officer in-charge of the Library.

The severe financial constraints on the Campus impacted key resources and services including the Library’s offerings of essential research databases which were cancelled for non-payment. Initiatives at collection building, especially in West Indiana, were curtailed. Staff also felt the harsh brunt of the financial climate, and worked with less than ideal infrastructural conditions and tools.

Despite the challenges, the Library continued to ensure the delivery of quality services and products aimed at supporting and enhancing teaching and learning on the Campus. These included strengthening of, and increasing access to collections, information literacy training aimed at integrating essential competencies in students’ learning experience, and support to graduate students via thesis scrutiny and consultation.

Sustained operations led by the Mona Information Literacy Unit saw a marked increase in information literacy sessions across all libraries with

increases in specialized subject sessions. New and previously underserved academic programmes were targeted during the year.

The Library benefitted from numerous donations throughout the academic year, including the unexpected gift of multiple copies of Ray Chen's latest work, *Jamaica: My 50 Years in Photographs*, through the generosity of the Jamaica National Building Society. The value of gift collections cannot be underestimated as this surpassed the decreased expenditure on purchased print resources. Steady progress was made in providing greater access to the Library's unique research collections including the Nettleford, Figueroa and Olive Lewin collections.

Highlights of activities during the year include the formal handing over of the prestigious Trevor Rhone and Edward Seaga Collections in November 2014 and March 2015, respectively. The Library received international recognition with the inscription of the celebrated Roger Mais Collection in the UNESCO Memory of the World Latin America and the Caribbean Regional Register. In May, the Campus Principal met with Library Staff and conducted an extensive tour of the Main Library to gain first-hand view of the facilities.



Professor Archibald McDonald, PVC and Principal, on a tour of the Main Library.

Another high point during the year was a ‘Think Big’ initiative in which the new Campus Librarian invited staff to view the challenges being faced as opportunities to reflect and refocus on the future of the Library, especially in light of the Campus Principal’s goal of a world class university. Time was therefore taken to recast the Library’s vision, highlighting the value of the Library and envisioning the ideal academic library. In July, staff were engaged in strategic and operational planning to align the Library’s objectives with the 2012–2017 Operational Plan of the Campus and towards more efficient internal processes, rationalization of existing services and products (with decreasing budgets), and the development of new services to meet new needs.

The library bade farewell to two long-serving members of staff during the year. Campus Librarian, Mrs Leona Bobb-Semple, retired effective September 30, 2014. Ms Revene Hawthorne, Library Assistant III in the Science Branch Library retired effective September 27, 2014 after 32 years of service to the library.

Notable promotions during the period include Mr Robert Murray, Binder IV, who was promoted to Senior Binder, and Mr Cedric Palmer who moved from Technical Assistant/Cashier to Photographic and Instrument Technician effective April 1, 2015.

Several of the ATS staff were reassigned as vacancies occurred. In addition, Mrs Vergie Lee Lawson-Reid, Library Assistant, Loan and Reference and Ms Natalie Williamson, Library Assistant III, Acquisitions, were granted Study Leave with pay for the period September 2014 to May 2015 to complete their undergraduate studies. Ms Joan Clarke, Secretary III, Library Administration, was granted study leave with half pay for the period August 1, 2014 to July 31, 2016 to pursue a Master’s Degree in Management Information Systems at Loyola University in Chicago.

The period saw the resignation of Mrs Audrey Steele, Cleaner, West Indies and Special Collections, in November 2014, Mr Dennis Samuels, Library Clerk, Science Branch Library on January 5, 2015, and Mr Jerdaine Sterling, Librarian I in March 2015.

At the end of the year several posts at the professional level remained vacant.

COLLECTION DEVELOPMENT

Gifts

The stringent financial situation during the year severely impacted collection building initiatives which are essential for effective support of teaching, learning and research on the Campus. While there was a significant reduction in the purchase of resources especially in West Indian print material, the Library continued to benefit from valuable gifts from donors including faculty and students (past and present), researchers, notable regional citizens and well-wishers. The value of gifts received was approximately US\$47,131 or just over J\$5.5M. Of note was the donation of practitioner texts, law textbooks and treatises valued at J\$500,000 on February 11, 2015, by the President of the Jamaica Bar Association (JAMBAR), Mr Donovan Walker.

Table 1: Gift items added to the collection 2014–2015.

Branches	New Titles	Total Volumes	CD ROMS	DVD's	Audio Cass.
Main	528	832	3	3	60
Science	93	137			
Medical	92	116	4		
WISC	1027	1647	12	1	16
WJC	35	208	10	1	
LAW	19	27	3		
Total	1,794	2,967	32	5	76

THE LIBRARY

Table 2: Purchased items added to the collection

Branches	New Titles	Total Volumes	CD ROMS	DVD's
Main	102	122	1	
Science	15	19		2
Medical	28	35		
WISC	46	49	1	
WJC	35	56		
LAW	25	39		
Total	251	320	2	2



L to R: Mr Donovan Walker, President of JAMBAR; Ms Myrna Douglas, Head Law Branch Library; Ms Beverley Lashley, Deputy Librarian and Dr Derrick McKoy, Dean of the Faculty of Law, Mona.

E-Books, Serials and Databases

While the Library met its target of purchasing e-books for the general collection and to support course reading lists, it was unable to adequately purchase West Indiana e-resources, primarily because of the financial constraints. The Library ensured, however, that titles purchased from major vendors, EBSCO and Wiley, were obtained in single, three user, and unlimited user access formats, so that many of the titles were accessible to several users at the same time (similar to having multiple copies of a title).

The majority of the Library's journal subscriptions remained unpaid since 2013 and while access to a few journals was provided by some vendors, other services were cancelled. The Library also suffered a setback with the bankruptcy of a longstanding vendor of serial publications – SWETS. The decision was taken to transfer the current subscription of SWETS' 151 journal titles to EBSCO. A rationalization of the Library's journal subscriptions took place in November, and a number of journals were cancelled.

Databases also suffered the same fate with long delays in payment, the most notable being Science Direct which offers over 400 journal titles in varied areas of Science. The service was terminated in January 2015 for non-payment of the 2014 subscription. Access was granted later in 2015 after payment was made. Access was also lost to the Springer America's Collection of over 1400 science journals at the end of 2014 for non-payment of 2013 and 2014 subscriptions.

Credo, a reference database offering full text to over 600 reference titles was the only new database that was added to the Library's suite of databases during the year. As a result of this, the expensive Encyclopedia Britannica was cancelled since a condensed version is available via Credo.

ACCESS TO COLLECTIONS

As part of the strategic goal of the Mona Library, the Cataloguing Section continued its important work of enhancing the Single Virtual

Library Space by creating seamless access to resources via a number of initiatives. These initiatives include the provision of metadata for digital collections (including electronic theses), retrospective conversion of the Main Library's collection, and full implementation of the new international cataloguing standard RDA (Resource Description Access), a process which was introduced last year.

Work was done on cataloguing the John P O'Connell books (a gift of over 900 Caribbean titles) and the continued processing of the Rex Nettleford collection which allowed patrons access via UWILinC.

Digitization of Unique Caribbean Resources

A major project for the year was the adding of metadata to two historic map collections, **18th Century Jamaican Maps** and **Rare Maps of the West Indies** (pre-1900). The collections together include 75 individual maps, with the Rare Maps covering the Caribbean Area from Florida, through Central America, to the Southern part of South America, and the Greater and Lesser Antilles, with English, French, Spanish and Dutch demarcations.

UWIMINET

The Cataloguing Section continued to provide support services to members of UWIMINET, especially to Mona School of Business and Management and Sir Author Lewis Institute for Social and Economic Studies (SALISES).

Use of Collections

There continues to be a downward trend in the loan of print items with an increase in the use of e-resources. This pattern is in keeping with the global trend in the use of library resources.

Overnight issues declined by 4%, with actual figures falling from 21,472 in the previous reporting period to 20,621 in the current year. Reading room issues declined even more – 7%, while open shelf loans declined by

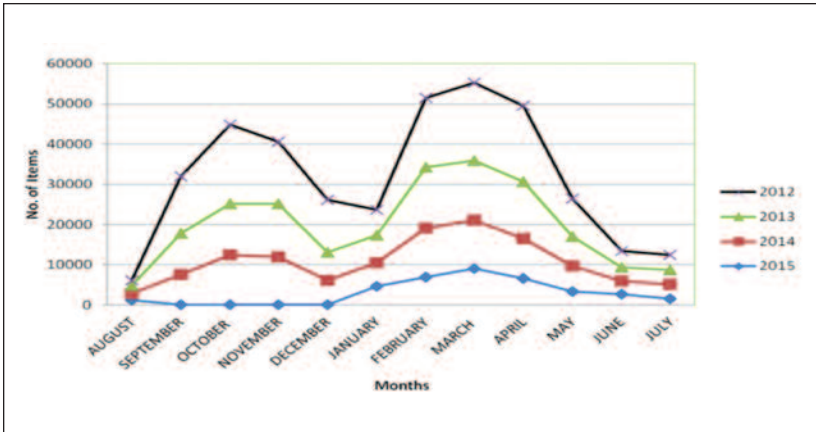


Figure 1: Comparative usage of the collection from 2012–2015

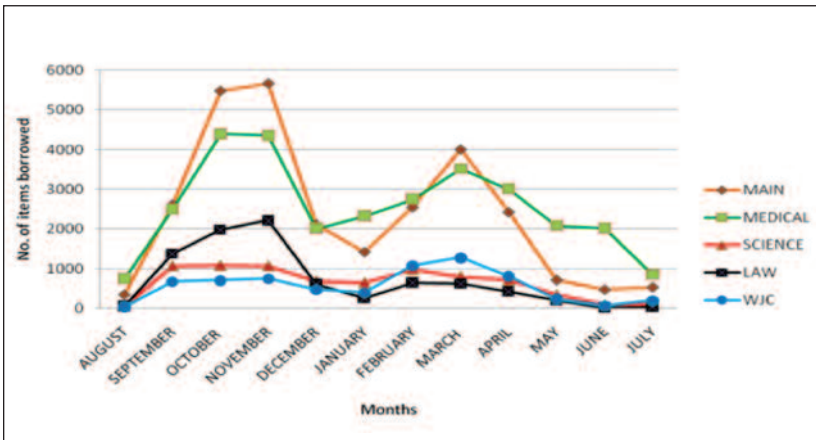


Figure 2: Items borrowed during 2014–2015

33%, falling from 15,626 to 10,520. On the other hand, use of electronic sources continued to increase.

The overall decline in the issuing of resources in the library may be attributed to more students accessing electronic books and articles via UWIlInC which is borne out by the statistics for database use.

THE LIBRARY

Table 3:

Database Title	Searches	Full Text Downloads	Abstract Downloads
EBSCO Host	128,995	80,098	35,387
ProQuest	–	53,845	10,216
Credo	2581	–	–
Emerald	–	7,214	–
SciFinder	5,402	2,172	–

Five of the top ten print books issued this year were published by UWI staff while all of the top ten electronic books were produced by UWI staff.

Top Ten Print Books

Title	Number of Times Borrowed
Principles of Marketing	701
Fundamentals of Analytical Chemistry	648
Blooming with the Pouis: Critical thinking, reading and writing across the curriculum	627
Inorganic Chemistry	604
Gender in the 21st Century: Caribbean perspectives, vision and possibilities	544
International Organizations: The politics and processes of global governance	512
Winner takes all: The Westminster experience in the Anglophone Caribbean	505
Caribbean Sociology: Introductory readings	453
Organic Chemistry	413
Caribbean Freedom: Economy and society from emancipation to the present – A student reader	410

Top 10 E-Book Usage

Title	Full Text Usage
Inna Di Dancehall: Popular Culture and the Politics of Identity in Jamaica	354
Commonwealth Caribbean Contract Law	313
Man Vibes: Masculinities in the Jamaican Dancehall	275
Caribbean Sociology: Introductory Readings	258
An Introduction to Politics: Lectures for First Year Students	239
Introduction to Caribbean Politics	180
Gangs in the Caribbean	173
Sound Clash: Jamaican dancehall culture at large	165
Understanding Crime in Jamaica: New Challenges for Public Policy	123
Confronting Power, Theorizing Gender: Interdisciplinary Perspectives in the Caribbean	105

INFORMATION LITERACY INITIATIVES

The Mona Information Literacy Unit (MILU) developed and coordinated the delivery of over 300 sessions in the Main and Branch Libraries which saw attendance by approximately 5653 students. The major teaching activity in the Library for the academic year continued to be the teaching of information literacy competencies through UWI Foundation Course training sessions for undergraduate students.

Table 4: Spread of Information Literacy Sessions at the Mona Library 2014/2015.

Main Library and Branch Libraries	Sessions	Number of Attendees
Main	178	3842
Law	34	616
Medical	15	693
Science	24	440
UWI Mona Western Jamaica Campus	98	507
Total	349	6098

Orientation, UWILinC, and Specialized Sessions

Orientation of students to the Library, its resources and services continued to be one of the highlights of the Campus' orientation period. The sessions introduced incoming students to the Library and offered essential information to assist them in becoming avid library users and lifelong learners. Through presentations and physical tours of the Library, approximately 750 new commuting students and 1025 new students from the eight Halls of Residence were familiarized to the layout of the library and its collections and resources. This reflects more than 100% increase over the 2013/2014 academic year, and resulted from collaboration between the Library and the Office of Student Services and Development, and Librarians' involvement in the Halls of Residence Programme. A new initiative, a Library Graffiti Board, facilitated students' recording of their perceptions of the Library facilities and the tour.

A total of 507 students attended UWILinC training sessions between September 1 and 13, 2014. Online registration, marketing emails, and texts sent by MITS, appear to have influenced and increased attendance over previous years. These sessions empower students to effectively locate and use the Library's resources.

In consultation with faculty, sessions in specific disciplines and topics such as avoiding plagiarism, and citing and referencing, were also offered to undergraduate students.

E-Resources Fair

The Science and Medical Branch Libraries collaborated in hosting the fifth staging of an *E-Resources Fair* on April 9, 2015. The Fair offered valuable information in areas such as the creation and maintenance of an EndNote Library, and the use of databases to do scholarly research using Proquest and EBSCO databases. Presentations were done by overseas vendors, Antonio Alba and Thais Casanova from Proquest, and Damien Satterthwaite from EBSCO. Attendance was less than expected as a result of the visit of the President of the United States, Mr Barack Obama. Sessions from the Science Branch Library were rescheduled to April 15, 2015, and included presentations on SciFinder and COS-Pivot by Mrs Karlene Robinson.

Halls of Residence Librarian Programme

The Halls of Residence Librarian (HRL) Programme which was launched in the 2013/2014 academic year continued to be a flagship activity in the year under review. In reaching out to the first year students, the Halls of Residence Librarians focused on commuting students during Semester 1 of the academic year. During the 'Research Rescue' sessions that were held at the Commuting Students' Lounge, students were provided with assistance in referencing, citing, and general research questions.

GRADUATE STUDIES

Thesis Scrutiny and Consultation Support to Graduate Students

The Library continued to have a positive impact on the work of graduate students through its consultation and scrutiny programme. This programme has led to a significant decrease in instances of plagiarism and other technical challenges associated with dissertation development. While the

number of consultations/scrutiny has almost tripled during the year, face-to-face consultations outnumbered that of theses sent directly from the Office of Graduate Studies and Research (OGSR). A total of 105 consultations were done with 60 theses scrutinized.

The Faculty of Science and Technology continues to be the Faculty with the highest throughput rate for graduate theses. Over thirty theses were examined by the Science librarians either in consultation sessions or via scrutiny, and the majority were doctoral theses.

Table 5: Five-year Growth of Theses Scrutinized

Type	Number by Year					
	2014/2015	2013/2014	2012/2013	2011/2012	2010/2011	2009/2010
Masters	103	22	28	43	41	43
PhD	62	40	55	49	53	49
Total	165	62	83	92	94	92

Theses Writing Workshops

The MILU Librarian participated in the Office of Graduate Studies and Research – MPhil/PhD Thesis Writing Seminars by delivering presentations on “The Library’s Role in the Thesis Submission Process for Examination” on May 12, 19 and June 9, 2015. The presentation from the first Thesis Writing Workshop is available for viewing on UWITV @ <https://www.youtube.com/watch?v=5UWBdl-ULj0>

The important role of the Library in the thesis submission process was underscored with the Coordinator of the Mona Information Literacy Unit presenting to faculty at a Supervisors’ Development Course in November 2014 and May 2015.

Research Guides

Liaison Librarians continued the preparation of Research Guides for various subject areas, using the content management programme, *LibGuides*. The guides bring together information resources in specific disciplines to help users in their search. Students also have access to the guides prepared by the librarians at the Alma Jordon Library at the St Augustine Campus and vice versa. All guides can be accessed at <http://libguides.uwi.edu/>.

Research Days – February 9–11, 2015

The theme for 2015 was *Innovating for Development through Science, Creativity, Production and Governance*. Researchers at the Mona Campus of The University of the West Indies (UWI) demonstrated how key innovations resulting from their work continue to contribute to regional development.

The Library's role within this context was captured in a poster that projected the library as the information hub, research support and catalyst for research and innovation through four broad areas; namely, **collection and tools** (electronic resources and databases); **physical space**, **instruction** (information literacy sessions and UWILinC training) and **consultation** (thesis scrutiny). From these facilities and services which the Library provided, came output and innovation from all five Faculties.

The Research Days Exhibition Team consisted of Karlene Robinson (Coordinator), Tanya Manassi, Jessica Lewis, Rochelle Davis, Damien Cox and Dennis Samuels. This team was responsible for the design of the Main Library's poster as well as planning and execution of the exhibition at the booth.

INCOME GENERATION

On-going services and initiatives at the Mona Library continued to generate income for the work of the Library and by extension, the Campus. These include the Bindery and Preservation Unit, the

Multifunctional Room, as well as the Reprographics Services Unit (RESU) in the Main Library, with Branch Libraries playing a significant role in generating income through printing and photocopying fees, room rentals, and fines for late returns.

The work of the Bindery and Preservation Unit saw income of J\$497,000 generated during the period under review, bringing the total Bindery Fund to J\$7.6 M. There is the recognition, however, that the economic challenges of the Campus may have hampered preservation work and so inhibited a greater income, as there was an inability to repair important equipment and to purchase needed material. A proposal by the Campus Principal towards the development of a Business Plan for the Bindery is being explored.

Rental of the Multifunctional Room and attendant equipment realized an income of J\$872,700.00 during the academic year.

The unique collections of the Mona Library continued to be of immense academic value to researchers worldwide. Approximately J\$120,000.00 in user fees were realized from both international and local visitors for the 2014/2015 period.

Recommendation from the Library to the Mona Senior Management Team for application of outstanding library fines and materials to be added to the students' accounts, was accepted and approved by Mona F&GPC. This will result in added income for the Campus.

In an environment of increasing journal subscription costs globally, the Library continued, in collaboration with faculty from various departments, a process of aggressive cancellation of low-use print journal titles which resulted in an eventual saving of US\$5,720 for the review period.

OUTREACH

The Library participated in varied outreach initiatives at the national and regional levels including the following:

- **Health Information Literacy Training to Educational Institutions**

The Library continued to receive requests from schools and other

institutions for training in Information Literacy. During the period under review the Library provided training on *Academic Writing and Reference* to participants of the Psychiatric Nursing and Nursing Administration Programme of the In-service Education Unit at the Ministry of Health. Information Literacy training was also provided for students of the Brown's Town Community College School of Nursing in September 2014.

- **Denbigh Agricultural Show**

The Library provided support to the Mona Campus' display at the Denbigh Agricultural Show from August 4–6, 2014. The University showcased its work under the theme: *The UWI: Solutions for Climate Change and Food Security*. The Library displayed books and brochures on food security and climate change, as well as posters marketing the Library.

- **Teachers' Colleges**

A preliminary meeting towards possible collaborative initiatives was held on September 24, 2014 with Mona librarians and librarians from eight teachers colleges across Jamaica which offer B.Ed programmes that now fall under UWI. Although students from the teachers' colleges do not have UWI Library access under this agreement, the "Jamaica Committee" established by the Vice Chancellor, has been mandated to explore further possible collaboration.

- **Read-Aloud Sessions to Neighbouring Primary Schools**

Mona Librarians initiated the development of, and participated in, Read Aloud sessions to students at New Providence and Mona Heights Primary Schools on April 30 and May 1, 2015. These sessions were well received by the schools.

- **Professional outreach activities by Mona Librarians**

Mona Librarians continued their involvement in professional activities nationally, thereby establishing the leading role of UWI

In March 2015, Ms Sandra Stubbs, Librarian-in-charge of the UWI Mona – WJC Library, was a panellist at the Meeting of the Finance

Managers of the American Association of University Presses held in Montego Bay. The panel entitled: “Librarians Speak . . . About Books and Journals” was organised by International Sales and Special Markets of Project MUSE, and Johns Hopkins University Press, and involved discussions about university presses, books and journals, online book/journal collections, and aggregations, as well as collaboration between libraries and university presses.

Ms Cherry-Ann Smart and Ms Karen Tyrell conducted a workshop for the Library and Information Association of Jamaica (LIAJA) Schools Section entitled “Diversifying Library Collections through Policy Creation and Implementation: Creating a Collection Development Policy” in June 2015.

Ms Rosemarie Runcie, Head of the Cataloguing Section, facilitated two RDA workshops on behalf of the Library and Information Association of Jamaica (LIAJA), training librarians from across Jamaica in the application of international Resource Description and Access standard.

- **Mould Abatement Support to the Campus by the Bindery and Preservation Unit**

Staff from the Bindery and Preservation Unit provided expertise in the mould abatement exercise at the Sir Alister McIntyre Building, Mona School of Business and Management, between June and July 2015. The Team utilized specialized equipment from the Bindery to clean documents, books and staff equipment.

- **Support to External Users of the Library**

The Library welcomed visits from schools, colleges, universities and the general public throughout the year. More than 120 researchers from countries including the USA, United Kingdom, Greece, Australia, Japan, France, Germany, Ireland, Canada, as well as the Caribbean region were granted access to the Collection.

The Library also facilitated an influx of students from High Schools across Jamaica utilizing its resources to complete School Based Assessment Projects for CSEC Examinations. Students from 10 schools were accommodated during the year.

Unique to this academic year, was the visit of a group of approximately 40 principals from schools across the Island who toured the library in May as part of The Mona Principal's Outreach to high schools.

- **Field Work/Internship Placements**

Fieldwork and Internship placements were provided for students from the Mico University College, the Excelsior Community College, Department of Library and Information Studies, and CARIMAC.

- **Community Service Programme**

Under the supervision of Mr David Brown, Chief Binder, two students from Papine High School and Jamaica College undertook 20 hours of community service.

- **Care to Share Outreach to Neighbouring Basic Schools**

The Care to Share Team, consisting of five staff members reached out to the Mona Commons Basic School and the Escarpment Road Basic School during the year with donations of school supplies which were provided by Library staff.



Ms Calarine Smith, Care to Share team member, interacting with teacher and students from Escarpment Road Basic School.

- **Disaster Preparedness Training for Cave Hill Library Staff**

Two members of staff from the Sydney Martin Library, Cave Hill Campus, Mr Carlyle Best, Head of Special Collections, and Mr Randy Batson, Library Assistant, were on attachment to the Mona Library from May 18–22, 2015. Messrs Best and Batson worked with Mr Dunstan Newman, Preservation and Conservation Librarian, and the Conservation and Preservation Team to develop a disaster plan for the Sydney Martin Library.

Exhibitions

The Library mounted several exhibitions during the period under review:

- The Vice Chancellor’s Award for Excellence. This major exhibition highlighted the achievements of the awardees and included an audio visual component which was streamed on Mona TV.
- The Mona Library partnered with the National Library of Jamaica to mount a display at the Pavilion of the Western Jamaica Campus to complement the launch of a book by Olive Senior entitled “Dying to Better Themselves: West Indians and the Building of the Panama Canal.
- “Outstanding Men in Science”. This exhibition featured UWI lecturers who had done groundbreaking work in the field of science and technology.
- “The Mona School of Engineering”. This exhibition captured the entire programme of the School and examined jobs and careers in the field.
- “The UWI Women in STEM” featured the work of over twenty women scientists (professors and doctors) in the Faculty of Science & Technology, UWI Mona, and also brought attention to the work of women scientists in the world.
- “Edward Seaga: Statesman, Political Leader and Cultural Guardian” was mounted at the Main Library to showcase some of the varied types of items contained in the Edward Seaga Collection. There was

also a specially curated display of items from Mr Seaga's personal collection of artifacts.

- An exhibition was mounted in the Medical Branch Library on July 27 as the Library's participation in the World Hepatitis Day.
- The history and future development of UWI Mona – Western Jamaica Campus, was the focus of an exhibition mounted in September 2014 at the WJC.
- A small exhibition was mounted in the Medical Branch Library to memorialize two medical students (Danielle Hanson and Mikhail Campbell) who died tragically on November 29, 2014.

STAFF DEVELOPMENT

Initiatives Aimed at Developing Staff Competency

The Library continued its staff development initiatives aimed primarily at enhancing staff competency in specific areas by facilitating their participation in a wide range of training courses, workshops and seminars. During the year deliberate efforts were made to address competencies at all staff levels in the Library. Staff therefore received training in areas such as supervisory management, information literacy, digital preservation, legal information resources, shelving, as well as techniques for teaching with 21st century technologies. Some of these training sessions were conducted by the Human Resource Management Division and the Campus Bursary, while others saw delivery by library staff with specialist knowledge. Specialized sessions for library staff were also facilitated by EBSCO.

Of note were the following:

- Librarian-in-charge of the Law Branch, Myrna Douglas, with assistance from Rochelle Davis, Law Librarian, developed and delivered two training sessions to paraprofessional staff and Field Work students on "Identifying and Understanding Bibliographic Data from Legal Information Resources" and "Understanding Data Entry in the Procite Software".

- Randia Shaw, Amainia Walters and Shomar Beckford attended the HEART Trust/NTA Data Operations Level I training programme on August 14, 2014.
- Jessica Lewis attended the Leadership Development Sessions under the theme “Leadership Coefficient”. The series started on September 23, 2014.
- Beverly Burte, Senior Library Assistant, attended the workshop entitled “Teaching with 21st Century Technology” on January 12 and 13, 2015 at the Mona School of Business and Management Training Room. The workshop was facilitated by The Centre for Excellence in Teaching and Learning, UWI Mona.
- The following staff members attended the Sanitation Practices Workshop at the Human Resource Management Division’s Conference Room in March 2015: Shomar Beckford, Veronica Carwin, Joan Grant, Icilda Lewis, Maxine Pusey, and Gloria Webster.
- Leadership Development Workshop Series 2015 were attended by David Brown and Yolanda Tugwell. The series started on March 11, 2015.
- Supervisors, including ATS staff, were updated on the Online Assessment Software of the Campus at a workshop held on March 30, 2015. In attendance were Myrna Douglas, Jessica Lewis, Janet McCallum, Pauline Nicholas, Tereza Richards, Karlene Robinson, Frances Salmon, Sandra Stubbs, Walter Gordon, Cedric Palmer and Sonia Stewart. The facilitators were Mr Leighton Chambers, Information System Manager and Mr Steven Stanley, Senior Human Resource Assistant, Organisational Development & Employment Services (ODES).
- Clerical assistants and librarians attended an EBSCO session in April 2015 aimed at updating library staff on new and enhanced products from EBSCO, one of the leading database and e-resource providers to the Library.
- Cedric Palmer offered intense training in shelving techniques to all Cleaners and Library Attendants on November 24, 2014.

- Karlene Nelson, Special Collections Librarian, participated in a Digital Preservation workshop, jointly hosted by the Campus Libraries, St. Augustine and the National Archives of Trinidad and Tobago, March 2–6, 2015, at UWI, St. Augustine Campus.
- Members of the ATS staff: Audrey White, Marcia Dunkley, Ricardo Jackson, and Mervin Brown-Housen, attended Computer Literacy 101 Workshops in April and June 2015 offered by the Human Resource Management Division.
- In July 2015, three librarians, Jessica Lewis, Faith McKoy-Johnson, and Karlene Nelson, participated in the *Research Methods Workshop for Academics* sponsored by Mona School for Graduate Studies and Research, Mona Office of Research and Innovation, and Open Campus.
- Teaching librarians participated in a “Train the Trainers” workshop for teaching librarians at the Mona Library on July 10, 2015, conducted by the Mona Information Literacy Unit in collaboration with the Centre for Excellence in Teaching and Learning (CELT). The workshop was aimed at developing staff classroom/student engagement techniques and providing an overview of the new Association of College and Research Libraries Information Literacy Framework.
- Myrna Douglas, Arthur McBean, Sonia Stewart, Mervin Brown-Housen, and Pillin Slater attended the workshop, “Creating the Optimal Work-Life Balance” 2015.

PAPERS PRESENTED AT CONFERENCES/SEMINARS

Maureen Kerr-Campbell and Frances Salmon

- “Capacity Building through a Continuing Education Programme: the Case of The University of the West Indies Mona Library.” XLV Conference of the Association of Caribbean University, Research and Institutional Libraries (ACURIL), Suriname. June 7–11, 2015.

Paulette Kerr

- “Global Research and Initiatives in Media and Information Literacy and Intercultural Dialogue at the University of the West Indies.” Presented at the MILID Week Conference. Beijing, China Sept 26–29, 2014.
- Caribbean MIL Initiatives’. Presented at the Global MIL Week Conference and NAMLE Conference. Philadelphia. June 24–27, 2015.

Jessica Lewis

- “Sense and Sensibility”: Self-knowledge, Identity and the National Library of Jamaica.” Two of a Mind: Reflections on the Contributions of Professors Rex Nettleford, OM, FIJ, OCC and Barry Chevannes, OJ, FRAI. Institute of Jamaica. November 1, 2014.

Tanya Manassi, Beverley P Lashley and Karlene Nelson

- “Breaking the chasm between policy and practice: Retooling practitioners to effectively address Digital Rights Management issues presently being faced at the University of the West Indies Mona Library.” XLV Conference of the Association of Caribbean University, Research and Institutional Libraries (ACURIL), Suriname. June 7–11, 2015.

Karlene Nelson and Tanya Manassi

- “Promoting cultural Literacy in Jamaica: Libraries and other cultural agencies moving towards an integrated working partnership.” Nettleford/Chevannes Symposium, Institute of Jamaica. October 31–November 1, 2014.

Melva Armstrong, **Dunstan Newman** and Carol Bent-Wright

- “The Economic and Social Resilience of Small Informal Family Enterprises (SIFEs): A phenomenological study of food vendors on a university campus”. The UWI, Mona Campus, Department of Sociology, Psychology and Social Work. The Human Resources Management Development Graduate Programmes 20th Anniversary

Conference – Transforming the profile of Caribbean HRD: Building Global Organisation Locally. The University of the West Indies, Mona. May 27–29, 2015.

Cherry-Ann Smart

- “Preserving Cultural Products: Libraries, Context, and Technology in the English-speaking Caribbean”. Third Symposium in the Alphonsus ‘Arrow’ Cassell Memorial Lecture Series, Arts and the Environment: Implications for the Creative and Cultural Industries in the Caribbean, Montserrat Cultural Centre, November 13, 2014.

Cherry-Ann Smart and Dunstan Newman

- “Born Fe Dead: Preservation and Conservation of Born Digital Cultural Heritage”. Archaeological Society of Jamaica 13th Symposium, The University of the West Indies, Mona. April 8–9, 2015.

POSTER PRESENTATIONS

Olivine Thomas, Stanford Moore and Dunstan Newman

- “Organisational Change Determinants: Moderators of Successful tacit Knowledge Transfer”. Department of Sociology, Psychology and Social Work. UWI, Mona Campus Research Day January 2015.

PUBLICATIONS

Refereed Journal Articles

Sasekea Harris

- “Extended Opening Practices in Jamaican University Libraries”. *LIAJA Journal*, Number 1 (2014): 35–59.

Jessica Lewis

- “Book review of *The Cybrarians Web: An A–Z Guide to 101 Free Web 2.0 Tools and Other Resources* by Cheryl Peltier – Davis”. *LIAJA Journal 1* (2014): 60.

Dunstan Newman and Nadine Newman

- “Are Disaster and Emergency Plans Truly Complete?” *Library Leadership & Management* 29.3: (2015).

Pauline Nicholas, Jerdaine Sterling, Rochelle Davis, Jessica C. Lewis, Rosemarie Runcie, Faith McKoy-Johnson and Karen Tyrell

- “Bringing the library to you!” The Halls of Residence Librarian Program at The University of the West Indies, Mona Library. *New Library World*, 116, Iss. 5/6, (2015): 316–335.

Karlene P Robinson, Rosemarie Runcie, Tanya Marie Manassi, and Faith McKoy-Johnson

- “Establishing a Competencies Framework for a Caribbean Academic Library.” *Library Management* 36, no. 1/2 (2015): 23–39. <http://dx.doi.org/10.1108/LM-10-2014-0123>

Non-refereed Articles

Angela deFreitas, and **Jessica C. Lewis**

- “The Modern-Day Librarian.” *The Gleaner (Youth Link Magazine)* 25 September 2014. p. 25.

Maureen Kerr-Campbell

- “Reflections on IFLA2014, Lyon France. Report on Attendance”. *Librations – Newsletter*. Issue 2, (February 2015): 4–5. Web.

Pauline Nicholas and Jerdaine Sterling

- “Collaborative Virtual Reference Service: Should Jamaican Libraries be in a National Consortium?” *LIAJA Bulletin* 1(2014):1–23 EBSCO.

PUBLIC SERVICE

Paulette Kerr

- Member, Standing Committee and Paper Reviewer European Conference on Information Literacy (ECIL)
- Member, Board of Directors, National Forum on Information Literacy (USA)
- Chair and UWI Representative on the UNESCO UNITWIN MILID Group
- Member, Association of Library and Information Science Education (ALISE)
- Co-Chair Work-in-Progress Poster Showcase ALISE Conference
- Member, Library and Information Association of Jamaica

Sasekea Harris

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

Beverley Lashley

- Judge, 2nd Annual Rita Marley Foundation (Jamaica) Essay Competition

Karlene Robinson

- Chief Examiner for Principles of Business, Caribbean Examination Council

Frances Salmon

- Member, Editorial Committee, *LIAJA Journal*

Cherry Ann Smart

- Board member/WIGUT representative, Jamaican Copyright Organisation (JAMCOPY)
- Secretary, Jamaica Reading Association
- Member, Book Industry Association of Jamaica

THE LIBRARY

- Member, Library and Information Association of Jamaica
- Member, Mixed Method Information and Research Association
- Member, Association for Information Science and Technology (ASIST)
- Member, International Literacy Association
- Friend of the Kingston St. Andrew Parish Library

Yolanda Tugwell

- Member, Library and Information Association of Jamaica serving on the Academic Section Committee (2015–).

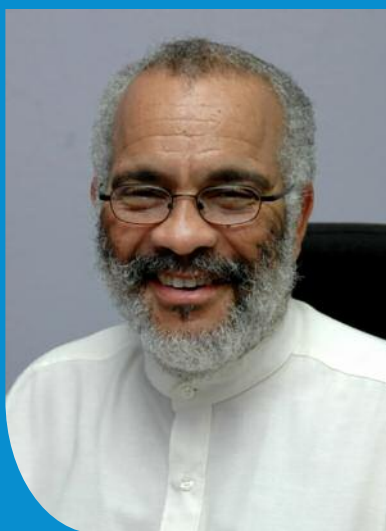
HONOURS AND AWARDS

- Ms. Sandra Stubbs received a *Pioneer Award* for “Pioneering role in the establishment and development of the Western Jamaica Campus”.

FACULTY OF HUMANITIES AND EDUCATION

Mona

Year ending July 31, 2015



SWITHIN WILMOT

BA *UWI*, DPhil *Oxon*

Dean

Overview

The Faculty of Humanities and Education maintained its commitment to the major goals of the 2012–2017 University Strategic Plan and pursued initiatives within the resource constraints.

TRANSFORMATIONAL ACADEMIC INITIATIVES

In support of the Single Virtual University (SVU), the School of Education (SOE) sustained its initiative in the delivery of the special Masters of Arts in Teaching – Part I programme (Graduate Diploma in Education) to four sites, Bermuda, Mona, St. Lucia and Western Jamaica Campus, concurrently.

The SOE and the Joint Board of Teacher Education (JBTE) also sustained the initiative from the Ministry of Education and the Office of the Vice-Chancellor for the award of UWI Bachelor of Education (B.Ed.) degrees for programmes of the Teachers’ Colleges of Jamaica in thirteen specializations. The detailed review of respective programs was achieved.

TEACHING, LEARNING AND STUDENT DEVELOPMENT

Curriculum Reform and Renewal remained the collective focus of the Faculty which is determined to preserve UWI’s reputation as an institution of higher learning dedicated to the attainment of the human potential of its students. Indeed, the Faculty underscored the relevance of the

humanities by way of the following initiatives enhancing and expanding its undergraduate program and course offerings.

- The Caribbean Institute of Media and Communication (CARIMAC) continued with course development for the new Bachelors of Fine Arts programmes in Animation and Film Production that will commence in August 2015.
- The department of Literatures in English, in support of the strategic plan to anchor the Faculty as the premier institution for instruction in filmmaking, benefitted from the appointment of Mr. Storm Saulter as Filmmaker-In-Residence for Semester 2, Academic Year 2014/2015. On March 20, 2015, he presented a lecture entitled, "Towards a New Caribbean Cinema," that included screenings of his films.
- Minors in Chinese, English Language Writing and Speech and Law for History Majors were approved. The Minor in Japanese was offered for the first time and the Minor in Cultural and Creative Industries was amended.
- Three B.Ed programmes in Information Technology, Computer Science and Information Communications Technology, respectively, were developed based on a comprehensive review of existing programmes.
- The Major in Entertainment and Cultural Enterprise Management was refined.
- Overall, thirteen new courses and four amendments to existing courses, reflecting the several disciplines in the FHE, were approved.

TURNING OUT THE IDEAL UWI GRADUATE

Internships and other out of classroom learning experiences, locally, regionally and internationally which are integral to the students' exposure and training were integral to the following programmes: Archaeology, Education, Entertainment and Cultural Enterprise Management, Integrated Marketing and Communication, Journalism, Library Studies and Modern Languages.

In keeping with the goal of the Strategic Plan to produce graduates capable of oral communication in English and with communication skills for the world of work, the Language section of the department of Language, Linguistics and Philosophy fine-tuned the courses launched last academic year in Critical Reading and Writing. The year-long six-credit Foundation course for students unable to demonstrate a sufficient level of English language proficiency for academic success was also delivered and improvements in students' capacity are anticipated.

Undergraduate registration declined by 4 per cent when compared to the previous year. Financial difficulties and increased access for Jamaican students to the Faculties of Law at Cave Hill and Mona affected intake, since in the past, several students turned to the humanities when entry to Law was far more restricted.

MANAGEMENT, QUALITY AND CONDUCT OF GRADUATE PROGRAMMES

The Faculty maintained the commitment to enhance graduate studies.

- A new Graduate Programme in Higher Educational Management was developed for implementation in the 2015/2016 academic year and the Master of Arts in Teaching (MAT) was revised.
- Six new courses, including those for the new program to be launched in Archives and Records Management, were developed and approved by the Board of Graduate Studies and three others were revised.
- The restructured taught Master's Programme in Philosophy commenced in September 2014.
- Three PhDs were awarded during the year, with one, Orville Beckford, receiving High Commendation. Six M.Phils and three PhDs are currently under various stages of examination.
- The initiative for blended learning in existing graduate programmes was operationalized by way of the Master of Library and Information Studies (MLIS) and the Master of Arts in Library and Information Studies (MALIS).

- Two revamped graduate programmes that were offered in the year under review: the MPhil/PhD in Library and Information Studies and the MA in Translation delivered by the department of Modern Languages and Literatures.

RESEARCH AND INNOVATION

The scholarly production outlined in the various departmental reports indicates that the Faculty has sustained its well-deserved reputation for quality research. Of special mention is the fact that seven colleagues published single authored refereed books during the academic year:

- Dr. Nina Bruni, *Ruptura y viraje: la narrativa de Marcio Veloz Maggiolo 1960–1975*.
- Dr. Ray Hitchens, *Vibe Merchants: The Sound Creators of Jamaican Popular Music*.
- Dr. Jenny Jemmott, *Ties That Bind. The Black Family in Post Slavery Jamaica, 1834–1882*.
- Dr. Erin MacLeod, *Visions of Zion: Ethiopians and Rastafari in the Search for the Promised Land*.
- Dr Vivette Milson-Whyte, *Academic Writing Instruction for Creole-Influenced Students*.
- Dr. Mathew Smith, *Liberty, Fraternity, Exile: Haiti and Jamaica after Emancipation*.
- Professor Waibinte Wariboko, *Elem Kalabari of the Niger Delta. The Transition from Slave to Produce Trading under British Imperialism*.

Research in the following areas also received support by way of fellowships or multidisciplinary/cross faculty Grants from the Campus Research Committee:

- Village-Communities, Power, and Tradition in Equatorial Guinea, 1900–1968

- Participation in organized sports and its effect on delinquency in Jamaica and Barbados: an examination of Hirschi's social control theory
- An evaluation of the efficacy of INSIGHTS (psycho-education intervention) in enhancing academic skills and improving behaviour.
- Sign Language dialectology in CARICOM member states.

NATIONAL ENGAGEMENT AND OUTREACH

The Faculty maintained its national profile with departments mounting conferences, public lectures, symposia and collaborated with public agencies in the furtherance of developmental policy. Specific mention is made of the following:

- Several departments organized workshops on the Mona Campus and at the Western Jamaica Campus for teachers and students in support of the respective CXC/CAPE syllabi.
- CARIMAC hosted a public lecture in December 2014 by Professor Vibert Cambridge, from the School of Media Arts and Studies, Scripps College of Communication, Ohio University, USA. He delivered a well-received lecture on, "Jamaica inna Guyana: The Jamaican presence in Guyanese musical life during the 20th century".
- The Institute of Caribbean Studies in collaboration with the Office of the Principal, UWI, Mona, hosted the fourth International Reggae Conference under the theme "Musical Legends and Cultural Legacies" between February 11 and 13, 2015.
- Professor John Ayotunde Bewaji delivered the first Professorial Inaugural Lecture in Philosophy on February 19, 2015. The title of the Inaugural Lecture was, "Liberation Humanities for Africa and the Diaspora."
- The School of Education and the Caribbean Institute of Media and Communication (CARIMAC), the Faculty of Social Sciences and the UWI School of Nursing in collaboration with the Mixed Methods

International Research Association staged the Mixed Methods Research Caribbean Conference at the Mona Visitors' Lodge on the Mona Campus from March 12 to 13, 2015.

- In April 2015, the School of Education Centre for the Assessment and Treatment of Exceptionalities (SOECATE) signed a contract with the Ministry of Education to conduct psycho-educational assessments for the placement of students in ASTEP schools. Approximately 4,000 students are being tested islandwide. To date 2,500 have been completed. Students in the Masters in Educational Measurement and Bachelors in Literacy Studies were trained and are being paid to conduct the assessments. Through collaboration with the Faculty of Social Sciences, students completing a Masters in Applied Psychology are also on the team.
- The Department of Literatures in English partnered with Two Seasons' Guest House and the Gloria Lyn Memorial Fund (GLMF) to stage the Two Seasons Talking Trees Literary Fiesta on Saturday, May 23, 2015 at the Two Seasons Guest House, Treasure Beach, St. Elizabeth. A stellar group of poets and storytellers headlined the event which received very favourable support, including students from the Mona campus and other tertiary institutions.

REGIONAL AND INTERNATIONAL COLLABORATION

The Faculty developed and/ or sustained initiatives which brought important regional and international visibility to the UWI and to the Mona Campus as follows:

- Several colleagues in the Faculty continued to support the Caribbean Examinations Council's CSEC and CAPE examinations by serving on Subject Panels and as Chief and Assistant Chief Examiners in the Faculty's respective disciplines.
- The Departments of Literatures in English, Language, Linguistics and Philosophy, and CARIMAC, in collaboration with the E. Desmond Lee Professorship in African/African-American Studies, International Studies and Programs at the University of Missouri,

Saint Louis, hosted the 7th Africa World Documentary Film Festival from October 2–5, 2014. Over 20 films were shown from Africa and African Diaspora communities around the world.

- The School of Education(SOE), in partnership with the Ministry of Education, Jamaica; HEART Trust/NTA; University of Technology (UTech); Caribbean Association of National Training Agencies (CANTA) and UNESCO Kingston Cluster Office for the Caribbean, hosted the Second International Conference on TVET in the Caribbean from May 13 to 15, 2015 at the Hilton Rose Hall Resort & Spa, Montego Bay under the theme Jamaica Education in TVET: Imperative to National and Regional Development
- Dr. Carmen Bovell, under the aegis of a United States Fulbright Specialist grant, assisted the SOE’s early childhood education programmes, particularly with the design of aspects of a new Master of Education programme in Early Childhood Education
- On June 2, 2015, the department of History and Archaeology, in association with the University College of London’s Legacies of Slavery Project hosted a Workshop under the theme, “The Significance and Structure of British Slave Ownership, 1763–1833”. Historians from the UWI and the University College presented.

AWARDS/HONOURS

The following colleagues received the Principal’s Research Awards for 2015:

- Dr. Susan Anderson for Best Research Publications in the Book Category for: *Climbing Every Mountain: Barriers, Opportunities and Experiences of Jamaican Students with Disabilities in their Pursuit of Personal Excellence*.
- Dr. Swithin Wilmot for Best Research Publication in the Article Category for “Jewish Politicians in Post-slavery Jamaica. Electoral politics in the Parish of St. Dorothy 1849–1860”, in Jane S. Gerber, Ed., *The Jews in the Caribbean*.

- Dr. Deon Edwards-Kerr and Mrs. Joan Spencer-Ernandez for the Research Project with the Greatest Business or Economic Development “Impact for the School of Education Centre for the Assessment and Treatment of Exceptionalities” (SOECATE).
- Dr. Loraine Cook for the Research Project Attracting the Most Funds for the *INSIGHTS Project*.
- Professor Stafford Griffith shared with persons from five other Departments of the University as Director of the School and Co-Manager of the *National College of Educational Leadership (NCEL) Project*. This was an inaugural award by the Principal for the Research Project with the Greatest Multidisciplinary/Cross-Faculty Collaboration.
- The School of Education received an award from the UWI Development and Endowment Fund ‘in recognition of and appreciation for continued support through scholarships’.

CARIBBEAN INSTITUTE OF MEDIA AND COMMUNICATION (CARIMAC)



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

OVERVIEW

This year was another successful one for CARIMAC, in which our 40th Anniversary was observed in style with a wide range of public and academic events. Four new academic programmes were approved. We successfully completed both an Operational Audit and a Quality Assurance Review. The Institute continues to work towards becoming the Caribbean School of Media and Communication (CARIMAC) and to expand its operations both in UWI Mona – Western Jamaica Campus (WJC) and in the wider Caribbean.

WORK OF THE DEPARTMENT

Expansion of Programmes

The Mona ICT Policy Centre (MICT) and its Masters degree programme in Telecommunications Policy and Technology Management (TPM)

were transferred from the Mona School of Business and Management (MSBM) to CARIMAC. The TPM Masters will again be offered in the 2015–2016 academic year.

New Undergraduate Programmes

The new academic programmes which were approved in 2014 are scheduled to be offered in the 2015–2016 academic year. These are the Bachelor of Fine Arts (BFA) in Animation and the Bachelor of Fine Arts (BFA) in Film Production. These programmes mark the first time that the UWI Mona Campus will be offering BFA degrees. These will be offered as self-financing undergraduate programmes, again a first for CARIMAC and the Faculty. In addition, a new computer laboratory and additional classrooms are being equipped to accommodate students in the new programmes.

Graduate Programmes

One of two newly approved Masters degree programmes at CARIMAC, the Master of Arts in Integrated Marketing Communication (IMC), will be offered starting September 2015. The second approved Masters, the MSc. in Media Management, is to be offered in association with MSBM in September 2016.

In late May, CARIMAC hosted a very well attended launch of the IMC programme in preparation for the start of the new programmes at CARIMAC.

Animation Graduation

The Institute continued to lead in the training of young Jamaicans in the art of cartoon animation. A graduation ceremony for its latest cohort of 2D Animation Certificate students saw a total of 15 graduating at WJC earlier this year. The guest speaker at the function was Ms. Carole Beckford, Film Commissioner, Jamaica Promotions Corporation (JAMPRO). The graduating class brings to just over 100, the number of certificate students trained in Animation by CARIMAC over the last

two years. Some of the more qualified among these certificate students sought further education in the new BFA Animation programme at CARIMAC.

CARIMAC Operational Audit

Starting in November 2013, an operational audit of CARIMAC was conducted by the University Audit Department. Auditors worked from a base at CARIMAC over several months to examine all operational systems, accounts, processes and relevant documents. According to their final report, CARIMAC maintained a well-managed and credible operational environment.

CARIMAC Quality Assurance Review

Overlapping the Operational Audit was the Quality Assurance Review (QAR) of CARIMAC, which started one week after the end of the grueling 40th Anniversary celebrations. Nevertheless, the Institute provided the required information, support and cooperation for the QAR, covering the period 2009–2014. While preparations and relevant meetings were held well in advance, the official team visit took place December 1–5, 2014.

The review included the CARIMAC programmes at Mona and at the Western Jamaica Campus. The Review Team, headed by Professor Emeritus Vibert Cambridge, from the School of Media Arts and Studies, Scripps College of Communication, Ohio University, had meetings with various stakeholders, such as employers of graduates, academic, administrative, technical and service staff, students and key UWI management personnel.

The preliminary report from the Team, received in May 2015, indicated, among other things, that CARIMAC has a respected international presence and is actively fashioning undergraduate and postgraduate curricula that respond to Jamaica's and the Caribbean's dynamic communication environment. It sees these activities as being in harmony with the UWI's mission as expressed in the 2012–17 Strategic Plan. The Team supported CARIMAC's strategic goal of becoming a School of

Media and Communication at UWI. They also identified several areas of improvements that require attention. These include a review of the DMP Programme, attention to staff needs and better throughput for graduate students. The Institute submitted its response and an Action Plan has been prepared for review by the Faculty of Humanities and Education Board and the Academic Board.

CARIMAC's 40th Anniversary Celebrations

The Institute celebrated its 40th anniversary in October 2014. The goal was to consolidate the reputation and visibility of the Institute, build its alumni and public support and showcase the new programmes and development at CARIMAC. The Anniversary activities included:

1. A soft launch in June 2014 at the UWI Regional Headquarters.
2. A two-day Academic Conference at CARIMAC UWI Mona Campus, on video game design and technology. Main speakers were Professor Joseph Saulter, Chief Executive Officer of Entertainment Arts Research Inc. in Atlanta and Dr. Gary Liu Vice President of the same organization. The theme of the Conference was 'Changing Game: Designing for Development'.
3. A student-led Homecoming Grill-Off, held on October 18. This competition took place on CARIMAC's lawns, where well-known CARIMAC alumni competed against lecturers and students in sponsored culinary competitions.
4. The 40th Anniversary Church Service and Reception was held on Sunday, October 19, at the University Chapel, and was well attended.
5. Anniversary Cake Cutting Ceremony and Public Forum on Jamaican Music, hosted by CARIMAC students and staff at WJC.
6. The 40th Anniversary Gala Banquet was held to a capacity gathering at the Jamaica Pegasus Hotel on Saturday October 25, 2014. A large number of industry players and alumni attended. The Honorable Obediah Wilchcombe, Minister of Tourism of the Bahamas (and CARIMAC alumnus) was the Guest Speaker.

Scholarships – Arnold Foote Foundation and JMMB

During the year, CARIMAC was able to secure a total of four scholarships for students who were performing excellently but who could not afford their fees. The Arnold Foote Foundation handed over \$350,000 each to three top performing but needy students while JMMB offered one scholarship in the same amount for a total of J\$1.4 M.

Distinguished Lectures

During the year under review, CARIMAC hosted two distinguished lectures as part of its Distinguished Lecture Series. The first one for the year was presented in December 2014 by Professor Vibert Cambridge, from the School of Media Arts and Studies, Scripps College of Communication, Ohio University, USA who was the Quality Assurance Team Leader. He delivered a well received lecture on, “Jamaica inna Guyana: The Jamaican presence in Guyanese musical life during the 20th century”. The Lecture explored the musical connections between Jamaica and Guyana during the 20th century and the consequences of those connections. It reflected on the dynamic impact Jamaican music has had on Guyanese social, cultural, and political life over the past 40 years.

The second lecture was the 5th Annual Aggrey Brown Distinguished Lecture held on April 16, 2015. It was delivered by CARIMAC alumna and part-time lecturer, Mrs. Janet Morrison. Mrs. Morrison, a former student and current part-time lecturer at CARIMAC was also the winner of the BBC Radio Drama competition for 2013. The lecture was on the theme, “Pure Drama: Revisiting the Radio Play”. Both events were very well attended and very well received.

UWI Research Days

The Institute participated in the Campus Research Days activities, February 9–11, 2015 where it had three posters displayed. An information session on Animation was held at CARIMAC Annex II Lab. Approximately 35 persons participated.

WJC Radio Studio

CARIMAC installed a radio studio console at the WJC campus to assist in the delivery of Communications programmes at that campus.

ACADEMIC STAFF MATTERS

CARIMAC's Director, Professor Hopeton Dunn, was among the recipients of the Vice Chancellor's Award for Excellence. His award was in the area of Public Service.

CARIMAC WJC Co-ordinator, Mr. Patrick Prendergast, was appointed Acting Director of The Western Jamaica Campus, for one year, effective May 1, 2015. He is acting for Dr Luz Longworth who was appointed Acting Principal of the Open Campus for one year.

Mr. Steffon Campbell who served as Acting CARIMAC Coordinator at the Western Jamaica Campus while Mr. Patrick Prendergast was on study leave, demitted office at the end of his contract period in July 2015.

Dr Anthea Henderson completed a successful semester engagement as Visiting Lecturer at the Communications Department of the London School of Economics and Political Science (LSE) in London UK.

CARIMAC lecturer, Miss Charmaine Henry, who became ill during Semester 2 of the last academic year, died on July 27, 2015.

STUDENTS AFFAIRS

Governor General's Achievement Awards

CARIMAC student, Joel Nomdarkham, was among the 39 awardees who were honoured for excellence in the fields of volunteerism, education, family and community service at the Governor General's Achievement Awards held at King's House on November 27, 2014.

2nd Annual ArtUp Down Town Exhibition

CARIMAC students participated in the 2nd Annual ArtUp Down Town Exhibition in January, 2015 at Studio 174 on Harbour Street, Kingston. The event featured photography, video and audio pieces produced by Studio 174 and CARIMAC students. Basil Jones Jr., television producer and a recent CARIMAC graduate was among those who led the activities. This community-oriented media training initiative, was implemented in partnership with CARIMAC, and is designed to strengthen community relationships in downtown Kingston and to encourage change leadership through media by empowering Jamaicans from diverse educational and socio-economic backgrounds to work together and tell their own stories.

Radio Production Award: Best Documentary Programme

A Radio Documentary by CARIMAC's final year student, Jessica Mars on '*The Discriminatory Treatment of Black West Indians Serving in the British Forces in World War II*' was played on RJR's Beyond the Headlines Programme on November 11, 2014. She was also interviewed by the Programme host, Mrs. Dionne Jackson Miller.

Valedictorian for the UWI 2014 Graduating Class

CARIMAC's first class honours graduate, Miss Shantayae Grant was one of the 2014 Valedictorians for the UWI graduation exercise. Shantayae, who graduated with a BA in Integrated Marketing Communication (IMC) did her colleagues and CARIMAC proud with an excellent valedictory address. She received the highest overall GPA average within the Faculty of Humanities and Education during that year.

REFEREED RESEARCH BASED/SCHOLARLY PUBLICATIONS

Journal Articles

H.S. Dunn, Imperial Foundations of 20th-Century Media Systems in the Caribbean, in *Critical Arts: Media and Empire in the 20th Century*,

Special Issue, Volume 28, Issue 6, December 2014, Routledge-Taylor Francis Group, UK (2014):938-957.

L.A. White, Charting the Course of Communication Studies in the English-speaking Caribbean: Disciplines, Developments and Future Directions. *Journal of Human Communication Studies in the Caribbean*, Special Theme – Celebrating the Caribbean in Communication, Culture and Community, Vol 1, # 1, (2015):10–20

M.M., McNaughton, **D.M.G., Soutar**, *Agricultural Open Data in the Caribbean: Institutional perceptions, key issues and opportunities*. Published by the Technical Centre for Agriculture and Rural Cooperation ACP-EU (CTA) (2015). 22 Pages.

D. Robinson, M.M McNaughton, **D.M.G. Soutar**, V. Baker, *Code for the Caribbean: A Case Study*. Published by Code for All. (2014). 26 pages

Book Chapter

Hope, D. & **White, L.A.** (2015). “Your name ah mention: A Content Analysis of Media Coverage of Popular Jamaican Music Feuds 1970-2010” in Hope, D. (ed) *Reggae from Yaad – Traditional and emerging themes in Jamaican popular music*. (pp. 100-126). Kingston: Ian Randle.

Professor Hopeton Dunn, Ricardo Williams, Sheena Johnson-Brown, “Promoting Media Literacy in Jamaican Schools, in *Global Citizenship in a Digital World*, Sherri Hope Culver and Paulette Kerr (Eds). International Clearinghouse on Children, Youth and Media, Nordicom, University of Gothenburg. 2014 229–244

PAPERS PRESENTED AT ACADEMIC CONFERENCES AND SEMINARS

Dunn, H.S. (August 2015) “Update on New Academic Programmes and Institutional Reforms at CARIMAC” – Presented at the Caribbean Broadcasting Union’s 45th Annual General Assembly held at the Royal Torarica Hotel in Paramaribo, Suriname.

White, L.A. (March 2015) “Exploring the need for a mixed methods approach to ascertaining antibiotic prescribing practices among Jamaican medical practitioners.” Presented at the 2015 Mixed Methods Regional Caribbean Conference held in Kingston, Jamaica, March 12–13, 2015. (Co-authored with Nicholson, A; Tennant, I; Cook, L; Richards, L; Barnett, J; Johnson, S; Thoms-Rodriguez, C; Thompson, T and Scarlett Campbell, K.)

Soutar, D M (August 2014) “Code for the Caribbean: Data, APIs, Livestock” Presented at the US-Africa Leaders Summit, Africa Open Data Jam – Washington DC, USA (Co-authored with McNaughton, M.M., & Baker, V)

Soutar, D M (May 2015) “Towards a Data Driven Agriculture Industry in the Caribbean” Presented at 1) The World Summit on the Information Society – Geneva, Switzerland 2) International Open Data Conference - Quibec, Canada 3) Emerge 2015: eGov Summit – Miami, Florida. (Co-authored with McNaughton, M.M.)

Soutar, D M (March 2015) – “Designing Better Experiences” Presented at conference for Developing the Caribbean Open Data, Kingston, Jamaica.

RESEARCH GRANTS

Proposals done individually or as part of a team resulted in the following grants:

Dunn, H

Review of Legal and Regulatory Frameworks and Current Sector Trends covering the countries of Trinidad and Tobago, Barbados, Jamaica and the Dominican Republic. (Component 2 of the Broadband Infrastructure Inventory and Public Awareness in the Caribbean (BIIPAC) Project, Tranche A). Funded by the Caribbean Association of National Telecommunications Organizations (CANTO) in association with the Inter-American Development Bank (IDB). January 2015.

White, L

A Multidisciplinary Project 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.

Dunn, H and Bravo, O

Communication and Public Education Programme for the Energy Security and Enhancement Project. Funded by the Ministry of Science, Technology, Energy and Mining in the Government of Jamaica (March 2013–February 2015) Roles: Project Director and Project Manager.

PUBLIC SERVICE

Professor Hopeton Dunn

- Chief Judge of new Journalism Awards Scheme hosted by the National Housing Trust in association with the Press Association of Jamaica, for Sustained Coverage of Housing and Infrastructure Issues in Jamaica.
- Chairman, Broadcasting Commission of Jamaica,
- Member, Jamaica Computer Society (JCS) Education Foundation.
- Chief Judge, Media Excellence Award Panel, Jamaica Broilers Group.
- Chairman, Advisory Committee, Media Technology Institute (MTI), a division of the Creative Production and Training Centre (CPTC).
- Member, Advisory Committee, Jamaica Press Institute (JPI), a division of the Press Association of Jamaica (PAJ)
- Member, Task Force on Global Media Policy, International Association for Media and Communication Research (IAMCR)
- Board Member, Jamaica National Commission for UNESCO

- Member of the General Council and Chair of the Graduate Studies and Research Committee of the International University of the Caribbean (IUC)
- Member, National Ecumenical Committee for the Observance of Emancipation from Slavery, Jamaica
- Member, International Council, International Association for Media and Communication Research, IAMCR.
- Lay Magistrate and Justice of the Peace (JP) for Kingston, appointed by the Governor General of Jamaica.

Dr. Corinne Barnes

- Member of the Editorial Board – *Journal of Human Communication Studies in the Caribbean*
- Public Relations Officer, New Testament Church of God in Jamaica
- Member, Mixed Methods International Research Association (MMIRA)
- Member, Parent/Teachers Association, Hillel Academy
- Member, Panel of Judges of the annual Press Association of Jamaica Journalism Awards

Dr. Livingston White

- Member, Board of Directors of the Ad Council of Jamaica
- Member of the Project Advisory Committee of the “Teen360” Virtual Classroom Project on increasing sexual and reproductive health knowledge among Jamaican young people using Information and Communication Technologies; managed by National Family Planning Board (NFPB) and funded by UNESCO.
- Member, Mixed Methods International Research Association (MMIRA)
- Founding member of 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

Caribbean Institute of Media and Communication

- Member (founding) of the Editorial Board – *Journal of Human Communication Studies in the Caribbean*

Ms. Fae Ellington

- Member, Access to Information Appeal Tribunal,
- Member, e-learning Jamaica Company Limited
- Board Director, The Chase Fund,
- Director, Jamaica Information Service
- Member, Jamaica Constabulary Force Staff College Advisory Board.

Miss Olivia Bravo

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

Mr. David Soutar

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

DEPARTMENT OF HISTORY AND ARCHAEOLOGY



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

WORK OF THE DEPARTMENT

Curriculum Development: The objectives which the Department set for the revision of the European History Programme were completed following the approval of the HIST3411: Britain Since 1945 in May 2014. The course was offered in 2014/15. This adds to the three courses at Levels 1 and 2 which were revised and written between 2011 and 2012. The full complement of the BA in History and Heritage Studies was realised in 2013/14, with the inclusion of HIST2902: Caribbean Historical Landscape and the Development of Eco-Tourism. The programme was also amended to include HIST3801: Historical Archaeology and HIST3013: History of the Jamaican Landscape. A Summer School course HIST2903: A Socio-Cultural History of Jamaica since 1838 was designed and approved with international students in mind. The hope is to begin offering this course in the Summer term of 2015/16.

Student Matters

The History and Archaeology Society carried out a successful membership drive which resulted in the recruitment of non-History majors from within and outside the Faculty. The Society continued its support to the Department in a variety of ways, which included their participation in Research Day activities in February 2015. They also hosted a discussion forum on the topic, “The Significance of the Humanities in Today’s World,” in which 15 students from Coventry University also participated.

Postgraduate

In 2014/15 thirteen new students registered in the Department’s graduate programmes. This included 1 in the PhD programme, 2 in the MPhil programme, 1 in the MA History and 8 in the MA Heritage Studies programmes. The annual Graduate Seminar Workshop was held on 17 and 24 April and 1 and 8 May with eight students presenting on their research topics in Heritage Studies.

Appointments & Promotions

In August 2014 Mr Zachary Beier assumed teaching duties as Assistant Lecturer in Archaeology. Dr. Jenny Jemmott was appointed Senior Lecturer, and Dr. Mathew Smith, Professor of Caribbean History. Dr. Julian Cresser was the recipient of a Mona Campus New Initiative Grant for 2014/15 for the project, “Participation in Organised Sports and its Effect on Delinquency in Jamaica and Barbados: an Examination of Hirschi’s Social Control Theory”.

Publications & Awards

Dr. Swithin Wilmot received the Principal’s award for Best Publication (Article) in the Faculty of Humanities and Education for his “Jewish Politicians in Post-slavery Jamaica. Electoral politics in the Parish of St. Dorothy 1849–1860”, published in Jane S. Gerber, Ed., *The Jews in the Caribbean*. The Littman Library of Jewish Civilization, 2014. Book

publications included Dr. Jenny Jemmott's, *Ties That Bind. The Black Family in Post Slavery Jamaica, 1834–1882*, Kingston: The University of the West Indies Press, 2015, Professor Mathew Smith's, *Liberty, Fraternity, Exile: Haiti and Jamaica after Emancipation*, Chapel Hill: University of North Carolina Press, 2014, and Professor Waibinte Wariboko's, *Elem Kalabari of the Niger Delta. The Transition from Slave to Produce Trading under British Imperialism*, New Jersey: Africa World Press, 2014.

Seminars/Public Lectures/Conferences

The Department's 31st annual Elsa Goveia Memorial Lecture was held on 7 April 2015, and was delivered by Emeritus Professor Patrick Bryan, who spoke on "The Dominican Republic, 1870–1916: Socio-Economic and Ideological Aspects of Free Labour Plantations." Dr. Julian Cresser, as acting coordinator, organised the Department's Weekly Staff/Graduate Seminar Series in which 16 presentations by visitors, graduate students and staff were made. Two of these were cross campus interdepartmental, conducted via SKYPE, with the Department of History, St. Augustine campus. The Department hosted, in association with the Western Jamaica Campus, a Public Lecture delivered by Dr. Swithin Wilmot. The Lecture, "Freedom's First Fruits: Blacks in Post Slavery Politics in Western Jamaica up to 1865" was in commemoration of Black History Month. The Public Lecture was broadcast live by MITS and students at Hunter College, New York viewed the Lecture. The Department, in collaboration with University College of London, Legacies of Slavery Project hosted a Workshop, under the theme, The Significance and Structure of British Slave Ownership, 1763–1833. This was held on June 2, 2015.

Archaeology – Field School 2015

The annual Field School in Archaeology for students in HIST2801: Research Methods and Techniques in Archaeology was in collaboration with the College of Arts and Sciences at Shippensburg University of Pennsylvania) in which excavations at Marshall's Pen, Manchester were

conducted, under the supervision of Mr. Zachary Beier, Assistant Lecturer in Archaeology at Mona.

Outreach

The annual Cape Lectures in History series for High School students, was held on April 11, 2015. Five lectures were delivered: “World Wars I and 2, the Russian Revolution to 1924”, and “Nazism and in Germany up to 1945,” “Independence and National Development up to 1900-Brazil/Venezuela,” “Conquest of the Aztecs and the Incas by Spain in the 16th Century” and “Final Dismantlement of the Slave Systems, 1807–1886.” Two sessions were devoted to the approach to answering questions and were conducted by Dr. Aleric Josephs and Dr. Dian McCallum of the School of Education. For the third consecutive year a CAPE History Teachers’ Workshop was held on 22 November 2014 in SLT 2A, School of Education. Topics addressed included, General Guidelines and Approaches to Studying Topics in History: Understanding and Using the CAPE History Syllabus; Preparing to Teach the Syllabus; Approaches to Studying Topics in History; Integrating School Based Assessment into Classroom Instruction: Formative Assessment or assessment for Learning; School Based Assessment as Formative Assessment; Integrating Formative Assessment into Instruction; and Using Assessment to Improve Learning and Performance. The Workshop was attended by thirty-three (33) teachers, representing twenty-three (23) schools from within and outside the corporate area. Both outreach activities were ably coordinated by Dr. Aleric Josephs.

Visitors to the Department

On March 26, 2015, Dr. Darren Reid and Mr. Brett Sanders of the Department of International Studies and Social Science, at Coventry University, UK, met with staff with a view to establishing collaborative links between the two respective Departments which would include shared teaching via SKYPE, and participation in Coventry’s Online International Learning (OIL) programme. The 15 students who

accompanied them interacted with the History and Archaeology Society, and were taken on a guided tour of some of the historical sites located on the Campus. They also attended a scheduled Lecture in the Level I course, HIST1601: The Atlantic World, 1400–1600.

Promotional Activity

Dr. Jenny Jemmott coordinated the Department's participation in the Campus' Research Days activities, which also assisted in promoting the Department's offerings. The Department's Website and Facebook continue to be periodically updated with 31 activities posted during the year in review.

CONFERENCE/SEMINAR PAPERS

Zachary Beier

- “The Archaeology of Caribbean Fortifications: Insights from the Cabrits Garrison and Fort Rocky,” 13th Symposium of the Archaeological Society of Jamaica, *Caribbean Archaeology, Conservation and Material Culture*, UWI, Mona, 8–9 April 2015. 17pp.

Jonathan Dalby

- “‘Me don't tief it, me only take it': Property Crime and its Prosecution in Post-Emancipation Jamaica, 1835–99,” Department of History and Archaeology, UWI, Mona Staff/Postgraduate Seminar, 12 December 2014. 37pp.

Enrique Okenve

- “An Island in the Middle of Everywhere: Bioko under Spanish Colonial Domination,” *The African Islands Conference*, Department of History, the University of Texas at Austin, 25 October 2014. 14pp.

Taka Oshikiri

- “Gathering for Tea in Meiji Tokyo”, the 13th Annual International Conference, *History & Archaeology: From Ancient to Modern*, Athens Institute for Education and Research, 29–20 June, 1–2 July 2015. 11pp.
- “The Shogun’s Tea Jar”, Department of Sociology, Psychology and Social Work, Graduate Seminar, UWI, Mona, 30 October 2014. 16pp.
- “Tea and Buddhist Monasteries in Japanese History”, the 2014 International Association for the Buddhist Studies Conference, University of Vienna, 18–23 August 2014. 9pp.

James Robertson

- “The Experience and the Imagination of a Slave Revolt: An Uprising in St. Mary Parish, Jamaica in 1765,” Department of History & Archaeology, UWI, Mona, Staff/Postgraduate Seminar, September 2014, also, at the African Caribbean Institute of Jamaica, IOJ Seminar Series, 29 January 2015. 36pp.
- “Jamaica’s Victorian Architectures, 1834–1907,” Georgian Society of Jamaica, 16 October, 2014. 23pp.
- “Island Times: Heritage and the Comprehension of Chronology,” 2014 Alliouagana Festival of the Word, Cultural Centre, Little Bay, Montserrat, 14 November, 2014. 9pp.
- “Displays of Prosperity: Drawings of Urban Jamaica from the 1830s,” History Workshop on the Structure of British Slave-Ownership 1763–1833, Legacies of British Slave Ownership Project, University College London, and Department of History and Archaeology, UWI, Mona, The University of the West Indies, Mona, 2 June 2015. 6pp. & 24Ppt. slides.

Robert Sierakowski

- “Ideology, Intuition and Insurrection: The Sandinista Revolution in Historical Perspective,” Political Science from the South Conference, University of Havana, Cuba, 21 November 2014. 26pp.

- “Radical Politics as Moral Regeneration in Nicaragua, 1956–1979,” Department of History and Archaeology, UWI, Mona, Staff/Postgraduate Seminar, 5 December 2014. 20pp.
- “Simón Bolívar in Jamaica,” Institute of Jamaica, Speaker’s Corner Lecture, St. William Grant Park, Kingston, 14 May 2015. 18pp.
- “Cantina Caciques: Moral Conflicts over Traditional Culture in Somoza’s Nicaragua,” Latin American Studies Association (LASA) Annual Meeting, San Juan, Puerto Rico, 29 May 2015. 16pp.
- “I Give Thanks to the Somozas: Oral History of the National Guard of Nicaragua,” VI Meeting of Latin American Oral History, Heredia, Costa Rica, 23 June 2015. 28pp.

Matthew Smith

- “The Haytian Situation: Caribbean Reflections on Haiti’s Long Nineteenth Century,” Keynote address for *After Revolution-Visions and Re-Visions of Haiti*, Institute for Black Atlantic Research, University of Central Lancashire, Preston UK, 9–10 July 2015. 25 pp.
- “King of the Drum: Ti-Roro and Haitian Vodou Music,” *Grounation: Riddim Across the Atlantic: De Drums in Africa and its Diaspora*, Institute of Jamaica, 15 February 2015. 15pp.
- “Geographies of Identity, Solidarity, and Belonging in the Nineteenth-Century Atlantic,” 129th Meeting of the American Historical Association, New York City, 3 January 2015. 10pp.
- “From Haiti: Migration and Diaspora in the Nineteenth Century Caribbean,” Centre for Latin American and Caribbean Studies, New York University, 6 November 2014. 25pp.
- “Jamaica Needs Haiti: Cultural Relations and Island Exchanges in the 1950s,” 26th Annual Conference Haitian Studies Association, University of Notre Dame, South Bend, Indiana, 8 November 2014. 20pp.

Swithin Wilmot

- “Commentary on Jamaica in Post Slavery as discussed in Richard Dunn, *A Tale of Two Plantations: Slave Life and Labour in Jamaica and Virginia*,” 47th Annual Conference of the Association of Caribbean Historians, Nassau, Bahamas, 17–22 May 2015. 11pp.

PUBLICATIONS

Books & Monographs:

Jenny Jemmott

- *Ties That Bind: The Black Family in Post-Slavery Jamaica, 1834–1882*. Kingston: The University of the West Indies Press, February 2015. 263pp.

Matthew Smith

- *Liberty, Fraternity, Exile: Haiti and Jamaica After Emancipation*. Chapel Hill: University of North Carolina Press, 2014. 428pp.

Waibinte Wariboko

- *Elem Kalabari of the Niger Delta: The Transition from Slave to Produce Trading under British Imperialism*. Trenton-NJ: Africa World Press, 2014. 304pp.

Journal Articles & Book Chapters

Aleric Josephs

- “Jamaica Planter Women and the Challenges of Plantation Management”, *The Journal of Caribbean History* 49, 1 (2015). Pp.1–29.

Enrique Okenve

- ‘They never finished their journey: The territorial limits of Fang ethnicity in Equatorial Guinea, 1930–1963,’ *International Journal of African Historical Studies* 47, 2 (2014): pp. 259–85.

Taka Oshikiri

- 'Tea in Japan'. In *Encyclopaedia of the History of Science, Technology, and Medicine in Non-Western Cultures*. Helaine Selin (ed.), http://link.springer.com/referenceworkentry/10.1007/978-94-007-3934-5_10175-1.

James Robertson

- "Rewriting Dr. No in 1962: James Bond and the End of the British Empire in Jamaica," *Small Axe* no. 47, July, 2015, pp. 56–78.
- "Eighteenth-Century Jamaica's Ambivalent Cosmopolitanism," *History* 99 no. 4, October, 2014, pp.607–631.
- Review. Jenny Shaw, "Everyday Life in the Early English Caribbean: Irish, Africans, and the Construction of Difference". Athens, Ga: University of Georgia Press, 2013. In *Florida Historical Quarterly* 93 no. 3, Winter 2015, pp.475–477.
- "The King James Version at 400," *Groundings: Theological Reflections* 33, 2015, pp.24-43.

Matthew Smith

- "Transient Histories: Memory and Movements within the Nineteenth Century Caribbean," *Transatlantic Caribbean: Dialogues of People, Practices, Ideas*, Ingrid Kummels, Claudia Rauhut, Stefan Rinke, Birte Timm (eds). Bielefeld: Transcript Press, 2014, Pp.273–290.
- Review. Colin A. Plamer, *Freedom's Children: The 1938 Labor Rebellion and the Birth of Modern Jamaica* (Chapel Hill: University of North Carolina Press, 2014), *Cercles* 33 (2014): <http://www.cercles.com/review/r72/Palmer.html>.

Swithin Wilmot

- "Black Voters and Jewish Politicians: Electoral Politics in Three Jamaican Parishes, Kingston, Portland and St Mary in the Post-slavery Period," *Journal of Caribbean History*, Vol. 49:1 (2015). pp. 30–52.

PUBLIC SERVICE

Zachary Beier

- Member, Executive Committee of the Archaeological Society of Jamaica.

Dave Gosse

- Chairman, Board of Management, Ardenne High School.

Jenny Jemmott

- Member, National World Heritage Committee, Jamaica National Heritage Trust.
- Member, Departmental Representative: UNESCO/African Caribbean Institute of Jamaica/ Jamaica Memory Bank: Project on Intangible Cultural Heritage Committee.

Aleric Josephs

- Chief Examiner, CAPE (History) for Caribbean Examination Council.

Kathleen E. A. Monteith

- Member, Editorial Board, *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.
- Member, Executive Committee, Jamaica Historical Society.

James Robertson

- Vice President, Jamaican Historical Society.
- President, Archaeological Society of Jamaica.
- Member, National Archives Advisory Committee.
- Member, Editorial Board, *Journal of Early American History*.

Matthew Smith

- Member, Board of Directors of the National Museums of Jamaica, Institute of Jamaica.
- Chair, Content Sub-Committee, Board of Directors of the National Museums of Jamaica, the Institute of Jamaica.
- Member, Editorial Board, *Small Axe*.
- Member, Editorial Board, *Social and Economic Studies*.

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, Board of Trustees, The Archbishop Samuel Carter Educational Fund.
- Member, Board of Directors, National Museum of Jamaica, Institute of Jamaica.
- Member, Editorial Board, *Journal of Caribbean History*.
- Editor, *Journal of Caribbean History*.
- Convener, Executive Nominating Committee of the Association of Caribbean Historians.

INFORMATION ON STUDENTS

Prizes Awarded

The Gladwyn Turbutt prizes for:

European History

Cornel Justin Anthony Bogle

Department of History and Archaeology

Archaeology	Sherdaye Bennett
Atlantic World History	Johanna Elizabeth Shoucair
Historical Methodology	Camesha Jhonell Lindsay
Asian History	Jordan Craig
Heritage Studies	Johanna Elizabeth Shoucair
The Neville Hall prize:	
History of the Americas	Yuchen Andre Moodie
The Walter Rodney prize:	
African History	Lipton Orlando Matthews
The Elsa Goveia prize:	
West Indian History	Camesha Jhonell Lindsay

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

A new Head of Department, in the person of Dr. Lawrence Bamikole, Senior Lecturer in Philosophy assumed office on 1st of August, 2014 with the avowed vision to unify and integrate the different Sections, Units and Centres that constitute the Department. In this connection, an events committee was established and entrusted with the task of overseeing events that encompassed all the different organs that make up the Department. This committee contributed to the successful execution of the Departmental plans and activities during the 2014/ 2015 academic year.

The Department participated fully in the University Research Days held February 9–11, 2015. Research was presented by Dr. Michele Kennedy with Mrs Trecel Messam-Johnson, Ms Kadian Walters and Dr. Lawrence Bamikole with Ms Sandra McCalla. The Philosophy Section held a

Panel Discussion on “Freedom and the Democratic State”. Dr. Caroline Dyche organised two critical thinking UWI Research Day 2015 workshops delivered by Dr. Carmeneta Jones, and attended by students from Calabar High School and the American International School of Kingston. The Linguistics Section held Mini Lectures on Language and Linguistics and Cape Workshops on Communication Studies.

In an effort to showcase the research conducted by both post graduate students and staff members, the Department hosted its Postgraduate Research Day and Staff Research Day on May 14, 2015 and June 25, 2015, respectively. The papers presented at the Staff Research Day will be published in a special edition of the *Caribbean Journal of Education*.

The new undergraduate Grading Scheme which was introduced during the 2014/2015 academic year was successfully implemented by the Department. The new taught Masters programme in Philosophy with a new credit regime of 38 credits was introduced during the 2014/2015 academic year. During the 2014/2015 academic year, various new courses were approved for teaching in the Linguistics and Philosophy Programmes. Especially of importance, is the approval of the M.Sc. Speech-Language Pathology Programme, which is a joint offering between the Department and the Faculty of Medical Sciences. Interviews were conducted to appoint the Director and another full time staff to kick start the Programme in the 2015/2016 academic year. Two courses in Caribbean Philosophy have also been approved in response to the Quality Assurance Review in Philosophy that took place in 2012. The Caribbean Sign Language programme was also approved with the appointment of Dr. Keren Cumberbatch as Lecturer on a full time regular position.

With the mandate of showcasing the course offerings of the Department, a television advertisement was commissioned which aired on Television Jamaica (TVJ) on March 31, 2015 during the Schools’ Challenge Quiz 2015 Finals. The advertisement featured prominent Jamaicans who studied Language, Linguistics and Philosophy at the University. Additionally, members of the Department continued to visit high schools to promote the programmes offered by the Department. Dr Caroline Dyche represented the Department on the Faculty of Humanities and

Education Marketing and Outreach Committee for the 2014/2015 academic year.

The Department held its Staff Retreat under the theme “Re-connecting and Re-visioning: Overcoming the Challenges Together” on Tuesday, May 19, 2015. The Retreat enabled the Department to think strategically about the future and to develop the necessary plans to achieve the objectives set within the 2014–2017 Departmental Operational Plan. Members of the Department were assigned to spearhead the different perspectives within the Operational Plan.

The English Language Section held a Cross Campus Meeting on January 12–14, 2015 at the Regional Headquarters, UWI Mona to discuss the English Language Foundation Courses with counterparts across the four campuses: Mona, Cave Hill, St Augustine and Open Campus. An important aspect of these meetings was to gain information relating to content and delivery of these courses, and where possible, to attain equity and consistency in objectives and assessment. Recommendations were made and submitted to OBUS for examination and discussion.

The continuity and sustainability of the Communication Across The Curriculum (CAC) initiative in the Sciences, which was introduced into the then Pure and Applied Sciences in 2007, as WAC (Writing Across The Curriculum), has been assured with the institution of a Departmental Award from the Faculty of Science and Technology to a Language and Linguistics Post graduate student. The Graduate student will continue the delivery of writing and speaking modules to select courses in Chemistry and Life Sciences and will also assist with the gathering and analysis of data related to this programme. This new development has been featured in the May 2015 issue of *Mona News Magazine*.

As a member of the Communication Across the Curriculum Working Group, Dr. Caroline Dyche edited the first online version of the Office of the Board for Undergraduate Studies (OBUS) peer-reviewed journal *Quality Education Forum*, published December 2014. The theme for the journal was 'Student Populations & Increased Educational Provision: Analyses & Responses'.

Department of Language, Linguistics and Philosophy

The Linguistics Section underwent a Quality Assurance Review from Monday, March 9, 2015 to Friday, March 13, 2015. The Quality Assurance Review was completed with input from members of the Section, a cross section of students and graduates and the Head of the Department. A report was received from the Quality Assurance Unit and the Linguistics Section along with the Department are deliberating on the recommendations.

Within the Linguistics Section, Professor Silvia Kouwenberg and Dr. Michele Kennedy co-led the development and implementation of the UWI-Ministry of Education Language Project for Primary School Teachers Initiative, to be piloted in the Christmas Term of 2015–2016. Approval was given in March 2015 and meetings were held with teachers at some schools. Dr Yewande Lewis-Fokum and Mrs Joan Hernandez of the School of Education are partners in the project.

The Section of Philosophy, in collaboration with The Department of Literatures in English and CARIMAC, hosted the Second Africa World Documentary Film Festival from October 2–5, 2014 at the Neville Hall Lecture Theatre, UWI, Mona Campus. The AWDF is an annual festival that is held at venues around the world in partnership with the E. Desmond Lee Professorship in African/African-American Studies, International Studies and Programs at the University of Missouri, Saint Louis.

The Philosophy Section held the annual Ghandi Day Celebrations on October 2, 2014 at the Faculty of Humanities and Education under the theme “Passing on the Peace”. A synopsis of the life of Mohandas Karamchand Gandhi was done by Dr. Lawrence Bamikole. The Section of Philosophy with the help of the Department held a very successful UNESCO World Philosophy Day on November 21, 2014. The Inaugural Philosophy Professorial Lecture by Professor John Bewaji was held on Thursday, February 19, 2015 at the Neville Hall Lecture Theatre (N1). The title of the lecture was “Liberation Humanities for Africa and the Diaspora”.

The English Language Proficiency Test Unit (ELPTU) conducted seven

(7) test sittings during the 2014/ 2015 academic year. Overall, there was an increase in the number of candidates who sat the test when compared to last year's numbers (1212 vs 1484). The number of tests offered will be reduced to three (December, April and August) in the upcoming 2015/2016 academic year as a result of low enrolment due to the introduction of FOUN 1019.

The IELTS Centre at Mona continued to carry out its key mandate of delivering the English Language tests twice monthly. For the period under review, 22 tests were delivered with a total of 1249 candidates. Additional personnel were employed to the Centre in order to improve the smooth and efficient flow of its operations. An Assistant Coordinator was employed in January 2015 and a Secretary in February 2015. Several training workshops were conducted during this period and fourteen new invigilators were employed along with twelve new clerical markers. The British Council, having acquired the mandate to conduct two new English Language tests by the UK immigration authorities, requested the IELTS Centre to deliver the UKVI and LIFE SKILLS tests on a quarterly basis.

Due to the high demand for the IELTS test, submissions were made to the British Council as well as the Bursary for permission to expand the offerings of the IELTS Centre to the Western Jamaica Campus of the University. Approval was received from both authorities and plans are being effected for the establishment of an IELTS office at this location. A Coordinator and an Assistant will oversee the operations there.

The Jamaican Language Unit (JLU) carried out the Language Attitude Survey – 10 years later: Project for L331. The instrument used for the Language Attitude Survey which was conducted in 2005 was updated and administered by the students of the L331 Language Planning class in Kingston, Montego Bay, Trelawny and St. Mary. The data was analyzed and a report is in progress. 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.

Two (2) overseas researchers visited the Jamaican Language Unit; Angela Castro, Professor and Director of the Master's in English Didactics at Universidad del Tolima Colombia and Mr. Renauld Govain, a Lecturer from the State University of Haiti. Prof. Castro sought to create links with the MA in the English Language programme administered by the JLU. Mr. Govain sought to do research on the similarities between Jamaican Creole and Haitian Creole and to discuss the possibility for greater collaboration between the respective Universities.

The Office of Principal funded the Radio News Broadcast in the Jamaican Language Project (Braadkyaas Jamiekan) for a year. This project also created and maintained a glossary for the news items as well as the translation processes. An application is in development with the intent to raise funds for the continuation of the project.

The MA in English Language programme offered through the Jamaican Language Unit was revamped and rewritten. The new version is now being circulated to the relevant offices before being sent to the Campus Board for Graduate Studies for consideration with an aim to begin offering the new programme in 2016/2017 academic year.

The Writing Centre continued to offer individual coaching for 10 hours per week and writing workshops offered (10 persons per session) on various aspects of writing a research paper. The sessions were attended mainly by students pursuing English Language foundation courses. Room two at The Writing Centre was re-configured with four (4) new computers.

PAPERS PRESENTED

- **Lawrence Bamikole** "Towards Mental Liberation: Bob Marley and Liberation Discourse". Presented at the Caribbean Philosophical Association Conference, Shifting the Geography of Reason XII: Technologies of Liberation at the IBEROSTAR Paraiso Beach, Riviera Maya, Quintana Roo, Mexico, 18–21, June, 2015. 27pp.

- **Lawrence Bamikole** and Khimaja Connell, “Inner and Outer Beauty: The case of the Jamaican Woman”. Presented at the DLLP Graduate Research Day, May, 15, 2015, 10pp.
- **Lawrence Bamikole** “The Priority Argument and Development in Africa”. Presented at Annual African Conference: Development, Urban Space and Human Rights at the University of Texas at Austin, USA. 3–5 April, 2015. 30pp.
- Annife Campbell, Deidrea Dwyer Evans, Carmeneta Jones, Vivette Milson-Whyte, and Marilyn Ricketts. “Taking Risks to Help At-risk Students in Academic Writing in a University in Jamaica: Transnational Connections to the 2013 NCTE-sponsored Listening Tour”. Presented at the 66th annual Convention of the Conference on College Composition and Communication, Tampa, Florida, March 2015. 1 poster + 3pp.
- **Hubert Devonish**. Keynote address on “Jamiiekan Langwij to di worl: Language in International Music and Sport”. The Edna Manley College Bilingual Conference. Edna Manley College of the Visual and Performing Arts October 2014.
- **Hubert Devonish** “New Model for Old: Funding UWI for the Long Haul” Best Practices in Higher Education Conference, Trinidad, June 2015.
- **Hubert Devonish** “Post-Independence History of the Jamaican Language”. Plenary session at the Society for Caribbean Linguistics Conference, June 2015.
- **Carmeneta Jones**. “Medical Science Students’ Perceptions of Poster Design and Presentation in a Higher Education Foundation Writing Course” at the Caribbean Tertiary Level Personnel Association Conference Trinidad, June 12, 2015.
- **Carmeneta Jones**. “Research-based Literacy Interventions for Boys” at the Jamaica Reading Association Conference, Kingston, November, 2014.
- **Silvia Kouwenberg**, “Null subjects in Papiamentu: Accounting for a

partial pro-drop language.” 20th Biennial Conference of the Society for Caribbean Linguistics (SCL). Holiday Inn Beach Resort, Aruba, 5–8 August 2014.

- **Silvia Kouwenberg**, John Victor Singler and Simon Mitchell. “The quality of the output is determined by the quality of the input: Methodological issues in new computational approaches to creole typology”. Joint Conference of the Society for Pidgin and Creole Linguistics and the Associação de Crioulos de Base Lexical Portuguesa e Espanhola. University of Graz, Austria, July 7–9 2015.
- **Silvia Kouwenberg**. “The strange absence of Amerindians in creole formation: the Berbice Dutch case.” Joint Conference of the Society for Pidgin and Creole Linguistics and the Associação de Crioulos de Base Lexical Portuguesa e Espanhola. University of Graz, Austria, July 7–9 2015.
- **Sandra McCalla** and **Renae McCalla**, “What can we know for certain? A Modern Explanation.” American Canadian Conference for Academic Disciplines, Harvard Medical School, May 26–30, 2015, 12pp

PUBLICATIONS

Books and Monographs

- **Professor John Bewaji** (2014) “Ethics, a branch of Philosophy” in Bewaji J. A. I., et al, eds. *Introduction to Logic and Philosophy*. Ede, Nigeria: GSP-RUN (ISBN 978-978-723-510-3); pp. 67–104.
- **Professor Hubert Devonish**, Dr Karen Carpenter & Dr. Paula Daley-Morris ‘School Rules: Language Education Policies and Practices in the Creole-Speaking Caribbean’ in Androula Yiakoumetti (Ed). *Multilingualism and Language in Education: Sociolinguistic and Pedagogical Perspectives from Commonwealth Countries*. Cambridge University Press, Cambridge, 2015 pp143–160 (June)
- **Professor Hubert Devonish** ‘The Creole-Speaking Caribbean: The Architecture of Language Variation’ in Dick Smakman, Patrick

Heinrich (Eds). *Globalising Sociolinguistics: Challenging and Expanding Theory*. Routledge, New York, 2015, pp 137–150 (June)

- **Professor Hubert Devonish and Ms Kadian Walters** ‘The Jamaican Language situation: a process, not a type’ in Dick Smakman, Patrick Heinrich (Eds). *Globalising Sociolinguistics: Challenging and Expanding Theory*. Routledge, New York, 2015, pp 223–232 (June)
- **Dr. Ingrid. McLaren** “Navigating the scientific landscape via a writing across the curriculum program: Outcomes, possibilities and challenges”. *New Developments in Science Education Research*. Ed., Nathan Yates. Nova Science Publishers: NY, New York. 2015, 171–189.
- **Dr. Vivette Milson-Whyte**, *Academic Writing Instruction for Creole-Influenced Students*. Kingston: The University of the West Indies Press, 2015.

Refereed Journal Articles

- M. Chisholm and M. **Kennedy**. “Widening Participation in Higher Education: The Case of the UWI”. *UWI Quality Education Forum*. 20. (2014) 34–61.
- **S. Kouwenberg**. “Dutch Guiana: Demographics and living conditions and the emergence of Dutch creoles during the first one hundred years, 1580–1675”. *Journal of Language Contact* 8, 2015. 70–90.
- **S. McCalla**, N Shepherd, “Moral Ethical Analysis of Performance Enhancement Drugs in Sports”, *International Journal of Arts and Sciences* (2014); 371–381.
- **T. Francis** and **I. McLaren**. “Enhancing Communicative Competence: An Audience-Centred Approach to ‘Speaking Across the Curriculum’”. *UWI Quality Education Forum* 20, (2014): 83–110.

Technical Reports

K. Cumberbatch. *Situational Analysis of Deaf Education in Guyana*. Report commissioned by the Deaf Association of Guyana and endorsed by the Ministry of Education, Guyana. 2015.

INCOME GENERATION

The programme 'Writing in the Workplace' was created through the Writing Centre for National Housing Trust (NHT) staff at the level of Administrative Assistant and Secretary. A series of workshops, held over eight weeks, were delivered between September and November 2014 and were facilitated by some English Language Instructors. There were 30 registered participants from various NHT offices and departments in Kingston, Clarendon, St Catherine, and Manchester.

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. This was paid to them on a quarterly basis. The cost of the test was \$25,000.00 in 2014 but was increased to £175.00 or its Jamaican equivalent in January 2015.

Another source of income for the Department was the Summer School programme held June–July 2015. Courses offered included Foundation, Language, Linguistics and Philosophy.

PUBLIC SERVICE

- **Dr. Keren Cumberbatch** is currently a Board Member of the Danny Williams School for the Deaf. Dr. Vivette Milson-Whyte serves as a Council Member, Girl Guides Association of Jamaica and was also Guest Speaker at the Awards Ceremony coinciding with the 100th Anniversary of the Girl Guides Association of Jamaica, Kingston on March 15, 2015.
- **Professor John Bewaji** holds the position of Chairman, Jamaica National Bioethics Committee of UNESCO (NBCJ). Professor Bewaji is also a Member of the Global Bioethics Organizing Committee, Global Bioethics Summit, Berlin, Germany, 2016. Additionally, Professor Bewaji is the Editor of the Caribbean Journal of Philosophy.
- **Dr. Michele Kennedy** was appointed in January 2015 to serve as a Member of the Board of Governors of St Michael's Theological

College and she is also a Member of the Board of Governors of The Catholic College of Mandeville. Dr. Kennedy is also a Member of the Selection Committee for the Percy and Alice Chang Education Foundation Scholarships for Tertiary Education.

- Ms **Sandra McCalla** gave a motivational Talk titled “The Absurdity of Life Without Integrity” to members of staff at the Office of the Contractor General on January 23, 2015.

STUDENTS

Prizes awarded

Foundation courses:

Best Student in FOUN 1012 – Serita-Gaye Levy

Best Student in FOUN 1013 – Matthew Blake

Best Student in FOUN1014 – Shorna Smith

Best Student in FOUN1015 – Tanesha Ashbourne

Best Student in FOUN 1019 – Chantal Dixon

Best Student in FOUN 1002 (Language Argument) – Precianne Miller

Linguistics

Best Level-I Student – Serita-Gaye Levy

Best Level-II Theory Student – Kayla Webb

Level-II Non-theory Student – Kayla Webb

Level-III Theory Student – Sashann Dixon

Level-III Non-Theory Student – Sashann Dixon

Philosophy

Best Level-I Student – Randy Davidson

The *John Reinecke Prize* for Best Pure Linguistics Graduating Major – Sashann Dixon

DEPARTMENT OF LIBRARY AND INFORMATION STUDIES



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

WORK OF THE DEPARTMENT

Teaching and Learning

Curriculum Review Meeting

Rationale for Curriculum Review of the BA in Librarianship Programme

As part of the DLIS thrust to re-position itself and to reflect current trends and development in the information profession and industry, and to meet the demands of The UWI Strategic Plan, the DLIS decided to conduct a curriculum review of the BA in Library and Information Studies Programme. This review was also recommended by the Quality Assurance Team in 2012 when the DLIS was assessed. This curriculum review was also necessary because the courses offered in Year II did not provide the scope for selection of courses to comprise a minor.

The objectives of this review are therefore to:

1. Ensure that the ALA core competencies are reflected in the content of the courses
2. Re-position the Management courses to year 2
3. Merge or eliminate courses where necessary
4. Identify courses that need up-dating
5. Identify new courses to be developed
6. Create undergraduate minors

Results of the Review

Year I / Level I

- LIBS1001 – Information and Society and LIBS1002 – Information Organization and Dissemination will be merged. The space that is created will be filled by the newly developed course LIBS1401 – Introduction to Online Searching (to be approved). The unit on the historical overview of libraries is to be revisited with the intention to shorten.
- LIBS1202 – Management of Information Systems II will be moved to Semester I – Level II

Year II / Level II

- LIBS1202 – to be moved to Semester I – Level II
- LIBS2201 – Information Resources, Their Communication and Conservation – to be re-named
- LIBS2501 – Automation in Information Work I – to be eliminated
- LIBS2502 – Computer Applications in Libraries and Information Units – to replace LIBS2501

Year III / Level III

Three courses will be compulsory. These are the two library administration courses:

Department of Library and Information Studies

- LIBS3005 – Management of Libraries in Selected Environments AND LIBS3006 – Caribbean School and Public Libraries: Practice and Issues. The third compulsory course will be LIBS3604 – Teaching Information Literacy. The additional three credits to complete the required number of library credits can be taken from the following:
- LIBS3206 – Information Resources in Selected Environments; LIBS3207 – Literature for Children & Young Adults; LIBS3502 – Technology in Libraries: Database Design & Management; LIBS3702 – Preservation Management for Libraries & Information Units; LIBS3801 – Records Management: Principles & Practice; and LIBS3901 – Access to Information in the Caribbean
- Summer School only: LIBS3207 – Literature for Children and Young Adults

Minors Proposed:

(1) Information Management – A total of 18 credits

Courses:

Level I

LIBS1001 – Information & Society (Combination of LIBS1001 & LIBS1002)

Any FIVE (5) courses from Levels II and III

Level II

- LIBS2702 – Information Architecture: Web Access & Usability
- LIBS2301 – Research Methods in Library and Information Studies
- LIBS2502 – Computer Applications in Libraries and Information Units

Level III

- LIBS3502 – Technology in Libraries: Database Design & Management
- LIBS3801 – Records Management: Principles and Practice
- LIBS3901 – Access to Information in the Caribbean

(2) Archives and Records Management - A total of 18 credits

Courses:

Level I

- LIBS1001 – Information & Society (Combination of LIBS1001 & LIBS1002)

Any FIVE (5) courses from Levels II and III

Level II

- LIBS2702 – Information Architecture: Web Access & Usability
- LIBS2201 – Information Resources, Their Communication and Conservation
- LIBS2301 – Research Methods in Library and Information Studies
- Level III
- LIBS3702 – Preservation Management for Libraries & Information Units
- LIBS3801 – Records Management: Principles and Practice
- LIBS3901 – Access to Information in the Caribbean

Curriculum Review and Enhancement

The Department expanded its course offering to meet the demands of the information profession.

New courses:

Undergraduate:

- LIBS1401 – Introduction to Online Searching
- LIBS2502 – Computer Applications in Libraries & Information Units
- LIBS2702 – Information Architecture: Web Access & Usability

Department of Library and Information Studies

- LIBS3702 – Preservation Management in Libraries and Information Units

Graduate:

- ARCM6001 – Fundamentals of Archives & Records Management
- ARCM6002 – Acquisition, Organisation & Use of Archival Materials
- ARCM6003 – Preservation of Archival Materials in Tropical Environments
- ARCM6004 – Records Management in a Digital Age
- LIBS6106 – Management of Libraries & Information Units
- LIBS6306 – Legal Information Resources Management

ARCM6001 and ARCM6002 are scheduled to be offered in academic year 2015/2016 as electives in the MALIS and MLIS programme.

Archives/Records Management Programme

Mr. John Aarons, Adjunct Lecturer in the Department and retired University Archivist was contracted as Coordinator for the Archives and Records Management Programme for the period February 1, 2015 to August 31, 2015. Among his responsibilities were the development and coordination of several detailed course outlines; development of a budget for Programme Proposal; and liaising with a Group of Experts for comments and recommendations on course/programme development. The position of Lecturer in Archives and Records Management remains vacant due to the rejection of an offer which was made to the successful applicant. The position will be re-advertised.

Articulation of UWI Bachelor of Arts in Library and Information Studies with Council of Community College (CCCJ) Associate of Science Degree in Library Technical Studies

A series of meetings were conducted with representatives of the CCCJ, the Department of Library and Information Studies (DLIS), and Dr. Christine Marrett from the UWI's Central Office for Regional and

International Affairs (CORIA), towards articulation between the Associate Degree in Library Technical Studies, offered by the Council of Community Colleges of Jamaica through Excelsior Community College (EXED) and the Bachelor of Arts in Library and Information Studies offered by the DLIS. The courses offered by the School of Library Technical Studies at EXED were rigorously examined by DLIS with support from the Departments of Modern Languages; Cultural Studies; and Language and Linguistics and Philosophy. Dr. Christine Marrett provided advice on the University's perspective in the process.

Approval process

Based on the UWI requirements the Evaluation Forms for Associate Degree Courses were completed for each of the courses to be articulated. Completion of the evaluation form required submission of a number of documents such as examination questions, sample scripts and teacher profiles. The request for exemption from three courses was presented to FAQAC, Faculty of Humanities and Education Board and AQAC where it was supported and approved. The process for full articulation into the Year II programme will continue.

The UWI Research Ethics Committee

On April 20, 2015, Dr. Mairette Newman from the School of Education made a presentation on "Ethical Review: Understanding and Navigating the Process" to the staff and students of the DLIS at the request of the Head of Department. The purpose of the presentation was to make faculty and students aware of the requirements of the UWI Ethics Committee regarding the research proposals and the process for submission and vetting. The meeting was attended by twenty-two faculty members and students. The following concerns were raised:

- The lengthy turnaround time for proposals to be vetted and returned to students and faculty
- Delayed communication between the ethics committee and researcher

- The lengthy processing time is likely to cause students to pay added tuition.

Recommendations from the Department:

Based on the challenges identified, the Department recommended a shortening of the turnaround time by adding more faculty members from FHE to the UWI Ethics Committee. These additional Faculty members should have expert knowledge in qualitative research. The FHE could also look into the possibility of having an Ethics Committee within the Faculty, similar in operation to FAQAC.

Workshop on Online Delivery

The Department hosted a workshop on January 15, 2015 which was geared towards equipping staff for delivery of courses in the blended learning mode. Presentations were made from Ms. Shamelia Francis and Ms. Rochelle Watkis from MITS. Faculty will use the skills acquired in the delivery of the online programme which will commence in August 2015.

Summer School/Summer Activities

Activities for 2014/2015 included the following:

Summer School:

Undergraduate Course: LIBS3207 – Literature for Children & Young Adults

Postgraduate Course: LIBS3801 – Records Management: Principles & Practice

Semester III:

LIBS6201 – Catalogue Creation & Use

LIBS6202 – Subject Analysis & Indexing in Information Retrieval

LIBS6504 – Integrated Library Systems

Workshop: Koha – A Viable Option for Caribbean Libraries: June 24–26, 2015.

New UWI GPA System

Dr. Dian McCallum conducted a seminar in the Department on Friday, February 20, 2015 under the topic, “Assessment Matters: Developing Schemes and Scoring Rubric.” Other sub-topics discussed were Different Types of Assessment Items; Allocation of marks to questions and Table of Specification

Undergraduate Student Exit Interview

To fulfil one of our objectives as indicated in the DLIS Strategic Plan, an exit interview was conducted with the outgoing third year students. A questionnaire was administered to thirteen of the seventeen students who were expected to graduate; eight of the respondents were full-time and five part-time.

The data revealed that while working and studying helped some of the students to hone their time management skills, some of the negative effects were extreme tiredness, low grades, difficulty coping with work and school, inability to manage time, and challenges attending classes because of clashes between work and class schedule. Students mentioned that the practical nature of the courses such as the tutorials and the field trips, the variety of courses and the teaching methods impacted their learning in a very positive way. In response to what component of the programme they expected to serve them well professionally, the most popular responses were management courses, cataloguing and classification, and the information technology courses.

In their reflections on the relationships within the department, students’ responses indicated that they were generally satisfied, but spoke of the challenge of sharing the computer lab and the reading room with students from other departments. Some suggestions for improvement to the programme included:

1. Combination of some first year courses to facilitate development and offering of additional courses
2. Inclusion of more practical activities in all the courses
3. Changing the name of the degree to Bachelor of Arts in Information Studies
4. More aggressive marketing of the programme

GRADUATE STUDIES AND RESEARCH

Blended Learning Initiatives: MALIS and MLIS Programmes

Approval was granted to the Department to offer the Master of Arts in Library and Information Studies (MALIS) and the Master of Library and Information Studies (MLIS) programmes in a blended learning mode. Prior to gaining approval, the Department sought the guidance of Mrs. Pauline Cobleby who recommended that the teaching, monitoring and evaluation of the online experience should be clearly evident in the proposal. The following sections were therefore included in the proposal which was re-submitted to the Campus Committee.

Teaching

A significant component of the programme will be delivered asynchronously. This will necessitate e-tutor support to supplement e-learning resources in ensuring that students are adequately engaged and remain motivated throughout the duration of the programme. Provision for e-tutors will be made to support teaching and learning. Provision will be made for one e-tutor: student ratio of 1:10. Face-to-face and the online sessions for each course will be taught by the same faculty.

Monitoring and Evaluation of the Online Experience

In addition to the standard assessment and evaluation instrument for face-to-face teaching and learning, there will be continuous monitoring of the online student experience and adjustments made where necessary.

This will be done by soliciting student feedback periodically through the online portal, as well as an end-of-semester online survey. The Department will work with the SVUS Unit to develop an appropriate evaluation instrument.

Recommendation for Future Delivery

Mrs. Cogley also suggested that over time the Department should consider offering all the courses in blended-learning mode, as prospective students are likely to experience challenges in attending face-to-face classes during the summer.

Impact of blended Learning on Application

Since the implementation of the online delivery there has been a significant increase in the number of applicants in the graduate programme. Online delivery will commence in September 2015 and will attract a wider cross-section of students from Bahamas, Trinidad and Tobago, Guyana and Dominica.

Staff/Graduate Research Seminars 2014/2015

As a means of highlighting and presenting areas of research, the Department re-established Staff/Graduate Research Seminars during the year with a total of 5 presentations.

DLIS New Initiative Research

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

The Department continued its work on the research project which began in September 2013 under The UWI Mona Principal’s New Initiative Grant, to determine the levels of media and information literacy among students at the exit stages of the education system in Jamaica. Chapters 1 and 2 of the research which include the objectives for the research, methodology, and literature review have been completed.

The analysis, conclusion, implications and recommendations will be completed by October 2, 2015.

UWI Research Days 2015

UWI Research Days, February 9–11, 2015 focused on the theme “Innovating for Development through Science, Creativity, Productivity and Governance.” The Department’s participation was coordinated by the librarian, Ms. Paulette Bowen. Posters were displayed by staff and one graduate student under focus area #2 “Creating an Enabling Environment for Innovation and Development”.

Posters presented:

- **Stewart, Paulette.** “Moving Beyond Tradition: Technologies Facilitating Students’ Cognitive Ability and Modifying Pedagogical Practices of School Librarians in Jamaica and Antigua”
- **Kerr, Paulette.** MILID Yearbook 2014: Global Citizenship in a Digital World
- **Baker-Gardner, Ruth.** “A Proposed Model for the Induction of New Teachers in Jamaican Primary Schools”
- **McFarlane, Garrett.** “Faculty’s Use of Electronic Resources: A Survey”

Research Day Workshop

Dr. Rosemarie Heath delivered a presentation entitled, “Research and Writing: Maximizing SBA Scores While Minimizing Frustration,” to an audience of approximately 80 students and teachers from high schools and teachers’ colleges/universities.

OUTREACH AND PROMOTION

Outreach in Schools

The promotion of the Department through outreach activities continued throughout the year. Presentations were made to students and teachers at the Glenmuir High school, Calabar High School, Ascot High School and Wolmer's Trust High School for Girls. In addition, the Department developed a workshop entitled "Research and Writing: Maximizing SBA Scores while Minimizing Frustration." This was geared towards fulfilling the requirements of the CAPE syllabus for Caribbean Studies. The participants were therefore, primarily lower 6th form students from Calabar High School and Champion College. In response to the many requests from other schools and community colleges, the Department is preparing to host a number of similar workshops at the UWI.

Career Exposition 2015

The theme for Career Expo 2015 was "Winds of Opportunity: Driving Diversity, Innovation and Engagement." Participation of the Department saw to the promoting and showcasing of its programmes, highlighting professional development opportunities, and providing valuable career information to students and other visitors.

STAFF MATTERS

Academic Staff

The Department welcomed 4 additional members of staff.

- Full-time Staff: Dr. Ruth Baker-Gardner and Dr. Yan Wu, Lecturers
- Adjunct Staff: Mr. Nicholas Graham and Mrs. Claudette Solomon

On March 1, 2015, Dr. Paulette Kerr, was promoted to the post of Campus Librarian. A farewell function was held in honour of Dr. Kerr and was attended by faculty, administrative/support staff and students. Dr. Paulette Stewart served as Acting Head of Department for the period March 1–July 31, 2015.

Administrative Staff

- Full-time: Ms. Natoyna Miller, Library Assistant III appointed with effect from January 1, 2015.

Research Activity and Output

The Department continues to enhance the research output of staff through a number of initiatives including setting of research agendas as well as regular research circles in which full-time academic staff discuss and share research activity towards conference presentation and publication.

PAPERS PRESENTED

- **Kerr, Paulette.** Caribbean MIL Initiatives. Global MIL Week Conference and NAMLE Conference. Philadelphia. June 24–27, 2015.
- **Kerr, Paulette.** MILID Research and Initiatives at UWI. MILID Conference. Beijing, China. September 2014.
- **Kerr, Paulette.** Global Research and Initiatives in Media and Information Literacy and Intercultural Dialogue at the University of the West Indies. MILID Week Conference. Beijing, China. September 26–29, 2014.
- **Stewart, Paulette.** Access and Privacy of the Internet. UNESCO Conference. Paris, France. March 2015.
- **Stewart, Paulette.** Moving Beyond Tradition: Technology Facilitating Students' Cognitive Ability and Modifying Pedagogical Practices of School Librarians in Jamaica and Antigua. International Association of School Librarianship (IASL) Conference; Moscow, Russia. August 2014.
- **Stewart, Paulette.** Developing Online Master's Programs for Teacher-Librarians: Current and Proposed Programs at the UWI, Mona. International Association of School Librarianship (IASL) Conference; Moscow, Russia. August 2014.

- **Heath, Rosemarie.** The Department of Library & Information Studies, UWI, Mona: Empowering Information Professionals to Meet the Demands of the 21st Century Information Environment through Continuing Education. ACURIL Conference; Suriname. June 2015.
- **Durrant, Fay.** Balancing the Pros and Cons of Collaborative LIS Education: Making Professional Career Choices. ACURIL Conference, Paramaribo, June 2015.

PUBLICATIONS

Refereed Journal Article

- Durrant Fay, Adrian St Patrick Duncan, “An assessment of the usability of the University of the West Indies (Mona, Jamaica) Main Library’s website”, *The Electronic Library*, 2015 Vol. 33 Iss: 3, pp. 590–599.
- Baker-Gardner, Ruth. (2014). “A Proposed Model for the Induction of New Teachers in Jamaican Primary Schools”. *International Journal of Education and Research* 2:12. 283–296.

Book Review

- Bowen, Paulette. “Rev. of Wikis: The Educator’s Power Tool”, by Kay Teehan. *LIAJA Journal* 1 (2014): 62–63. EBSCOhost. Web. 6 June 2015.

PUBLIC SERVICE

Dr. Ruth Baker-Gardner

- Member of the Executive and Chairman for the Schools’ Section of the Library and Information Association of Jamaica (LIAJA)
- Member, National Public Library Advocacy Committee
- Member, International Association of School Librarianship (IASL)

Ms. Paulette Bowen

- Member, Library and Information Association of Jamaica (LIAJA)
- Member, International Association of School Librarianship (IASL)

Dr. Rosemarie Heath

- 2nd Vice President, Library & Information Association of Jamaica (LIAJA)
- Member, International Association of School Librarianship (IASL) Conference Planning Committee for the Caribbean and Latin America

Dr. Paulette Kerr

- Member, Standing Committee and Paper Reviewer European Conference on Information Literacy (ECIL)
- Member, Board of Directors, National Forum on Information Literacy (USA)
- Chair and UWI Representative on the UNESCO UNITWIN MILID Group
- Member, Association of Library and Information Science Education (ALISE)
- Co-Chair Work-in-Progress Poster Showcase ALISE Conference
- Member Library and Information Association of Jamaica

Dr. Paulette Stewart

- External Examiner, Doctoral Committees, Department of Graduate Education & Leadership at the Northern Caribbean University, Mandeville, Jamaica
- Director, International Association of School Librarianship (IASL) – Latin America and the Caribbean
- Member, Library and Information Association of Jamaica (LIAJA)
- National Judge for the Jamaica Public Library Reading Competition
- Committee Member, National Committee of the Appointment of Master Teachers, Ministry of Education

Dr. Yan Wu

- Member, Society of American Archivists
- Committee Member – Archives Management Roundtable
- Committee Member – Metadata and Digital Object Roundtable
- Committee Member – Archival Educators Roundtable
- Member, International Association of School Librarianship (IASL) Conference Planning Committee for the Caribbean and Latin America
- Volunteer Member, Chinese Benevolent Association of Jamaica
- Volunteer Member, Office of Special Student Services at the UWI, Mona

Professor Fay Durrant

- Board Member Jamaica Library Service
- Board Member National Library of Jamaica
- Member Jamaica National Commission for UNESCO Information and Communication Advisory Committee

STUDENT MATTERS

Practicum/Internship

Students were placed at national, public, academic, special and school libraries in Jamaica, Trinidad and the USA.

Programmes	Students placed	Countries of placement
Undergraduate	14	Jamaica (10), USA (3), Trinidad (1)
Graduate	2	Jamaica (1), USA (1)
Total Students Placed	16	

Faculty/Departmental Awards 2013–2014

Awards	Criteria	Student
Alumni Prize	Best Grade – Year 1	Jessiena Johnson
COMLA Prize	Best Grade – Year 2	Krystelle Scott
Daphne Douglas Prize	Outstanding Professional Development	Brinetta Lewis
Dorothy Collings Prize (Graduate)	Best graduate performance	Garrett McFarlane
Dorothy Collings Prize (Undergraduate)	Best overall undergraduate performance	Avis Holder
Dorothy Collings Prize	Best Grade in LIBS3006 – Caribbean School & Public Libs.	Yanique Brown
LIAJA Scholarship	Academic performance and commitment to the library profession	Yanique Brown

UWI LIBRARY AND INFORMATION STUDENT SOCIETY (UWILISS)

The Society hosted a total of 6 meetings with two Guest Speakers: Ms. Stephney Ferguson, Adjunct Lecturer in the Department of Library & Information Studies and Ms. Tanya Francis from the Office of Placement and Career Services. The theme for the semester, "You Are Important", sought to equip members with knowledge that could be used to identify their individual and potential importance in their current activities and future endeavours. The society also participated in Club Fusion on February 26, 2015 where visitors to the booth were given tips on stress management. In addition, the Society also obtained sponsorship from the Library and Information Association of Jamaica (LIAJA) towards the purchase of T-shirts for the Society. Fundraising activity was a bake sale in March.

Meeting with Student Representatives

On January 22, 2015, a meeting was held with staff and course representatives within the Department. The following were highlighted in the meeting:

- Course representatives expressed the view that the new GPA system should have been implemented for just the second and first years due to the fact that the first years were new, and the second years would not be significantly affected as the class of degree awarded was not affected by the grades obtained in first year.
- There was a need for an orientation session at the beginning of Semester II for those students who missed the session at the beginning of the first semester.
- The requirement for students to attend tutorials was stressed. Part-time students expressed the challenges they experienced in attending tutorials which were set at times that sometimes required them to travel to the campus twice on the same day.

The issue of the poor writing skills of students was discussed. Representatives were informed of the need to encourage their colleagues to use the services of the Writing Centre, especially on referral, as this was important to their academic success.

INTERNATIONAL PARTNERSHIPS

UNESCO and NORDICOM

The Department was invited by UNESCO and Nordic Information Centre for Media and Communication Research (NORDICOM) to participate in a feasibility study to determine among other things:

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

Department of Library and Information Studies

4. The format and type of courses to be delivered at the MIL institutions/organizations

A total of 7, 000 was granted to the Department for assistance with the study.

DEPARTMENT OF LITERATURES IN ENGLISH



Dr. Michael Bucknor, BA *UWI*, MA *Univ. Western Ontario*,
PhD *Univ. Western Ontario*
Head of Department

WORK OF THE DEPARTMENT

In the 2014/2015 academic year, the Department of Literatures in English, armed with the 2012–2017 Strategic Plan, consolidated UWT's role as the major institution for the development and celebration of literary and other artistic talent in Jamaica. This year we saw the response to our activities expand, with near capacity-filled three hundred –seat lecture halls at two book launches: one by veteran writer and scholar, Professor Emeritus Mervyn Morris and, the other, by rising, literary star, Tanya Shirley, Adjunct Lecturer. Our various activities which included several book launches, creative writing workshops, literary readings, reggae talks, film screenings and what is now our annual Poetry Clash Competition during Research Days helped to provide training in and

exposure to the creative arts. Our focus on creative writing and film studies received a huge boost with the appointment of Storm Saulter as Filmmaker-in-Residence. The department also held its annual Staff Retreat to work on the recommendations from the department's Quality Assurance Review which included the 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 will continue to work towards achieving its objectives in the 2015/2016 academic year.

In support of the strategic plan to anchor the department and university as the premier institution for instruction in filmmaking, Mr. Storm Saulter was appointed Filmmaker-In-Residence for Semester 2, Academic Year 2014/2015. The department also welcomed Ms. Shala Alert, Ms. Amina Blackwood Meeks and Mr. David Williams (Retired Senior Lecturer) as Part-time Lecturers for the academic year. The Contemporary Science Fiction course taught by Ms. Alert allowed the department to resurrect courses that were dormant for years. The Introduction to Orature course, taught by Ms. Blackwood Meeks, provided the foundation for the second level course, Folk Tale and Proverb, which unfortunately was not offered due to low registration, but will hopefully be taught in the upcoming academic year.

The Department offered four (4) courses in the summer: LITS2301, LITS2606, LITS3319 and LITS3806. This is the second year since we have reintroduced the summer programme, which will help in enhancing students' through-put, in facilitating opportunities for Study Abroad programmes and in providing varied learning opportunities for part-time students. In respect to Study Abroad programmes, we have been approached by three universities who wish to have their students take a course with us during the summer as part of their department's Study Abroad programme. Howard University in the USA is keen on resuscitating its Summer Abroad Programme to UWI in Summer 2016. The University of Leicester in the UK is setting up a Global Studies programme and met with us in Semester 2 to concretize plans for a possible Summer Abroad

with the department in 2016. We also met with representatives from St. Mary's University in the USA in Summer 2015 and explored the options available for their Summer Abroad programme.

We have sent one new course entitled "Narratives of Migration" through the course review process, we are finalizing the Minor in Theatre Studies in collaboration with the Philip Sherlock Centre for the Creative Arts and refining a proposal for a joint BA in Literature and Education, with the SOE. In response to the Quality Assurance Review, we are developing a Minor in Creative Writing and auditing various programmes with a view to designing our own MFA in Creative Writing.

GRADUATE STUDIES AND RESEARCH

The programme continued with a small cohort of students. The enrolment is expected to increase in the next few years with the introduction of the Blended Masters Programme in Literary and Educational Studies in partnership with the School of Education graduate programme. Meetings have been held recently with our partners in the SOE to finalize the structure of the joint Masters in Literary and Educational Studies. From our end, with our recognition that many of our students in the Literatures in English MA programme are teachers, we are adjusting the emphases in our graduate courses (within the ambit of the course descriptions) to accommodate the needs of these students. We are also taking note of the through-put rates and mobilizing the graduate studies mechanisms to keep track of students in the programme and to provide support for efficient conclusions to these programmes. We will be resurrecting our semester meetings on graduate students to audit progress.

The department will also be upgrading the credit rating of the MA Programme from 24 to 35 credits. Subcommittee meetings have also been held to review and revise course descriptions and course outlines.

Three (3) students, Whitney Eaton, Keilah Mills and Alexis Samuels were selected for the 2014/2015 Departmental Awards. Ms. Eaton provided support to Dr. Rachel Moseley-Wood, Associate Dean, Outreach and Marketing. Ms. Samuels provided support to Dr. Mawuena Logan,

Department of Literatures in English

Events Coordinator for the department, and Ms. Mills was Research Assistant for various research projects being conducted by lecturers. Ms. Keilah Mills presented a paper entitled, “Gender, Place, and the Politics of Difference: An Ecocritical Reading of Jean Rhys’ *Voyage In the Dark* and Toni Morrison’s *Tar Baby*,” at the 33rd West Indian Literature Conference, Cave Hill, Barbados, October 2–4, 2014. Bjorn Brown, MPhil student, went on the Canada-CARICOM Exchange Programme at the University of Alberta during the academic year. Ms Alexis Samuels won an ELAP Scholarship from the Canadian Government to attend the University of Waterloo as an Exchange Research Student.

STUDENT MATTERS

The Department hosted its annual First Year Social on Wednesday, September 10, at the Multifunctional Room, UWI Main Library. Students and lecturers enjoyed the interactive session. The Annual Faculty Awards Ceremony was held on Thursday, November 6. Students Khadijah Chin, Marie-Liese George, Karlene Johnson, Xavienne-Roma Richardson, Alexis Samuels, Peta-Gaye Williams and Shanese Whyte were presented with awards. The Gloria Lyn Memorial Prize was also introduced for the first time in honour of Mrs. Gloria Lyn who was employed to the Department of Literatures in English for 20 years (January 1972 to September 30, 1992). The prize is for the student with the best performance in any West Indian Literature course, and was won by Xavienne-Roma Richardson. The department facilitated the summer employment of two students (Shanese Whyte and Samantha Stephens) at The Bank of Nova Scotia. Two students, Latoya Briscoe and Renée James, were also employed as Student Assistants in the department during the academic year. Two undergraduate students, Shanese Whyte and Cornel Bogle, won Canadian ELAP Exchange Scholarships to McMaster University and Brock University, respectively. They will spend the first semester of the 2015–2016 academic year in Canada. Ms. Tanya Batson-Savage, former Adjunct lecturer, coordinated the “Poetry Clash Competition” on Wednesday, February 11, 2015, at the annual UWI Research Days. Unpublished poets (past and present UWI students)

competed and the top three (3) winners received a cash award. Peta-Gaye Williams won the 1st prize for the second year in a row; Kaleb D'Aguilar won the 2nd prize and Nikolai-Andre Alexander, the 3rd prize. Because of the enthusiastic support and engagement of the student population and the overwhelmingly positive feedback received, this poetry competition is now an annual event.

In an effort to provide guidance to our Second and Third year English Majors, the department held its annual Career Talk on Thursday, April 16 in N4. It was titled, "Literatures in English: Good for Public Service." The Guest Speakers were Kaytana McLeod, Principal Director, Office of the Cabinet and Lois Jennings-Walters, Deputy Chief Personnel Officer of the Services Commission. Two Departmental Consultative Committee (DCC) meetings were held for the academic year on Thursday, November 13, and Friday, March 12, respectively. These meetings allowed lecturers to meet with class representatives and receive reports from them regarding the courses taught, with the aim to improve the department's course delivery. The students were generally pleased with our teaching, but voiced their dissatisfaction with the unavailability of books at the UWI Bookshop.

ACTIVITIES AND OUTREACH

The 8th Edward Baugh Distinguished Lecture was held on Thursday, October 16, 2014 at the Faculty of Medical Sciences, Lecture Theatre 1. The guest speaker was Professor Evelyn O'Callaghan from the Cave Hill Campus. Her presentation was entitled, "Contesting Visual Meaning: West Indian Landscapes Real and Imagined." The Departments of Literatures in English, Language, Linguistics and Philosophy, and Carimac hosted the 7th Africa World Documentary Film Festival from October 2-5, 2014 in the Neville Hall Lecture Theatre (NI). Over twenty films were screened from Africa and African Diaspora communities around the world. The Festival was held in collaboration with the E. Desmond Lee Professorship in African/African-American Studies, International Studies and Programs at the University of Missouri, Saint Louis. It is held annually at venues around the globe.

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The Department conducted a series of writing workshops during the academic year. The first writing workshop, Preparing for Publication, was held on Saturday, November 1 in N2 and facilitated by Dr. Jeremy Poynting, Managing Editor of Peepal Tree Press. The workshop focused on “arranging a collection for publication,” “self-editing” and “the editing/selection process at Peepal Tree Press.” Then two workshops on Creative Writing: Children’s Literature were hosted by Kellie Magnus, Publisher and Award-Winning Writer of the Little Lion children’s book series. The first was held two evenings per week over a two-week period (November 10, 12, 17, 19), while the second was held on four consecutive Wednesdays (January 14, 21, 28 & February 4). Each workshop culminated with a public reading. Ms Magnus will be publishing the best children’s story that was produced during the workshops. Dr Erna Brodber (Writer, Research and Lecturer) conducted the 4th workshop, Creative Writing: Prose Fiction, on four consecutive Wednesdays, (March 25, April 1, 18 & 15) in the Graduate Conference Room. The event culminated with a public reading on April 29 in N2. Also, Storm Saulter, Filmmaker-in-Residence, conducted a four-day Creative Writing: “Short Film” Workshop (May 27, June 10, 17 & 24) in Room 14, Old Arts Block, Humanities and Education. The department is having dialogue with sponsors and CARIMAC to put in production the best short film written in this workshop. Professor Emeritus Edward Baugh conducted the 6th and final workshop which was a Speech Writing Workshop on Saturday July 11, 18 and 25. All registrants in these workshops received certificates of participation.

Continuing its mandate to introduce the Jamaican public to new books, we had a number of successful book launches during the academic year. The Department collaborated with the Philip Sherlock Centre for the Creative Arts to launch Kei Miller’s most recent prize winning books, *Writing Down the Vision: Essays and Prophecies* (Bocas Prize) and *The Cartographer Tries to Map a Way to Zion* (Forward Prize) on Sunday, December 21, 2014. Dr. Michael Bucknor and Dr. Norval Edwards were the launch speakers. The Department launched the book, *The Merchant of Feathers* by Tanya Shirley at the Faculty of Medical Sciences, Lecture Theatre 3, on Thursday, January 8, 2015. Dr Kei Miller delivered

the launch talk. As a major feature of Research Day, the Department, with the support of Ian Randle Publishers, organized the launch of *Ms. Lou: Louise Bennett and Jamaican Culture* written by Poet Laureate of Jamaica, Emeritus Professor Mervyn Morris. The launch took place at the Faculty of Medical Sciences, Lecture Theatre 3 on Tuesday, February 10, 2015. Guest performers included Dr. Lilieth Nelson, Amina Blackwood Meeks, Oku Onuora, Jean “Binta” Breeze and Mutabaruka. The Launch Speaker was Edward Baugh, Professor Emeritus of English, UWI Mona. The Department also collaborated with the University of the West Indies Press and the Sir Arthur Lewis Institute of Social and Economic Studies to launch Erna Brodber’s latest book, *Nothing’s Mat* on Tuesday, June 9 at the Multifunction Room, The Mona Library, UWI. The Launch speaker was former student, Dahlia Harris.

The department, in partnership with Blue Moon Publishing, presented *Fun & Joke Aside* on Sunday April 12 in N1. It featured Owen ‘Blakka’ Ellis and Dr. Michael Abrahams. The discussion on the serious business of comedy was a huge success.

For the first time in its history, the Department partnered with Two Seasons’ Guest House and the Gloria Lyn Memorial Fund (GLMF) to stage the Two Seasons Talking Trees Literary Fiesta on Saturday, May 23, 2015 at the Two Seasons Guest House, Treasure Beach. Lorna Goodison headlined a stellar group of readers including Jamaica’s Poet Laureate Mervyn Morris, UWI Professor Emeritus of English Eddie Baugh, Retired Senior Lecturer, Dr Victor Chang, Adjunct Lecturer and poet Tanya Shirley, storyteller Amina Blackwood Meeks, Poetry Clash winner Peta-Gaye Williams, and blogger and researcher at UWI, Mona, Annie Paul. The department provided a bus for members of the UWI Writer’s Circle (student club) and other Literatures in English majors. The event was the best fiesta the organizers have witnessed, since its inception.

The department also conducted four Meet the Author sessions: Ms Ava Brown presented a Reading of *Bamboo and Fern*, her autobiography, on Monday, September 22, 2014 in N4 for the West Indian Autobiography LITS2511 class. The acclaimed Jamaican writer Lorna Goodison, who

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teaches at the University of Michigan, paid a brief visit to the campus on Thursday, November 20, 2014. Professor Goodison met with Level II students from Love, Death and Poetry LITS2004 and Level III students from West Indian Special Author Seminar: Lorna Goodison LITS3501 in a lively session which included reading from her work as well as a question and answer period which proved both instructive and entertaining. Students expressed their appreciation of Professor Goodison's generosity and warmth, as well as of the insights gleaned in the informal session. Ms Tanya Shirley, Adjunct Lecturer, conducted a Meet the Author workshop with two groups of students from the American International School of Kingston, on April 22 and May 13 and also discussed her first book of collection, *She Who Sleeps With Bones*, which was on the West Indian Poetry course with the students of LITS2503. The department notes the value of such opportunities for students to interact with writers, especially those whose work is part of the programme they are pursuing.

Our very popular March Is Literatures in English Month activities began on Sunday March 1, when the Department partnered with the Kingston Book Festival to stage "Love Affair with Literature 4." It featured poetry and prose readings by Mervyn Morris, Sharon Millar, Tanya Shirley and Roland Watson-Grant. This year's round of Reggae Talks was hosted by Professor Carolyn Cooper and featured Jimmy Cliff on March 5, Iba Mahr and Notis on March 12, Chronixx on March 19, Kabaka Pyramid on March 26 and culminated with Lloyd 'King Jammy' James on April 2. These talks remain a major outreach activity for both the general public and non-literature majors on campus. "March is Movie Month at Mona" returned this year and featured our Filmmaker-in Residence, Storm Saulter, who presented a lecture entitled, "Towards a New Caribbean Cinema," that included screenings of his films. The event was held on Friday, March 20 in N1. The series culminated with Professor Funso Aiyejina, Dean, Humanities and Education, St. Augustine Campus, presenting a screening of his film on Earl Lovelace on April 22.

OUTREACH TO SECONDARY SCHOOL STUDENTS

In support of the teaching of literatures in English at the high school level, Dr. Michael Bucknor presented 4 Workshops for CAPE Literatures in English high school students at the Western Jamaica Campus on January 12 and 13. Dr. Moseley-Wood also made a presentation entitled “Follow Your Passion: Fulfilling Careers in the Faculty of Humanities and Education” on Tuesday, January 13, 2015. On March 24, 2015, Dr. Michael Bucknor discussed Olive Senior’s *Gardening in the Tropics* with CAPE Literatures in English students at Campion College and responded to questions on his article, “Sounding Off: Performing Ritual Revolt in Olive Senior’s *“Meditation on Yellow.”* Ms Lisa Brown delivered a presentation entitled, “Critical Thinking in the Language Arts,” to the staff of the English Department at the Holy Childhood High School on October 22, 2014. She also made a presentation on Julius Caesar to CSEC Students at St. Georges’ College on Wednesday April 15, 2015. The CAPE Literatures in English Lecture/Discussion Series with CAPE students continued this year and were held on Friday, April 10 and Friday April 17, respectively. Approximately 300 students attended, and twenty-four schools participated. The presenters were Ms. Carolyn Allen, Dr. Michael Bucknor, Dr. Norval Edwards, Dr. Benjamin Hilb, Dr. Mawuena Logan, Dr. Anthea Morrison and Dr. Rachel Moseley-Wood.

STAFF/POSTGRADUATE SEMINAR SERIES

The Department’s Staff/Postgraduate Seminar Series featured a number of visiting academics, staff members and graduate students. The presenters included the following:

- **Keilah Mills**, MPhil candidate, presented on the topic “Gender, Place and the Politics of Difference: An Ecocritical Reading of Jean Rhys’ *Voyage In the Dark* and Toni Morrison’s *Tar Baby*” on Friday, November 28.
- **Bryan Chitworth**, PhD candidate at Emory University, delivered a paper entitled, “Towards a Fiscal Sociology of Anglophone Poetry:

the Congress for Cultural Freedom and the Institute of Jamaica” on Friday, December 5.

- **Dr. Michael Bucknor**, Senior Lecturer and HOD, presented the paper, “Canada in Black Transnational Studies: Austin Clarke, Affective Affiliations and the Cross-Border Poetics of Caribbean-Canadian Writing” on Friday, January 30.
- **Dr. Phaniel Antwi**, Assistant Professor, University of British Columbia presented the paper entitled, “Cheerfulness: A Feeling of Structure in Settler Writing” on Friday, February 13.
- **Ms. Laveta Mead**, MPhil student presented a paper entitled, “The Economic value of Whiteness: The Passing Novel,” on Friday, March 27, 2015. She also presented another paper on Friday, May 15 entitled “The Masked Subject: Signifying Race in Charles Johnson’s Oxherding Tale and James Weldon Johnson’s The Autobiography of an Ex-Colored Man.
- On Friday, March 20, **Ms. Lisa Brown**, Lecturer, presented a paper entitled, “Finding Space to Mourn: Self-discovery in Paule Marshall’s Triangular Road.”
- **Dr. Kelly Josephs**, Associate Professor, City University of New York presented a paper entitled, “Teaching the Digital Caribbean: The Ethics of a Public Pedagogical Experiment” On Friday, April 24, 2015.
- **Dr. Nadia Ellis**, Assistant Professor, University of California, presented a paper entitled, “Splayed Anthems: Notes on Diaspora and Incursion, Repetition and Recuperation, New Orleans and Kingston,” on Friday, April 17, 2015.
- **Dr. Benjamin Hilb**, Lecturer, Department of Literatures in English presented a paper entitled, “Afro-Haitian-American Ritual Power: Vodou in the Welles-FTP Voodoo Macbeth,” on Friday April 10, 2015.
- The seminars culminated on Tuesday, June 30 with a presentation by **Elisa Serna-Martinez**, PhD candidate at the Universidad de Granada, entitled “Mapping Postcolonial and Feminist Theories in

the Anglophone Caribbean Diaspora Through the Writings of Opal Palmer Adisa.”

REGIONAL AND INTERNATIONAL OUTREACH

Dr. Michael Bucknor participated in a panel discussion on “Contemporary Caribbean Literature” at the Aunty Roachie Festival at the Ranny Williams Entertainment Centre on August 5, 2014. After the panel discussion, he did a Radio Interview with Ms Kitty Live on Nationwide Radio. He also participated in a panel discussion entitled “Bridging the Gap: Agents of Change” at the Student Leadership Empowerment Sessions at the Mico University College on August 26, 2014. Dr. Bucknor was invited to join the CaribLit Collective to continue work on encouraging creative writing and publishing in the region. He met with other stakeholders between October 31 and November 4, 2014 in Trinidad, December 6 and 7, 2014 in Barbados and on May 5, 2015 in Trinidad. CaribLit is a regional partnership established in 2012 by the Bocas Lit Fest, Commonwealth Writers, and the British Council, to support and promote Caribbean writing and publishing. He represented the UWI on an Emerging Leaders in the Americas Programme (ELAP) Collaborative Mission which visited eight universities in Canada between November 12 and 23, 2014 to explore collaborations in research, student exchanges, programme sharing and internship opportunities. This was an initiative by the Canadian Bureau of International Education to encourage Jamaican students and researchers to apply for their ELAP and CANADA-CARICOM scholarships to attend Canadian universities for up to two semesters in an academic year. He was the keynote speaker at the Kingston Book Festival’s discussion of “The Role of the Media in Building a Literary Culture” on Thursday March 5, 2015 at the Multifunctional Room at the Main Library, UWI. He also attended the Bocas Literary Festival in Trinidad, between April 29 and May 3, 2015.

Professor Carolyn Cooper engaged in a public conversation on Caribbean popular music and dance with the Martinican singer Jocelyne Beroard of Kassav at King’s College, University of London on January 12. Billed as a “Moving Conversation”, the event was sponsored by the research

project “Modern Moves: Kinetic Transnationalism and Afro-Diasporic Rhythm Cultures”. The project is funded by the European Research Council and directed by Professor Ananya Kabir, Department of English, King's College. Professor Cooper is a member of the research project's board. She also gave a public lecture, “‘Talk Like Miss Lou, Mi NoTalk Like Foreigner’: Jamaican Language Politics At Home and Abroad”, on January 11 at the Karibu Centre in Brixton, cohosted by the Pan-Afrikan Society Community Forum and the Garvey-Rodney Centre. Professor Cooper was the Chief Judge of the non-fiction panel of the OCM Bocas Prize 2015. She participated in a panel discussion on “Nation and Language” and also in the adjudication of the overall winner during the Bocas Lit Fest between April 29 and May 3, 2015.

Dr. Anthea Morrison participated in the Quality Assurance Review of the Section of Literatures in English, Faculty of Humanities and Education, UWI, St. Augustine Campus, February 23–27, 2015. She also participated in a "Professional Development Workshop for Teachers of English," organized by students of the School of Education, April 14, 2015.

Ms. Tanya Shirley, Adjunct Lecturer was one of two specially invited guests at the Bocas South Literary Festival in Trinidad and Tobago on November 8–9, 2014. She gave a public reading from her second collection of poems, *The Merchant of Feathers*, just released by Peepal Tree Press, UK, and she conducted a workshop for aspiring poets. She was also one of the featured poets in the National Library's Poet Laureate Series. The event, which was hosted by Professor Emeritus Mervyn Morris, was held at the Errol Flynn Marina in Portland on November 16 and also included a reading by Professor Emeritus Edward Baugh. She was also a judge of the JCDC Creative Writing competition.

STAFF MATTERS

The department welcomed Dr. Benjamin Hilb who was appointed Lecturer in the Department with effect from January 19, 2015. We also welcomed Mr. Storm Saulter who was appointed Filmmaker-in-Residence

in Semester 2, and Ms. Shala Alert, Ms. Amina Blackwood Meeks and Mr. David Williams who were employed as Part-time Lecturers. The department congratulated Dr. Michael Bucknor on being appointed as the new Public Orator of the Mona Campus, for three (3) years, with effect from August 1, 2015. Dr. Rachel Moseley-Wood completed her two-year tenure as Associate Dean, Marketing and Outreach in July 2015. As Associate Dean, Dr. Moseley-Wood chaired the Faculty's Outreach and Research Days Committees. She visited numerous schools in Kingston and rural Jamaica to promote the work of the programmes of the Faculty. In 2014–2015, Dr. Anthea Morrison fulfilled the duties of Deputy Dean (Faculty of Humanities and Education) with responsibility for undergraduate matters, a position she has held since 2013. During the summer of 2015, Dr. Mawuena Logan and recently appointed Dr. Ben Hilb resigned from the university. The department thanks them for their service and wishes for them further development in their new appointments. With the pending retirement of Prof. Carolyn Cooper at the end of the 2015–2016 academic year, the department will advertise three positions for 2016.

PAPERS PRESENTED

Dr. Michael Bucknor presented the paper, “Conceptual Residues of Imperialist Ruination: Waste, Weeds and The Poetics of Rubbish in Edward Baugh’s *Black Sand* and Olive Senior’s *Gardening in the Tropics*” at the 33rd West Indian Literature Conference, Cave Hill Barbados, October 2–4, 2014.

Ms. Lisa Brown presented a paper entitled, "Knowing Rivers, Seas and Oceans: Surveying the 'Tripartite' Self in Paule Marshall's *Triangular Road*" at the 33rd West Indian Literature Conference, Cave Hill Barbados, October 2–4, 2014. Ms. Brown was also one of the winners of the Inaugural Timothy Dow Adams Award by a/b: Auto/Biography Studies. The award will support her attendance at the 1st Biennial Conference of IABA-Americas Chapter at the University of Michigan, Ann Arbor on June 4–7, 2015, where she will be presenting a paper entitled, “We Meet Again! Researcher, Subject and Text in Caribbean

Life Writing,” which the journal will, subsequently, publish. Ms. Brown presented a paper entitled, “Coffee, Tea and Ray: Reading Ray Chen’s Photography as Self-Portraiture” at the Confucius Institute Conference entitled “Dragons in the Archipelago – The Chinese – Caribbean Experience” June 18–20, 2015.

Professor Carolyn Cooper gave a lecture, “Louise Bennett: Dat Cunny Jamma Oman”, on February 7 at the 8th annual Louise Bennett-Coverley Reading Festival held at Broward College, Fort Lauderdale. On February 9, she gave a lecture on “Bob Marley: Chanting Songs of Redemption” at Broward College. On February 13, she gave a paper, “Dem Naa Go Tired Fi See Bob Marley Face: Imagining the Legend In the International Reggae Poster Contest,” at the 3rd International Reggae conference, UWI, Mona. She participated in a “Higher Education Roundtable: International Trends & Opportunities” at the 3rd CARIFORUM/EU Business Forum held in Montego Bay, April 15–16. She presented a paper on “Transforming Institutions Through Creative Industries Programmes.” Professor Cooper also gave a paper, “‘Rebel Music’: Bob Marley’s Songs of Resistance”, at a symposium, “Bob Marley: Time Will Tell,” hosted by the Centre for Caribbean Studies, Casa de las Américas, Havana on May 18. The symposium was part of an international colloquium on “Cultural Diversity In the Caribbean.”

Dr. Rachel Moseley-Wood presented a paper entitled “Dominance and Violence in Ghet’ta Life: Mediating Garrison Politics in Jamaican Film” at the International Academic Forum (IAFOR) North American Conference on Media Film and Cultural Studies. The conference was held September 18–21 at the Providence Marriott Downtown, Providence, Rhode Island, USA. Dr. Moseley-Wood presented a paper entitled “Bob Marley’s Impact on Film” as part of a panel on Reggae Music and Film at the Bob Marley 70th Earth Strong Event on February 6, 2015, organised by the Bob Marley Foundation at the Bob Marley Museum, Kingston. She also presented a paper entitled “Lurking in the Subtext: Homoerotic Desire in Third World Cop” at the International Reggae Conference on February 13, 2015 and presented that paper as well at the Talking Bodies Conference, held at Chester University, UK from March

31–April 2, 2015. Rachel Moseley-Wood attended the 40th Annual Caribbean Studies Association Conference, held May 25–29, 2015 in New Orleans under the theme “The Caribbean in an Age of Global Apartheid”. She presented a paper titled “Dreaming History in Storm Saulter’s Better Mus’ Come.”

PUBLICATIONS

- **Bucknor, M.** Review of Robert Antoni’s *As Flies To Whatless Boys* in *Journal of West Indian Literature* 22.2 (Nov 2014): 73–75.
- Edited with Dr Conrad James, Special Issue on “Caribbean Masculinities” with Introduction: “‘Cock Mouth Kill Cock’: Language, Power and Sexual Intimacy in Constructions of Caribbean Masculinities” in *Caribbean Quarterly*, Volume 60, No. 4 (December 2014): 1–7. (1–55).
- Book Chapter “Beyond Windrush and the Original Black Atlantic Routes: Austin Clarke, Race, and Canada’s Influence on Anglophone Caribbean Literature” in *Beyond Windrush: Rethinking Postwar Anglophone Caribbean Literature* edited by J. Dillon Brown and Leah Rosenberg (U of Mississippi P, 2015). 206–221.
- **Cooper, C.** Review entitled, “In Limbo: Environmental Politics in Jamaica,” of Esther Figueroa’s book *Limbo* in *Jamaica Journal* 35.3 (March 2015): 89–91.
- **Edwards, N.** Review of Kei Miller’s “The Cartographer Tries to Map a Way to Zion” in *Jamaica Journal* 35.3 (March 2015): 85–87.
- **Moseley-Wood, R.** “Unbinding Identities: The Challenges to Nationalism’s Myths in Jamaica for Sale.” *S/X Salon*. Web. Issue 17 (October 2014).

PUBLIC SERVICE

Ms. Lisa Brown

- JCDC Creative Writing Competition 2015
- Adjudicator – Essay Writing
- Chief Adjudicator – Short Story

Dr. Michael Bucknor

- Editor, *Journal of West Indian Literature* (Regional Refereed Publication)
- Editorial Board Member, *Caribbean Quarterly*
- 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)
- Member of CaribLit Collective (Regional Body)

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*
- Member, Advisory Board, *Issues in Critical Investigation*, Vanderbilt University, Nashville, Tennessee

Mawuena Logan

- Member, Ghanaian Association in Jamaica, Kingston Jamaica.
- Member, Alliance Francaise de la Jamaïque, Kingston, Jamaica.
- Adjudicator, Actor Boy’s Award, Kingston Jamaica

CATEGORIES OF STUDENTS

Undergraduate

Majors	145
First Class Honours	3

Postgraduate

PhD	2
MPhil	6
MA	25

DEPARTMENT OF MODERN LANGUAGES AND LITERATURES



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

INTRODUCTION

The Department commenced the academic year 2014–2015, on a note of great optimism, as we anticipated continued increase in our enrolment, improved student engagement and renewed collaboration with our International Partners, – Embassies and Agencies. Two new programmes especially heightened our expectations for the academic year:

- i) The revised M.A. in Translation (Spanish and French).
- ii) The new Japanese Minor.

Ten (10) students registered for the M.A in Translation (Spanish and French) and eight (8) eager students from across the University registered for the minor in Japanese. The Department considered these numbers to be satisfactory in the inchoate stages of both programmes. Dr. Marie-

Jose Nzengou-Tayo was assigned the challenging task of co-ordinating a group of part-time professional translators to deliver the courses in the M.A., as well as to oversee other administrative aspects of the programme. The Department is heavily indebted to her for her efficient dispensation of this special and challenging responsibility.

CHALLENGES

The major challenge encountered by the Department, particularly in Semester I, was the extremely late arrival of lecturers who required Work Permits in order to commence their teaching. This situation affected the teaching of Spanish and Chinese in the main. Two members of the Spanish teaching team arrived at the end of September and October respectively. Faculty in the Section were put under tremendous pressure as they tried to cover the classes of these two members. While the lecturer for Chinese arrived a little earlier in September, the delay in arrival also created significant concern and stress. The Department is appreciative of the efforts of Dr. Nina Bruni, Mrs. Esmeralda Nunes, Mr. Martínez and other persons who assumed additional duties during this time. We are also grateful to the various individuals who willingly accepted part-time employment at short notice, as we tried to ensure that our students received their timetabled instruction.

The Japanese Section faced tremendous pressure resulting from increased registration and limited number of persons to deliver all the components – communicative grammar, conversation and laboratory/ listening classes.

The Department commenced operations with renewed focus on three main Strategic Plans/Objectives:

- i) Curriculum Review and Strengthening. (Ongoing)
- ii) Attracting qualified faculty. (Ongoing)
- iii) Income generation. (Ongoing)

In an effort to help faculty achieve (i) a three – day workshop was held in August. A number of presentations were made on relevant topics:

- “The New GPA and Marking System”

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Presenter: Mr. Jonathan Archie, Senior Administrative Assistant in Examinations.

- “Managing, Teaching, Research and Personal Life.”

Presenters: Dr. Michael Bucknor, Senior Lecturer & Head, Department of Literatures in English. Dr. Francoise Cévaer, Lecturer, Department of Modern Languages & Literatures.

- “New Demands for Foreign Language Teachers: Engaging Students’ Hearts and Minds through Task Based Learning.”

Presenter: Mrs. Aracelis Anedu, Lecturer, Shortwood Teachers’ College.

- “What Foreign Language Teachers Need to Know about Technology?”
Review of Article from ADFL.

Presenter: Dr. Nina Bruni, Lecturer, Department of Modern Languages & Literatures

- “Generating/Refining/Rewriting Course Rubrics.”

Presenter: Dr. Vivette Milson-Whyte, Lecturer and Course Coordinator, Language Linguistics & Philosophy, The UWI.

Several presenters delivered on important issues related to curriculum renewal and methodology.

Acquisition of New Equipment

The Department was pleased to acquire, as a result of earnings from teaching Spanish to the Staff of IDB, Lunch Time Classes, Translation Services and Summer School – some well-needed equipment to facilitate teaching outside of the lab as well as in the lab. These were two projectors and a laptop.

Quality Assurance Review

In Semester II, the Asian Languages (Japanese and Chinese), were reviewed by the Quality Assurance Review Unit. The Section was commended for the positive response of students, increased numbers

and the efficiency of lecturers. However, reviewers expressed specific concern about the pressure being placed on Japanese Staff to cover hours and numbers in excess of the acceptable standards for Instructors. In Semester II, the Romance Languages, (Spanish and French), were reviewed. (Process to be finalized 2015–2016).

SPECIAL EVENTS AND COLLABORATIONS

Mexican Film Series

The Mexican Embassy screened a number 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; *La Rosa Blanca*, *Santa* and *Doña Barbara* and *Pedro Páramo*.

First Year Orientation

This was held on September 11, 2014. 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.

Modern Languages and Literatures Day

The annual Modern Languages and Literatures Day was held on March 12, 2015. More than four hundred (400) students from Secondary and a few Primary schools from across the island attended and participated in a wide range of activities. 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 faculty members, Mrs Esmeralda Nunes and Mrs. Rona Barnett-Passard chaperoned three (3) French and three (3) Spanish students respectively to the Annual Inter-Campus Theatre Festival. Their trip was

supported by the Vice Chancellor's Office, the Office of the Principal, Mona Campus, Office of Finance and the Department.

CAPE Workshop

The annual CAPE workshop in which students are provided additional assistance with literary texts and critical analyses, as well as other main components of the regional examination was organized by Dr. Lindy Jones and Ms. Sharon Clue. The Department is grateful to members of the Department, who willingly gave of their time to realize this important public service. There were fifty (50) students from different High Schools in attendance.

Collaboration with the Alliance Française and the Embassy of France in Jamaica

The Department continued its collaboration with these entities through the Cine Club. The preparations for the Post de' Assistant for Final year and Second year students; and this year, as part of the of celebration of French Language and Francophone Week, Dr. Nzengou-Tayo presented a Lecture in collaboration with the Alliance Française entitled: "Double Perspective on the American Occupation of 1915: Le choc by Léon Laleau and Le joug by Annie Desroy," on March 19, 2015.

Unfortunately, the very crucial collaboration involving the position of a Poste d'Attaché Linguistique will be discontinued after this year. The Department expressed sincere gratitude to the Embassy of France and Ms. Gwenaëlle Huydts who taught in the position for two years and gave generously of her time and linguistic skills.

Homenaje a Gabriel García Márquez

In recognition of the first anniversary of the death of this outstanding Columbian author and Nobel Laurette for Literature, the Department, along with the Embassies of Columbia and Mexico celebrated the life, works and words of Gabriel García Márquez, with an audience of approximately one hundred and twenty (120) persons, in the Multifunctional Room. The programme included students of Literature who read from

their “A” Essays and other presentations on Marquez by faculty members. This was a very engaging, well-attended and successful celebration.

ALARA Conference

The Department co-hosted the Tenth Biennial International/Interdisciplinary Research Conference of The Afro-Latin/American Research Association (ALARA) Conference on August 5–9, 2015. More than thirty presenters from Universities from Spain, Nigeria, Senegal, the U.S.A. and Latin America participated. The panels were presented at the Courtleigh Hotel and at the Regional Headquarters at The UWI.

Collaboration with the Embassy of Spain

The Spanish Embassy has awarded three DELE scholarships and fifteen licences for the AVE Examinations to our students. These are important for giving students additional learning experiences in Spanish. Three students sat the DELE exams and did well.

Third Year Sensitization

This was organized by Dr. Lindy Jones and held on February 17, 2015. Several speakers presented on strategic issues that are important to students, who are getting ready to join the world of work.

Special Colombian Collaboration – Teaching of Spanish as a Foreign Language

The Department, along with the Government of Columbia and the Jamaican Ministry of Foreign Affairs, conducted the Foreign Languages class for civil servants from June to December 2014.

Translation Services

The Department continued to earn a small income from our Translation Services. Our main tasks include translating legal documents, technical documents, birth certificates and University transcripts.

Lunch Time Classes

Spanish and French Beginners' Classes continue to provide a small, steady income.

PUBLICATIONS

Dr. Nina Bruni

Book:

- *Ruptura y viraje: la narrativa de Marcio Veloz Maggiolo 1960-1975*. Santo Domingo, República Dominicana: Secretaría de Estado de Cultura. 450p., 2015

Translation:

- Cowie, "The regional and international impact of The Mighty Sparrow in the calypso arena." Calypso as an instrument of social justice. Ed. Fondazione Adkins Chiti; Donne in Musica. Roma: International Music Council; Fondazione Adkins Chiti; Donne in Musica; Ford Foundation; Editore Colombo, 2007. 65–77. 2015.
- "El impacto regional e internacional de The Mighty Sparrow en la esfera del calypso." *Sonidos ancestrales de América Latina: nuevas interpretaciones*, María Lina Picconi and Everado Garduño, eds. Córdoba, Argentina: Babel Editorial; Círculo Amerindiano; Grupo de Investigación en Musicología. 143–162. [Translation English into Spanish] 2015.

Dr. Marie-José Nzenkou-Tayo

- (In collaboration with Elizabeth (Betty) Wilson). "Translating the Other's Voice: When is Too Much Too Much?" In *Writing and Translating Francophone Discourse: Africa, The Caribbean, Diaspora*. Edited by Paul Bandia. Amsterdam/New York: Rodopi. Pp. 127–151. 2014.
- "La plateforme Moodle: un soutien à l'apprentissage du français à UWI, Mona, en Jamaïque." *Le français à l'université* – bulletin des

départements de français dans le monde. 19–04, 2014 (4 pages).
<http://www.bulletin.auf.org/index.php?id=1955>, 2014

Dr. Paulette A. Ramsay

- “Landscape, Place and Belonging in Selected Poems by the Afro-Cuban Writer Jesús Cos Causee.” *PALARA*. Number 18, Fall 2014. 16–32. 2014
- “The Untold Story of Afro-Mexico”. Sunday 25, January 2015. *The Gleaner*.

PUBLIC SERVICE

Dr. Françoise Cévaër

- Member of the Selection Panel. Interviews of Candidates for the French Assistantship Programme, January 2015. French Embassy in Kingston.
- Member of the jury for the French vocabulary contest for High Schools in Jamaica organized by JAFT on Friday June 29, 2015 in Kingston.

Dr. Marie-Jose Nzengou-Tayo

- Guest Lecturer on Gisèle Pineau’s *Un papillon dans la cité* and Aimé Césaire’s *Une saison au Congo*. CAPE French Literature. Manchester High School. April 22.
- Presenter. CAPE Literature Workshop (French Literature). Department of Modern Languages & Literatures. April 11.
- Guest Lecturer on literary commentary and Gisèle Pineau’s *Un papillon dans la cité*. CAPE French Literature. St. Andrew High School. October 31.
- Guest Lecturer on Dany Laferrière’s *Pays sans chapeau*. CAPE French Literature. Ardenne High School. May 01.

Dr. Paulette A. Ramsay

- Member, CAPE Examining Committee.

AWARDS

Dr. Paulette A. Ramsay

- UWI Special Initiatives Grant.
- Emerging Leaders in the Americas Programme (ELAP) Fellowship to University of Western Ontario, Canada.
- Mexican Government Excellence Scholarship Programme for Foreigners to conduct research and deliver lecture on “La identidad racial en la literatura oral de la Costa Chica” at the XV Encuentro de los Pueblos Negros de la Costa Chica de Oaxaca y Guerrero, in Cuajinicuilapa, Oaxaca, Mexico, from 27-29 November 2014.
- French Award: Designated “Chevalier” Knight in the French Order of Merit (“Ordre National du Mérite”).

STAFF /GRADUATE SEMINARS

Staff/Graduate Seminars were again held to encourage graduate students to produce result. Presenters were:

- Dr. Courtney Hogarth. "Time, Thought and Visual Expression – A case for the Visual Arts in Higher Education." On Thursday April 2, 2015.
- Dr. Paulette A. Ramsay. “Landscape, Place and Belonging in Selected Poems by the Afro-Cuban Writer, Jesús Cas Causee.” on Thursday, February 26, 2015.

GRADUATE PROGRAMMES

Orientation

Graduate students were given two special orientation sessions to remind them of their obligations and to share research approaches and skills. Students were assigned Supervisors.

Numbers

MA in Translation	10
MPhil	10
PhD	2

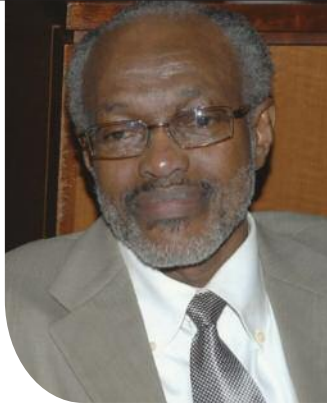
AWARDS TO GRADUATE STUDENTS

1. Mr. Devon Yetman was awarded an internship to the Organization of American States, Translation Department from June 4th – August 14, 2015.
2. Mr. Yetman also received an ELAP scholarship to study as an Exchange Graduate Student in the M.A. in Translation at Université de Montreal.
3. Mr. Aldean Ellis, MPhil student was awarded a DFATD Scholarship to conduct research for one Semester at the University of Western Ontario in Canada.

CLUBS

All clubs met regularly and participated in Club fusion. The Spanish Club won several awards.

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 2014/2015. 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 M.Phil./Ph.D. programme was expanded by offering courses and supervision via online and various web conferencing modalities. Eight students registered in this programme. Five of these students participated virtually and three face-to-face in the December 2014 seminar presentations.

The SOE Advisory Board that was established had two meetings during the 2014/2015 academic year. The first meeting considered the role the

Board is expected to play and considered the strategic direction of the SOE. The second meeting heard plans for the development of new graduate programmes in the School of Education; highlights on the work of the SOE from the Director's update; and a presentation on the Proposed Caribbean Center for Leadership and Planning.

TEACHING AND LEARNING

As part of its curriculum renewal efforts, the SOE sought to restructure the current Master's degree programmes to offer the option of a taught Master's which does not require a research project. The paper on Restructuring the Taught Masters was approved during the first semester of the 2014/2015 academic year.

The School of Education continued its recruitment of Junior Faculty: appointments were made in the areas of Mathematics, Science and Information Technology. A new Research Assistant was recruited to support the work of academic staff and another was retained to support the work of the income-generating projects and consultancies while providing further support to the Director's Office. It is expected that these appointments will help to contribute to the improved publications output and the income generated by the SOE. Approval was sought and obtained for a Master of Arts in Higher Educational Management.

Table 1 provides a summary of the number of students who were awarded First Class Honours, Second Class Honours and Pass Degrees for 2014–2015.

Table 1: Bachelor of Education Awards 2014–2015

First Class Honours	Second Class Honours		Pass
	Upper	Lower	
11	35	27	5

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 2014–2015.

School of Education

Table 2: M.Ed. and M.A. Students Who Completed in 2014–2015

Specialization	No. Completed
Curriculum Development	3
Educational Administration	39
Educational Measurement	24
Educational Psychology	12
Language Education	6
Literacy Studies	–
Mathematics Education	11
Primary Education	–
Science Education	9
Teacher Education and Teacher Development	30
Technical and Vocational Education and Training (TVET)	8
Total	142

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 2014–2015.
- Number of students who opted to pursue Part 2 in 2015–2016, having completed Part 1 in 2014–2015.
- Number of students who completed Part 2 in 2014–2015.

Table 3: Students Who Completed Parts 1 and 2 in 2014–2015

Track 1	Part 1		Part 2
	No. Completed	No. Proceeding to Part 2	No. Completed
History	3	–	–
Modern Foreign Language	2	–	–
Mathematics	3	–	1
Science	7	2	4
Social Studies	3	3	2
English	8	–	1
Information Technology	1	–	–
Total	27	5	8

At the Faculty Awards Ceremony held on November 6, 2014 the Madge Hall Prize was awarded to Khadijah Chin for the most outstanding performance in Level I of the B.Ed. 90 credit programme. The SOE prize for most outstanding academic performance in Level II was awarded to Juliann Richards while the Professor Aubrey Phillips Prize for the most outstanding academic performance in the final year was awarded to Lissan Gordon-Rainford. The Professor John Figueroa prize for the most outstanding academic performance in the Postgraduate Diploma in Education was awarded to Cherise Laing. Three of the School of Education's PhD graduates received High Commendation – Dr. Sharline Cole, Dr. Clover Jones-McKenzie and Dr. Lilieth Nelson. They were awarded the Dean's Award for Excellence.

The Graduate Research Seminar and Awards Ceremony were held on Wednesday, June 10, 2015 in the School of Education Lecture Room

School of Education

2A. Ms. Tenesha Gordon, Mr. Othneal Wilson, Ms. Davia Johnson and Mrs. Shandelene Binns-Thompson made presentations on their Master's projects. Dr. Carole Powell made a presentation on her doctoral thesis; Dr. Powell was awarded the first TVET PhD of the Mona SOE in October 2014.

Ms. Velta A. Wilson received The Dr. Monica Brown Award for the best performance in the graduate online programmes and Mrs. Shandelene Binns-Thompson received the School of Education award for excellent academic performance. Ms. Wilson completed the M.Ed. in Teacher Education and Mrs. Binns-Thompson completed the M.Ed. in Mathematics Education. Tenesha Gordon received the Professor Dennis Roy Craig Award for excellent performance in the M.Ed. Language Education programme; Dr. Carole Powell received an award for having obtained the Doctor of Philosophy with High Commendation. Dr. Nadale K. Downer-Riley received the award for Most Outstanding Performance in Part II of the Master of Arts in Teaching Programme.

Three abstracts for PhD graduates and thirty-three for Master's graduates were published in the souvenir booklet for the Awards Ceremony.

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 Thursday March 26, 2015. Over 300 students were in attendance. Herbert Morrison Technical High School from St. James won the competition. The focus of the day was on STEM. There were scientific demonstrations for the students and Physics and Chemistry workshops for the teachers.

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 the Mixed Methods International Research Association Regional Conference at the Mona Visitors' Lodge and Conference Centre from March 12 to 13, 2015. The

theme was Mixed Methods in Multidisciplinary Research. Approximately 120 persons were in attendance. Dr. Loraine Cook chaired the conference planning committee.

The School of Education in partnership with the Ministry of Education, Jamaica; HEART Trust/NTA; University of Technology (UTech), Jamaica; Caribbean Association of National Training Agencies (CANTA); and UNESCO Kingston Cluster Office for the Caribbean staged the Second International Conference on TVET in the Caribbean from May 13 to 15, 2015 at the Hilton Rose Hall Resort & Spa, Montego Bay, Jamaica. The theme of the conference was STEM Education in TVET: Imperative to National and Regional Development. The conference offered an opportunity to bring together multi-level stakeholders from different countries in the region and internationally to address and advance solutions to issues and challenges related to Technical Vocational Education and Training (TVET). It also showcased efforts to integrate science, technology, engineering and mathematics (STEM), while at the same time promoting regional and local policies and strategies for strengthening TVET in member countries of the region. Approximately 300 persons were in attendance. Dr. Disraeli Hutton was Chairman of the Committee.

Dr. Carmen Bovell returned to the SOE for six weeks on a United States Fulbright Specialist grant to assist with the early childhood education programme and more particularly to help with the design of aspects of a new Master of Education programme in Early Childhood Education.

A Memorandum of Cooperation between the Georgia State University and the University of the West Indies/School of Education was formalised.

An agreement among the UWI, Ministry of Education and Teachers' Colleges of Jamaica (TCJ) was signed in October 2014 to allow for the award of the UWI B.Ed. degree to students who pursued that degree at the Teachers' Colleges.

PROJECTS AND AWARDS

A team from UWI Mona has advanced to the regional finals of the sixth annual Hult prize in the pursuit of US\$1.0 million to improve Early Childhood Development. Two graduate students from the School of Education were on that team: Michelle Humphrey who is a second year Educational Measurement student (her research and professional experience stems from Early Childhood Education) and Olivia Johnson-Wilmot who is a second year Curriculum Development student. The annual Hult Prize Challenge is the world's largest student competition and start-up platform for social good. Student teams compete for a chance to secure US\$1.0 million in start-up funding to launch a sustainable social venture. The Hult Prize, funded by the Hult family, has been named by TIME amongst the top five ideas changing the world.

A number of SOE staff received the Principal's Research Awards for 2015:

- Dr. Susan Anderson for Best Research Publications in the Book Category for her book: *Climbing Every Mountain: Barriers, Opportunities and Experiences of Jamaican Students with Disabilities in their Pursuit of Personal Excellence*.
- Dr. Deon Edwards-Kerr and Mrs. Joan Spencer-Ernandez for the Research Project with the Greatest Business or Economic Development Impact for the School of Education Centre for the Assessment and Treatment of Exceptionalities (SOECATE).
- Dr. Loraine Cook for the Research Project Attracting the Most Funds for the INSIGHTS Project.
- Professor Stafford Griffith, Director of the School of Education who co-managed the National College of Educational Leadership (NCEL) Project along with persons from five other Departments of the University. Dr. Disraeli Hutton and Dr. Mairette Newman played critical roles in the work leading to that award. This was an inaugural award by the Principal for the Research Project with the Greatest Multidisciplinary/Cross-Faculty Collaboration.

Two staff members published and launched their books: by Dr. Susan Anderson, *Climbing Every Mountain: Barriers, Opportunities and Experiences of Jamaican Students with Disabilities in their Pursuit of Excellence* and Dr. Canute Thompson, *Locating the Epicentre of Effective Educational Leadership in the 21st Century*.

A student in the MA TVET programme, Alia Wedderburn, won the first international award in the “SkillsInAction” competition, fielded by UNESCO-UNEVOC. See the announcement at <https://www.youtube.com/watch?v=TiNddH8O5ng>. The award was presented at the May 2015 TVET conference by Head of UNESCO-UNEVOC, Professor Shyamal Majumdar, from Bonn, Germany who gave the Keynote address at the conference.

INCOME GENERATION

The following two Customized Professional Short Term courses were delivered in the summer of 2015:

- Designing Effective Assessment Instruments
- Designing Monitoring & Evaluation Systems for Projects and Programmes.

Dr. Mairette Newman and Dr. Carol Gentles were members of the UWI School of Education consultancy team for the Guyana Ministry of Education/World Bank Guyana Improving Teacher Education Project (GITEP). The project was for the Development of an Evaluation Instrument to Assess Staff at the Cyril Potter College of Education (CPCE) and University of Guyana’s School of Education and Humanities (Division of Education) and provision of technical assistance to the two-phase evaluation process of these professionals. It spanned the period November 2013 to July 2015. The total value of the consultancy was two hundred and ten thousand seven hundred and seventy United States dollars (US\$ 210,770).

PUBLICATIONS UNIT

The Publications Unit produced one *Journal of Education and Development in the Caribbean (JEDIC)* issue on the Literacy Symposium. The Unit also published two *Caribbean Journal on Education (CJE)* issues: one on TVET strategies and one on *Teaching Caribbean Poetry*. 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. The construction of two classrooms was completed. Smart boards have been acquired for the new classrooms. Phase 2 of the building project programme is 90% complete.

Pictures of Department Heads and Directors are now displayed on all three floors in the School of Education building.

The SOE was used as a pilot for installation of energy saving devices in classrooms and lecture rooms. The UWI Environmental Unit was impressed with the SOE's maintenance plans. The SOE was selected as one of the departments in which a classroom will be used as a model for expansion at Western Campus. We expect to continue on the energy conservation path.

PAPERS PRESENTED

- **Cook, L.D. & McClowry S.** (2015, June). INSIGHTS into Children's Temperament: Evaluating the Adaptation of a Behaviour Management Intervention in Selected Schools in Jamaica. Biennial Conference, Transforming Education: New Framework & Alliances. The University of the West Indies, School of Education, Cave Hill Campus, Barbados. pp. 37.
- **Cook, L.D. & McClowry S.** (2015, June). Teachers' Report on Student's Personality Profile: Validity and Reliability of School-Age

Temperament Inventory. Biennial Conference, Transforming Education: New Framework & Alliances. The University of the West Indies, School of Education, Cave Hill Campus, Barbados. pp. 27.

- Jennings-Craig, Z. & Cook, L.D. (2015, June). What value do they attach to education? Perspectives of Jamaican secondary students and their parents. Biennial Conference, Transforming Education: New Framework & Alliances. The University of the West Indies, School of Education, Cave Hill Campus, Barbados. pp. 38.
- Down, L. (2015). 'Approaches to Integrating ESD in Teacher Education Programmes', International Council of Education for Teaching, (ICET) Conference, June 18–22, 2015, Naruto, Japan. pp. 22
- Down, L. (2015). 'Complementary Approaches for an Effective Climate Change Education for Sustainable Development', Regional Expert Meeting on CCESD, Costa Rica, May 12–14, 2015. pp. 20
- Griffith, S. A. (2015). Validation of Judgemental Approach Used by CXC to Assure Comparability Across Years. Paper presented at the Biennial Conference on Education UWI, Cave Hill, Barbados, Accra Beach Hotel, June 1–4, 2015, pp. 34.
- Griffith, S. A. (2015). Trends in CXC CSEC STEM Subject Entries: Are We on the Right Track? Paper presented at Second International Conference on TVET in the Caribbean: STEM Education in TVET – Imperative to National and Regional Development, Hilton Rose Hall Resort & Spa, Montego Bay, Jamaica, May 13–15, 2015, pp. 32.
- Griffith, S. A. (2014). Use of Feedback from Student Performance on Standardized Tests to Improve School Outcomes. Paper presented at the Ministry of Education (Trinidad and Tobago) & Inter-American Development Bank (IDB) Research in Education Symposium 2014: Achieving Value Outcomes through Policy Relevant Research in Education – Closing the Evidence-to-Practice Gap, The Hyatt Regency Hotel, December 3–4, 2014, pp. 12.

- **Hordatt Gentles, C.** (2015). “Challenges and experiences of Jamaican teacher educators involved in mandatory curriculum transformation in teacher education” The 59th World Assembly of International Council on Education for Teaching (ICET2015). Challenging Disparities in Education. Naruto University of Education, Naruto, Tokushima, Japan, 19–22 June, 2015. pp. 20.
- **Kinkead-Clark, Z.** (2015, June). “The role of teacher education in supporting the transformation of early childhood education in Jamaica”. Paper presented at the Biennial Conference of the UWI Schools of Education, Bridgetown, Barbados. pp. 22
- **Kinkead-Clark, Z.** (2015, July). “Language, Culture, and the Jamaican Classroom, Embracing Diversity”. Paper presented at 2015 WLU Literacies for All Summer Institute—Marriott Courtyard, Decatur, Georgia. pp. 19
- **Kerr-Edwards, D. & Lewis-Fokum, Y.** (2014). “Contextual Factors in the Achievement of Boys in the Grade Four Literacy Test (G4LT) in Jamaica” pp. 1–14. International Conference on Urban Education 2014, Montego Bay, Jamaica, November 6–8, 2014. pp. 14
- **Moore, S. & Lewis-Fokum, Y.** (2015). “The Hidden Curriculum: Steps towards Fostering Pedagogical and Professional Development in Pre- and In-Service Teachers of English at the UWI, for Jamaican/Regional Secondary Classrooms”. UWI Schools of Education Biennial Conference 2015, The University of the West Indies, Cave Hill Campus, Barbados, June 1–4, 2015. pp. 16
- **McCallum, D.** (2015, April). Mentoring needs time: An examination of some issues critical to effective mentoring. 27th Annual Conference of the International Mentoring Association (IMA), Double Tree by Hilton, Phoenix-Gilbert, Arizona, USA. pp. 28.
- **Morris, H.** (2015). “Strategies for Incorporating STEM Education in TVET. Second International Conference on TVET in the Caribbean. Hilton Rose Hall Resort and Spa, Montego Bay, Jamaica. May 13–15, 2015. pp. 25.

- **Morris, H.** (2015). “Vocational, Technical and Career Education in the Caribbean: A focus on quality” Guest Speaker at 22nd Annual Gulf South Conference. Valdosta State University, USA. March 6, 2015. pp. 20.
- **Morris, H.** (2015). Hendricks, L., A. Williams, and C. Lucas “Tell me something I don’t know: Useful facts for Adult and Career Education” 22nd Annual Gulf South Conference. Valdosta State University, USA. March 6, 2015. pp. 15
- **Morris, H.** (2015). “Graduate Programmes at UWI” Guest Speaker at 3rd Doctoral Student Seminar. Valdosta State University, USA. April 4, 2015. pp.17
- **Chisholm, M. & Newman M.** (2015, June) ”From embryonic unit to mature centre: Mission, mandate and successes of the Centre for Excellence in Teaching and Learning at the University of the West Indies, Jamaica”. Paper presented at ICET World Assembly 2015 International Council on Education for Teaching Conference, Naruto University of Education, Tokushima, Japan. pp. 8
- **Smith, M., Newman, M. & Ingleton, T.** (2015, June 1) ”The Aspiring Principals' Programme: A Partnership Approach to Preparing Principals in Jamaica.” Paper presented at UWI Schools of Education Biennial Conference, Cave Hill, Barbados (10 pages)
- **Spencer, A.** (2015). ‘Transforming Education: New Frameworks and Alliances’, Barbados, 01–03 June 2015. ‘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. pp. 48.
- **Spencer, A.** (2015). ‘Poetry, Memory and Performance’, Cambridge, 22–24 March 2015. Title of presentation: ‘Not just a voice’: Promoting response to the poetic through performance poetry. pp 49.
- **Spencer, A.** (2014). Title of presentation: ‘Unveiling shrouded sites: Reconstructing female identity and experience through spaces of

- interiority in Jamaica Kincaid's "At the Bottom of the River". 'Islands-in-Between', University of Costa Rica, Limon Campus, November 2014. pp. 15
- **Stewart, S.** (2015, April). Understanding what is meant by "post/colonial education in Jamaica: The de-construction of the social history of education to its current state. In J. Fournillier (Chair), *Conceptualizing justice: The peoples of the Diaspora speak out on inequities in the research of and on their cultures, languages, and heritage*. Symposium conducted at the meeting of the American Educational Research Association, Chicago, IL, USA. pp. 22
 - **Stewart, S.** (2015, March). A mixed-methods study of extra lessons in Jamaica: Methodological experiences and reflections p. 1–18). Paper presented at the meeting of the Mixed Methods Research Caribbean Conference, Kingston, Jamaica. pp. 18
 - **Stewart, S.** (2014, November). Extra lessons in Jamaica, Antigua and St. Lucia: A comparative qualitative analysis using critical inclusive pedagogy. Paper presented at the meeting of the World Education Research Association, Edinburgh, Scotland, UK. Abstract retrieved from http://c.ymcdn.com/sites/www.weraonline.org/resource/resmgr/Focal-Edin-Abst-Papers/W-092_Stewart,_Saran.pdf pp.26
 - **Stewart, S., & Tuitt, F.** (2014, November). Moving from theory to praxis: An analysis of critical inclusive pedagogy in Jamaican urban schools (pp. 1–23). Paper presented at the meeting of the International Conference on Urban Education, Montego Bay, Jamaica. pp. 23
 - **Thompson, C.** (2015). "Fundamental requirements for mainstreaming TVET in the Education System – Finding Paths to Consensus and Collaborative Relationships". *STEM Education in TVET: Imperative to National and Regional Development*. May 13–15, 2015, at the Hilton Rose Hall Resort and Spa, Montego Bay, St. James. pp. 37
 - **Williams, C.** (2015). "The Accuracy of Teacher Judgments: Its Implications for the Validity of School-based Assessments". 22nd International Conference on Learning. Universidad San Pablo, CEU, Madrid, Spain. July 9–11, 2015. pp. 15

- Onwuegbuzie, A., Benge, C. and **Williams, C.** (2015). “Conducting Rigorous Mixed Methods Dissertations”. The Inaugural Mixed Methods International Research Association Regional Conference in the Caribbean. The University of the West Indies, Mona, Jamaica. March 12–13, 2015. pp 40.

PUBLICATIONS

Books & Monographs

- Robinson, S., **Down, L.** (eds). 2015. Special Issue, Teaching Caribbean Poetry, *Caribbean Journal of Education*, vol. 35, no.2
- **Thompson, C.** (2015). 'Locating the Epicentre of Effective (Educational) Leadership in the 21st Century. pp. 198. ISBN: 9789764102663. pp. 198.
- **Williams, C.** (2014). *Light Up With English: An English Literature workbook for Mona High School Students*. Self-published. pp. 113.

Chapters in Books

- **McCallum, D.** (2015). A novice is a novice at any level: A narrative of the experiences of two female academics in their beginning years of teaching in a higher education institution in Jamaica. In B. Marina (Ed.), *Mentoring away the glass ceiling in academia: A cultured critique* (pp.81–110). Lexington Books.
- **Morris, H.** (2015). “Quality Assurance for Tertiary Level Technical and Vocational Education and Training for the Caribbean”. In *Quality in Higher Education in the Caribbean* (pp. 119–131). Ed. By: Anna Kasafi Perkins, Jamaica: UWI Press, 2015.
- **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* (pp. 195–213). Hong Kong: Comparative Education Research Centre (CERC), The University of Hong Kong, and Dordrecht: Springer.

- Patton, L., Haynes, C., Stewart, S., & Ivery, S. (2015). Curricular and pedagogical strategies that enhance learning for students of color. In J. Jackson (Ed.), *Advancing equity and diversity in student affairs: The applied scholarship of Melvin C. Terrell*. pp. 206–224. North Carolina: Information Age Publishing, Inc.

Book Review

- Down, L. (2015). Review of Atkinson H and Wade R (eds), *The Challenge of Sustainability: Linking Politics, Education and Learning, Policy*. pp. 382–385.

Refereed Journal Articles

- Cook, L. (2015). Understanding Teachers' Efficacy Within A Caribbean Context. *Caribbean Curriculum*, 23, (2015), 121–141.
- Jennings, Z. & Cook, L. D. (2015). Causes of Absenteeism at the Secondary Level in Jamaica: Parents' perspective. *Development in Practice*, 25 (1), 92–112.
- Down, L. (2015). 'Engaging Mindfully with the Commons: A Case of Caribbean Teachers' Experience with ESD. *Applied Environmental Education and Communication*, vol. 14, issue 2. pp 105–111.
- Down, L. (2015). 'Re-membering Place, Shaping the Future – the Poetry of Olive Senior'. *Caribbean Journal of Education*, vol. 35, no.2, pp 67–88
- Kinkead-Clark, Z. (2015). 'Ready for big school': making the transition to primary school—a Jamaican perspective. *International Journal of Early Years Education*, 23(1), 67–82.
- Morris, H. (2014). "The Role of Technical Vocational Education and Training in Economic Sustainability in the Caribbean" *Caribbean Journal of Education*, 36(1&2), (April–Sept, 2014). pp. 24
- Spencer, A. (2013). 'Unexpected Places': The role of the private domain in the construction of Caribbean identities and experiences

in the ‘Hurricane Story Poems’ of Olive Senior’s “Gardening in the Tropics”. *Caribbean Journal of Education* 35, (2), September 2013 (Published 2015), pp.5-29.

- **Stewart, S.** (2015). Schooling and coloniality: Conditions underlying ‘extra lessons’ in Jamaica. *Postcolonial Directions in Education Journal*, 4(1), 25-52.
- Young, K., Anderson, M., & **Stewart, S.** (2014). Hierarchical microaggressions in higher education. *Journal Diversity of Higher Education*. 8(1), 61–71. doi: 10.1037/a0038464

Non-Refereed Journal Article

- Griffith, S.A. (2014). CCSLC as a vehicle for addressing the needs of a larger population of secondary school students. *The Caribbean Examiner* (12) 2, 12–13

Reports

- Griffith, S. A. (2015). Beta Test of CAPE Electrical and Electronic Technology, and CAPE History Syllabuses to Inform Syllabus Finalization by the Caribbean Examinations Council, pp. 105.
- Griffith, S. A. (2015). Needs Assessment to Inform Syllabus Revision for CSEC Music, CSEC Principles of Accounts, CSEC Principles Of Business and CAPE Law by the Caribbean Examinations Council, pp. 153.
- Stewart, M., Newman, M. & Gentles, C. (2015). Final Report on Consultancy to develop an evaluation instrument to assess staff at the Cyril Potter College of Education (CPCE) and the University of Guyana School of Education and Humanities (Division of Education) and provide technical assistance to the evaluation process of these professionals. Report to the Guyana Improving Teacher Education Project (GITEP) Office, Ministry of Education, Guyana. pp. 82.

PUBLIC SERVICE

Dr. Sharon Bramwell-Lalor

- Examiner for CXC's CAPE Biology SBA

Dr. Lorna Down

- Member, Board of National Preservation Foundation
- Member, Education Advisory Committee, Jamaica National Commission for UNESCO
- Member, UNESCO International Network of Teacher Education Institution for Reorienting Teacher Education to address Sustainability

Dr. Carol Hordatt Gentles

- Member, Board of Directors for University Council of Jamaica (UCJ)
- Chair of University Council of Jamaica (UCJ) Accreditation, Curriculum and Development Committee

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.
- Commissioner, Overseas Examinations Commission, Jamaica.
- Chairman, Operations and Development Committee, Overseas Examinations Commission.
- Member, Jamaica Teaching Council Advisory Body.
- Chairman, Programme Development and Quality Assurance Committee, Jamaica Teaching Council Advisory Body.
- Member, Board for Jamaica Tertiary Education Commission.
- Chairman, Standards, Regulations and Institutional Committee, Jamaica Tertiary Education Commission.
- Member, Senior Policy Making Group of the Minister of Education.
- Member, National Council on Education.

Dr. Yewande Lewis-Fokum

- Co-presenter at workshop at Allman Town Primary on language & literacy education, March 2015. This was in association with a new pilot project endorsed by the MOE and spearheaded by UWI staff, Language Project for Primary School Teachers Initiative.

Dr. Dian McCallum

- Conducted session on Doing Document Based Questions at a CAPE History Workshop for students at Campion College, St. Andrew, Jamaica, April 20, 2015.
- Conducted a workshop session on Doing Document Based Questions for Sixth Form Students of CAPE History from St. Hugh's High School and Kingston College at the St. Hugh's High School Campus, 5 Leinster Road, Kingston 5, April 13, 2015.
- Made presentation on Approaches to answering questions at the Annual CAPE History Lecture Series put on by the Department of History and Archaeology, University of the West Indies, Mona Campus, April 11, 2015.
- Conducted session on Integrating school based assessment into classroom instruction as part of whole day workshop for teachers of CAPE History, November 22, 2015. (With Dr. Aleric Josephs)

Professor Halden Morris

- Commissioner – Overseas Examinations Commission, Chair, Procurement Committee.
- Committee Member, CARICOM: Regional Qualifications Framework
- Committee Member – Ministry of Education: Jamaica Tertiary Education Commission (JTEC) – National Qualifications Framework
- Committee Member – Ministry of Education: National TVET Policy Development
- Committee Member – Ministry of Education: Renewable Energy
- Committee Member, Ministry of Education: Apprenticeship Working Group

School of Education

- Committee Member for Principal, Ministry of Education: Education and Training Thematic Working Group (TWG)
- Committee Member, National Council on Technical, Vocational Education and Training: Accreditation
- Chair, Institute of Electrical and Electronics Engineers (IEEE) Professional Activities – (Area 9, Jamaica)
- Member, Advisory Committee: Caribbean Knowledge and Learning Network (CKLN)
- Member, Board, Vice Chairman – Vocational Training and Development Institute (VTDI)
- Member, Management Advisory Committee, Vice Chairman – HEART College of Construction Services
- Member, Academic Advisory Committee – Mico University College
- Member, 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, Campion College
- Chairperson, National Committee for the Selection of Master Teachers
- UWI Representative Caribbean Examinations Council (CXC) National Committee

Ms. Clavia Williams

- Workshops presented to the St. Thomas School District (Paul Bogle High, Seaforth High and Robert Lightbourne High School)
- Workshop 1: Teaching Persuasive Writing
- Workshop 2: Using Assessment and Evaluation to Improve Student Learning

FACULTY OF LAW



FACULTY OF LAW

Mona

Year ending July 31, 2015



DERRICK MCKOY, JP

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

Dean

– *Dean’s Overview* –

ACADEMIC ACHIEVEMENTS

The Faculty of Law at the Mona Campus welcomed approximately 182 new students to the Bachelor of Laws programme for the 2014/2015 academic year. Of these new students, 26 were hosted at the Western Jamaica Campus and incorporated using multimode instructional methods. Another 11 of these new students were offered the opportunity to study in the accelerated 2 year programme as Direct Entrants.

Degrees were declared for 116 students from the fourth cohort of the Mona Law programme, 11 of whom received First Class Honors. The majority of these graduates progressed to the Norman Manley Law School to continue their studies in an effort to receive the Certificate of Legal Education and be enrolled as Attorney-at-Law.

The Mona Law Institutes Unit was established in the Faculty on January 2, 2015 with Dr Christopher Malcolm as the head of the Unit. The Unit was created to serve as an administrative platform on which technical and research teams would be built in areas such as Human Rights Law and Environmental Law. This Unit is expected to facilitate the expansion of the outreach programme of the Faculty, as well as, positively impact the legal profession through the creation of consultancy groups and administration of projects.

The LLM and MPhil/PhD programmes proposed for delivery at Mona Law were approved effective January 2015. The programmes have been marketed at conferences such as the Jamaican Bar Association Annual Weekend Conference held November 14–16, 2014 at which the Faculty had a booth. The Faculty has also used target marketing, recruitment drives at the Norman Manley Law School and various other mediums to promote the programmes.

The second volume of the Faculty's annual publication, the *MonaLaw Report*, was published and distributed as a marketing and reporting tool. The Report showcases the major activities that took place in the Faculty during the 2013/2014 academic year.

On April 24–26, 2015, the Faculty of Law, Mona, hosted its Inaugural Annual Weekend Symposium on Law, Governance and Society at the Hyatt Ziva Rose Hall, Montego Bay. The focus for the conference this year was on “Law and Governance in the 21st Century” and the Keynote Address was delivered by Chief Justice, The Honourable Mrs Zaila McCalla. A wide cross-section of delegates from public and private practice, the judiciary, financial institutions, government ministries, embassies and non-governmental organizations were in attendance. Attendees included the Director of Public Prosecutions of Jamaica, Ms Paula Llewellyn, the Solicitor General, Mrs Nicole Foster-Pusey and the Contractor General, Mr Dirk Harrison. The Symposium also featured regional and international presenters and chairs. The countries represented were the United Kingdom, the United States, The Bahamas, Barbados, the Cayman Islands and Jamaica. Tremendous support was also received from departments within the UWI, in particular the Department of Government. The main sponsor for the Symposium was the National Integrity Action (NIA) with additional sponsorship provided by Kingston Bookshop and *Corpus Iuris*. A number of Mona Law students, including students from the Western Jamaica Campus, formed part of the team for the Secretariat. Feedback from participants indicated that the event was well administered and featured very distinguished panels whose presentations were enlightening and instructive.

The Faculty hosted the Inaugural Lecture in the Distinguished Lecture

Series, on June 24, 2015, entitled “Company Law and Contractual Freedom”. This Distinguished Lecture was delivered by Professor Eilís Ferran, Chair of the Law Faculty and Pro Vice-Chancellor Designate, Cambridge University.

STAFF ACHIEVEMENTS

Dr. Ramona Biholar, Lecturer in the Faculty of Law, launched her book *Transforming Discriminatory Sex Roles and Gender Stereotyping. The Implementation of Article 5(a) CEDAW for the realization of women’s right to be free from gender-based violence in Jamaica*, on September 25, 2014. Dr Biholar conducted research through the Institute of Gender and Development Studies (IGDS) UWI and did extensive qualitative data collection in Jamaica in producing this book. The book explores the transformation of sex roles and gender stereotyping for the elimination of gender-based violence against women and the realization of women’s rights in Jamaica. Dr. Biholar specialises in Gender and Citizenship, Human Rights Law and European Union Law.

On December 3, 2014, Dr. Shazeeda Ali, Deputy Dean with responsibility for Graduate Studies and External Affairs in the Faculty of Law, launched her book, *Taking the Profit out of Crime: A Proceeds of Crime Act manual*. Dr Ali is a specialist in the area of financial services regulation, financial crime and legal profession ethics.

TEACHING, LEARNING AND STUDENT DEVELOPMENT

The Faculty had two Mooting teams participating in international mooting competitions during 2014/2015. These were the Annual Inter-American Human Rights Moot Court Competition held May 17–22, 2015 in Washington, D.C. and the Price Media Law Moot Court Competition held March 24–27, 2015 by the University of Oxford. The former team comprised of Scott Mullings, Victor Brown and Sean-Christopher Castle and coached by Andre Coore and Gabrielle Elliott-Williams with assistance from Jermaine Case, Stephanie Forte and Andrei Bennett. The Mona Law team received the prize for Best New

Team and Mr. Mullings copped the award for Best English-speaking Oralist for the Victims of Human Rights Abuses.

The team that represented the Faculty at the Price Media Moot Court Competition consisted of Tafina Hines, Jhade Lindsay and Kalisia Miller as advocates and Gabrielle Elliott-Williams as coach. The team qualified for the International Rounds with Ms. Miller being named Best Oralist for the Regional Round held in America. The UWI Mona's team qualified for the Octo-Finals (top sixteen teams) of the International Rounds for the first time. Ms. Hines and Mr. Lindsay were named 9th and 11th Best Oralists at the International Rounds of the Competition which featured over 100 oralists. The team was assisted in its preparation for the oral rounds by Dr. Ramona Biholar, Litrow Hickson, Rowana-Kay Campbell, Lanasia Nicholas, Andre Coore, Jermaine Case and Stephanie Forte.

It has been noted that the exposure which the students have had through these competitions, to the law, to students and practitioners from various parts of the world and to the rigors of researching, writing and presenting a case, is invaluable.

RESEARCH AND INNOVATIONS

On February 10, 2015, the Faculty hosted a Mona Law Public Lecture and Panel Discussion on the Caribbean Court of Justice (CCJ) and Modern Democratic Constitutional Governance in the Commonwealth Caribbean as a Signature Event in the UWI Research Days programme. The main speaker was Dr Leighton Jackson, Deputy Dean with responsibility for Undergraduate Affairs in the Faculty of Law. The presentation examined the constitutionality of the CCJ as the highest court for Commonwealth Caribbean States. The other members of the panel were: the Honourable Patrick Atkinson, Q.C., Attorney General of Jamaica and the Most Honourable Edward Seaga, Distinguished Fellow of the UWI, Mona.

LECTURERS' PUBLICATIONS

- **Ali, S.**, *Proceeds of Crime Act: Taking the Profit Out of Crime*, MIND, Kingston, (December 2014, 171 pages).
- **Ali, S.**, *Student Instruction Manual for Ethics, Rights & Obligations of the Legal Profession*, NMLS (2014, 167 pages).
- **Biholar, R.G.**, Co-author, Technical Adviser and Editor of the Legal Submission for the Review of the Sexual Offences Act 2009 submitted by SISTREN Theatre Collective to the Joint Select Committee of the Jamaica Houses of Parliament (August 2014).
- **Biholar, R.G.**, 'From women's rights in the books to women's rights as lived realities. Can the disconnect be mended?', *the Nederlands Tijdschrift voor de Mensenrechten/NJCM-Bulletin*, 39 (5), 2014, The Hague: Interuniversitair Instituut voor Internationaal Recht, T.M.C. Asser Instituut, 572–587 [Kluwer Navigator NTM-NJCM Bull. 2014/40].
- **Biholar, R.G.**, "Masculinities and the Practice of Dominica's National Gender Policy' in Politics, Power and Gender Justice in the Anglophone Caribbean", Ottawa: International Development Research Centre (IDRC), <http://hdl.handle.net/10625/53628> (2014).
- **Haynes, J.**, 'The Constitutional Systems of the Commonwealth Caribbean: A Contextual Analysis' by Derek O'Brien [Hart Publishing]. *Common Law World Review* 43(3): 264–272 (2014).
- **Haynes, J.**, 'The Transplantation of the European Principle of State Liability in Caribbean Community (CARICOM) Law: A Normative Assessment'. *Oxford University Commonwealth Law Journal* 14(1): 73–104 (2014).
- **Haynes, J.**, 'The Emergence of a Doctrine of de jure horizontal stare decisis at the Caribbean Court of Justice: Fragmentation or Pluralism of International Law?'. *Journal of International Dispute Settlement* 5(3): 498–530 (2014).
- **Haynes, J.**, 'The Treatment of Multinational Enterprise Groups in

Corporate and Insolvency Law: The Case of the European Private Company.’ *Legal Issues Journal* 2(1): 6–19 (2014).

- **Haynes, J.**, ‘Exploring the ‘Disconnect’ between the Law and Practice Regarding the Non-Punishment of Trafficked Victims in Europe’, *The Crime Less Talked About: Exposing the Trends, Myths, Policies and Practices on Human Trafficking*. Durham, England, Ustinov College’s Race, Crime and Justice Network. (2014).
- **Haynes, J.**, ‘Demystifying the Fair and Equitable Treatment Standard in International Investment Law: A Developing Countries’ Perspective.’, *The Purpose of Commercial Law*. Durham, England, Institute of Corporate and Commercial Law (2014).
- **Haynes, J.**, ‘Re-thinking Anti-trafficking Law and Practice in the Commonwealth of Jamaica: Institutional, Normative and Individual Considerations’, *Managing Rights and Freedoms: The UK, Europe and Beyond*. Durham, England, Durham Law School (2014).
- **Robinson, T., Bailey, C., Coore-Desai, C.**, ‘Corporal Punishment in the Caribbean: Attitudes and Practices’ (2014) 63& 64 *Social and Economic Studies* 207–233 (27 pages).
- **Biholar, R.G.**, Poster “Masculinities and the Practice of Dominica’s National Gender Policy in Politics, Power and Gender Justice in the Anglophone Caribbean”, presented at UWI Mona Research Days “Innovating for Development through Science, Creativity, Productivity and Governance” February 9–11, 2015.
- **Ffolkes-Goldson, S.**, “Corporate Governance as a Mechanism for the Deterrence of Economic Crimes” was published in June 2015 in the *Journal of Financial Crimes*, Volume 22 Issue 3, 2015, 347.
- **Haynes, J.**, “Recent Trends in Post-Independence Constitutional Reform in the Commonwealth Caribbean” in Andrew Robertson and Rupert Jones-Parry (eds), *Commonwealth Governance Handbook*: Nexus Publishing. Chapter 4 (2015).
- **Haynes, J.**, “European Anti-Trafficking Law and Practice: A Rights-Based Perspective.”, University of Copenhagen Postgraduate Law

Conference: *Migration Law Plenary*. Copenhagen, Denmark, Faculty of Law, University of Copenhagen (2015).

- **Haynes, J.**, Review of “Caribbean Integration Law by David Berry [Oxford University Press, Oxford, 2014, ISBN 978-0-19-967007-9, 512pp, £85.00 (hbk)].” *International and Comparative Law Quarterly* 64.03 (2015): 738–740.
- **Haynes, J.**, “The Modern Slavery Act (2015): A Legislative Commentary.” *Statute Law Review* 1–24 (advance access) (2015) Available at: <http://slr.oxfordjournals.org/content/early/2015/07/23/slr.hmv024.full.pdf+html>
- **Haynes, J.**, “Revisiting the Locus Standi of Private Applicants in Judicial Review Proceedings under CARICOM and European Union Law: A Comparative Perspective”. *Commonwealth Law Bulletin* 41(1): 59–81 (2015).
- **Robinson, T.**, Bulkan A., Saunders, A., *Fundamentals of Caribbean Constitutional Law* (Sweet and Maxwell 2015) (517 pages).

NATIONAL ENGAGEMENT AND OUTREACH

- **Biholar, R.G.**, June 2015, ‘Why do we still need to talk about women’s rights and violence against women? Discriminatory gender stereotyping endorsed by the law in the Jamaican legislation’, Presentation at Workshop with Jamaican Parliamentarians, Kingston, Jamaica.
- **Biholar, R.G.**, April 15, 2015, participation in the focus group discussion with gender experts in the academia and civil society organised by the United Nations Special Rapporteur on Violence Against Women, its Causes and Consequences, Office of the UN Resident Coordinator and the Institute for Gender and Development Studies, Mona Unit. This meeting focused on discussing the manifestations of gender based violence in Jamaica and debating strategies for its elimination, and had the purpose to share data for and support the UN Special Rapporteur’s country report on Jamaica.

- **Biholar, R.G.**, March 7, 2015, Volunteer Judge in the Jamaica National Rounds of the 2015 Philip C. Jessup International Law Moot Court Competition before ICJ, Court of Appeal, Kingston, Jamaica.
- **Biholar, R.G.**, February 15–19, 2015, ‘The Convention on the Rights of the Child and the Convention on the Elimination of All Forms of Discrimination Against Women’, Presentation at the Ministry of Environment & Home Affairs & The Department of Social Development & Gender Affairs Workshop on children’s rights and women’s rights for government officials, House of Assembly, Grand Turk, Turks and Caicos.
- **Biholar, R.G.**, November 24–27, 2014, ‘CRC and CEDAW State Reporting in the Caribbean Region’, Presentation at the Ministry of Social Development & Housing, UNICEF and UN WOMEN Workshop on children’s rights and women’s rights for civil servants and civil society representatives, St. George’s, Grenada.
- **Biholar, R.G.**, September 1–2, 2014, ‘Gender Equality and International Human Rights Standards’, Presentation at the UN Women Symposium on Gender Equality and the Law for members of the judiciary, Nassau, The Bahamas.
- **Biholar, R.G.**, August 23, 2014, Involving Faculty of Law students in the Friedrich Ebert Stiftung (FES) Consultation on the review of the Jamaica Sexual Offences Act 2009, ‘She Who Feels it Knows it: Women’s Human Rights & The Sexual Offences Act (2009)’, Alhambra Inn, Kingston, Jamaica.
- **Biholar, R.G.**, August–October 2014, Supervising students’ writing and presentation of the legal submission to the Joint Select Committee of the Houses of Parliament for the review of the Sexual Offences Act 2009 [the submission written and presented by the UWI Faculty of Law students has been endorsed by SISTREN Theatre Collective and supported by Friedrich Ebert Stiftung (FES)].

PUBLIC SERVICE

- **Corthésy, N.**, 2015, Judge (Written Memorials and Oral rounds) of The Inaugural Queen Mary University of London Internal Intellectual Property Law Moot 2015.
- **Lewis, C.**, 2014–2015, President, Rotary Club of Trafalgar New Heights, Kingston, Jamaica.
- **Lewis, C.**, 2014–2015, Director, Community Based Rehabilitation Jamaica Board.

REGIONAL AND INTERNATIONAL COLLABORATION

Public Lectures and other Collaborative Efforts

- The Faculty of Law hosted the first Mona Law Event for the 2014/2015 academic year on Thursday, September 25, 2014. The Public Lecture entitled “Addressing discriminatory gender stereotyping endorsed by the law. The review of the Jamaica Sexual Offences Act 2009” was also used to launch the book entitled *Transforming Discriminatory Sex Roles and Gender Stereotyping: The implementation of Article 5 (a) CEDAW for the realisation of women’s right to be free from gender-based violence in Jamaica* authored by Dr. Ramona Biholar, lecturer in the Faculty of Law. Presentations were also made by Professor Barbara Bailey, Jamaican member of the UN CEDAW Committee, and Ms. Judith Wedderburn Director of the Friedrich Ebert Stiftung (FES) in Jamaica.
- The Faculty of Law, in partnership with the Department of Economics, hosted a joint conference under the theme “Marijuana Legalization and Decriminalization” on October 28, 2014. Dr Mark Gillis, Lecturer in the Faculty of Law served as a panellist alongside Dr. Andre Haughton, Lecturer, Department of Economics; Dr. K’adamawe K’nife, Lecturer, Mona School of Business and Management; Senator the Honorable Mark Golding, Minister of Justice; Ms. Wanda James, Member of the Cannabis Global Initiative, Colorado USA and a representative from the Public Health Department, Jamaica.

- Aimed at exploring a dynamic and multidimensional approach to legal advocacy and the practice of law, the Faculty convened a Public Lecture and Panel Discussion on November 21, 2014 entitled, “Law, Media and Social Justice”. The panel explored issues such as whether it is ethical for an attorney to intentionally use the media to further litigation, the legislative process, or social justice movements. They sought to examine specific cases, the social justice movements that often accompany litigation and the use of media tempered by ethical and professional obligations. Ms. Jasmine Rand, founding attorney of Rand Law, L.L.C. in Miami, Florida was the main speaker. The distinguished panel also included Senator Tom Tavares-Finson and Senator Marlene Malahoo Forte. Mrs Lalea Davis-Mattis, Adjunct Lecturer in the Faculty of Law and University Counsel served as moderator for the event.
- The Faculty, in collaboration with National Integrity Action (NIA), hosted a two day event on December 3 and 4, 2014. Day One was the launch of the Proceeds of Crime Act Manual, entitled “Taking the Profit out of Crime”, authored by Dr Shazeeda Ali, Deputy Dean with responsibility for Graduate Studies and External Affairs in the Faculty of Law. Day Two followed with a round-table discussion including the author and Mr Ivan Krolick, Foremost British Barrister on Financial Crime, as well as, Mr Kent Pantry, former Director of Public Prosecutions.
- The Faculty in collaboration with the Magna Carta 800th Anniversary Committee in the United Kingdom, through Dr. Hamid Ghany, Senior Lecturer in Political Science and Coordinator of the Constitutional Affairs and Parliamentary Studies Unit (CAPSU) in the Faculty of Social Sciences at the St. Augustine Campus, hosted a public lecture by Dr Derrick McKoy, Dean of the Faculty of Law at Mona on February 4, 2015. The lecture entitled “The Influence of the Magna Carta on Human Rights in Jamaica”, formed part of a project aimed at promoting the understanding of the Magna Carta in the Commonwealth Caribbean and in recognition of its 800th Anniversary.

- In collaboration with the Faculty of Law, the Chartered Institute of Arbitrators, Caribbean Branch, hosted its Centenary Conference July 6–10, 2015 in the Faculty. The first two days of the Conference took the form of CI Arb Training while the other three days comprised of conference presentations and mock international arbitration.

PAPERS PRESENTED AT MAJOR CONFERENCES

Biholar, R.G., ‘International Perspectives and the Jamaican Legal Framework’, Presentation at the Friedrich Ebert Stiftung (FES) Consultation on the review of the Jamaica Sexual Offences Act 2009, ‘She Who Feels it Knows it: Women’s Human Rights & The Sexual Offences Act (2009)’, Alhambra Inn, Kingston, Jamaica, August 23, 2014.

Biholar, R.G., ‘Addressing Discriminatory Gender Stereotyping Endorsed by the Law. The Review of the Jamaica Sexual Offences Act 2009’, Public Lecture and Book Launch, UWI Faculty of Law, Mona, Kingston, September 25, 2014.

Biholar, R.G., ‘Women’s Rights are Human Rights’, Presentation and Talk at the Women’s Rights Forum, UWI STAT Vice Chancellors’ Ambassadors Mona Corps, The University of the West Indies, Mona campus, Jamaica, September 25, 2014.

Ffolkes-Goldson, S., Cambridge International Symposium on Economic Crimes from September 1, 2014 to September 7, 2014; presented a paper on September 6, 2014 entitled: “Protecting the Sources of Information”.

Biholar, R.G., ‘Human Rights Considerations Related to the Mandate of the West Kingston Commission of Enquiry’, Presentation at the Media Workshop on Reporting on the West Kingston Commission of Enquiry, UNDP Jamaica, Kingston, Jamaica, October 2, 2014.

Biholar, R.G., ‘Gendered Justice’, Guest Lecture for the Institute for Gender and Development Studies (IGDS), the Regional Coordinating Unit, the Graduate Programme, UWI Mona, November 10, 2014.

- **Robinson, T.**, 'The Washington D.C. Inter-American Human Rights System and the Role of Caribbean Attorneys and Civil Society Organisations', The Third IJCHR (1988) Ltd Charter of Rights Lecture, Jamaica, December 10, 2014.
- **Robinson, T.**, 'An Overview of Child Rights: A Caribbean Perspective' Trinidad and Tobago Family Court, Continuing Education Seminar, Magdalena Grand Beach Resort, Tobago, January 23–25, 2015.
- **Ali, S.**, 'The Power of POCA' Opening Remarks at the National Integrity Action's Anti-Corruption and Financial Crime Investigators' Training Seminar, Kingston, Jamaica, January 26, 2015 (4 pages).
- **Biholar, R.G.**, 'Addressing Discriminatory Gender Stereotyping Endorsed by the Law. The Review of the Jamaica Sexual Offences Act 2009', Mona Law Series Public Lecture and Book Launch, UWI Faculty of Law, Western Jamaica Campus, Montego Bay, February 5, 2015.
- **Robinson, T.**, Keynote Address, 'Sexual Violence in the United States Military' at a forum "Sexual Assault in the United States Military: How Far Have We Come?" organised by Cornell University Law School Avon Global Center for Women and Justice and New York City Bar, February 19, 2015, New York.
- **Robinson, T.**, 'The Irony of Equality and Non-discrimination in Anglophone Caribbean Constitutional Law'. Paper presented at the VIII Encuentro Internacional: "Constitucion, Democracia Y Sistemas Politicos", Taller Regional sobre Derecho Constitucional en el Caribe: Género, Sexualidad y Raza organised by Inter-Mujeres Puerto Rico y el Instituto de Estudios sobre Mujeres, Género y Derecho de la Facultad de Derecho de la Universidad Interamericana de Puerto Rico, 25 February 2015, Cuba.
- **Ffolkes-Goldson, S.**, Caribbean Corporate Governance Insitute's Corporate Governance Workshop: Board Accountability, Disclosure, Audits, Evaluation in February 2015; presented a paper entitled: "Board Accountability, Legal Redress – Challenges and Opportunities Under Jamaican Law."

- **Biholar, R.G.**, ‘Rape, Grievous Sexual Assault & Marital Rape’, Guest Lecture for the Course Criminal Law II, UWI, Faculty of Law, Mona, March 11, 2015.
- **Corthésy, N.**, WIPO Standing Committee on the Law of Trademarks, Industrial Designs and Geographical Indications; Thirty-Third Session and Side Event on the Protection of Country Names; Geneva, Switzerland. March 16–30, 2015.
- **Biholar, R.G.**, ‘Legal Reform in Jamaica’, Guest Lecture for the Institute for Gender and Development Studies (IGDS), the Regional Coordinating Unit, the Graduate Programme, UWI Mona, March 30, 2015.
- **Ali, S.**, ‘Money Laundering and Corruption: an Unholy Alliance’ Faculty of Law Inaugural Symposium on Law, Governance and Society, Rose Hall, Jamaica, April 25, 2015 (21 pages).
- **Ali, S.**, ‘Money Laundering and the Funding of Terrorist Groups’ Model United Nations Club Forum, UWI, Mona, Jamaica, April 2, 2015 (5 pages).
- **Corthésy, N.**, Fordham University Law School; 23rd Annual Conference on Intellectual Property Law and Policy in Cambridge; Cambridge University, Cambridge England. April 7–9, 2015.
- **Robinson, T.**, Keynote Address, ‘Eliminating a Culture of Violence against Women’, First International Seminar on the Culture of Violence against Women, organized by the Instituto Vladimir Herzog and Instituto Patricia Galvao, Sao Paulo, Brazil, May 21, 2015.
- **Robinson, T.**, ‘International Human Rights, Treaty Obligations and the Implications for the Trinidad and Tobago Judiciary’, Annual Judges and Masters Continuing Education Seminar, Judicial Education Institute of Trinidad and Tobago, Tobago, May 23, 2015.
- **McKoy, D. V.**, ‘Corruption in the Western Hemisphere: Impediment to Citizen Security and Democratic Consolidation’ organized by the William J. Perry Center for Hemispheric Defense Studies, July 15, 2015.

- **Robinson, T.**, 'Human Rights, Health and the Medical Profession in the Twenty-First Century: Human Rights as a Bedrock for Patient Care', Fourteenth William Dennis Memorial Lecture, Department of Surgery, Faculty of Medical Sciences, UWI Mona, Jamaica, 16 July, 2015.



UNIVERSITATEA
POLITEHNICA
DE BUCURESTI

FACULTY OF MEDICAL SCIENCES

Mona

Year ending July 31, 2015



PROFESSOR HORACE FLETCHER

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

Dean

– *Dean’s Overview* –

HIGHLIGHTS OF WORK IN THE FACULTY

Academic Year 2014/2015 was fruitful despite some challenges. The Faculty of Medical Sciences Teaching and Research Complex (FMS TRC) was formally opened on February 4, 2015 by the Most Honourable Portia Simpson, Prime Minister of Jamaica. The activities were marked by an official ceremony during which the Doctor of Dentistry (DDS) Programme was also officially launched. The FMS TRC houses the administrative sections of the Dean’s Office, including some facilities of the DDS programme, all sections of the Department of Basic Medical Sciences, laboratories utilized by SODECO, a clinical trials centre which was recently outfitted, and the Sports and Physical Therapy Clinics. The Complex also houses CARITOX and CARIGEN laboratories which conduct genetic testing. Additionally, the amendment to the drug law has enabled the UWI/FMS to participate in Cannabis research with international agencies resulting in efforts being made to remodel an area at the Complex to house a ‘Green House’. To this end, the Principal, under whose purview the project falls, held a Press Launch for the Symbolic Planting of Jamaica’s first Legal Cannabis Plant on the grounds of the Complex.

Rotations at the non-University Hospital of the West Indies (UHWI)

clinical sites have expanded during the 2014/2015 academic year and have all been very successful. The most recent site, the St. Ann's Bay Hospital, which came into service on June 29, 2015, has shown tremendous promise. However, the domestic arrangements for the accommodation of students at all sites were sometimes problematic but were being addressed. In spite of these challenges the rotations continued to receive accolades from the students who not only expressed their satisfaction with the experience, but have sought to do their internship at these off-sites. The associate lecturers at the peripheral sites have continued to show great enthusiasm for teaching the students and have also been involved in end-of-clerkships examinations, both in their Hospitals and at the UHWI.

There have been challenges due to issues with resources and infrastructural development. One of the main challenges was the lack of adequate video conferencing facilities which impacted negatively on the streaming of lectures/tutorials to the Western Jamaica Campus (WJC). This necessitated the engagement of a company to install new multimedia equipment. The lecture theatres have since been functional and streaming to the WJC has been smooth. More work needs to be done and efforts have also been made to install a camera in Gross Anatomy to facilitate lab demonstrations. In addition there is need for a new microscope for demonstration of slides. These equipment will further enhance the teaching and learning of undergraduate students at the WJC. The long-term plan is to outfit the entire complex with multimedia services. However, the infrastructure projects for the DDS programme remain largely incomplete at the end of the period under review. The delay in completing the first floor of the Dental Polyclinic affected the transition of the second cohort of students into their clinical phase. The first cohort of students' programme was substantially completed but required a six-month extension which was approved by the UWI without penalty to the students affected.

The inability of the Faculty to attract new members of academic staff for critical areas such as Anatomy and Physiology has resulted in the continued retention of staff on post-retirement contracts. In spite of this,

the Faculty has been fortunate to benefit from expertise and competence of new staff engaged locally and internationally for other areas. The lack of adequate and professional security personnel in itself has posed challenges for effective security measures at the Complex. Given the size and design of the Complex the installation of security cameras at strategic locations would greatly assist in managing these operations.

The challenges with lack of resources at the UHWI has resulted in reduced services in all disciplines thereby significantly reducing some experiences in the postgraduate programmes. Another area of concern was the diminishing number of patients visiting the UHWI for treatment. There was an average of 20% decline in all areas (except Internal Medicine). The continued decline in the number of Obstetric patients for delivery, compromises both the undergraduate and postgraduate experience in Obstetrics and Gynaecology and the midwifery programmes. Fortunately, this inadequacy has been resolved when students rotate at other Hospitals.

The Laboratory Information System (LIS), which is a patient information management system, went live in February 2015. Three labs in the Department of Pathology – Blood Bank, Haematology and Chemical Pathology – have started to utilize the system. Two other labs, Histology and Cytology, have been working on improving access to the system.

The Faculty continued with a stable intake of approximately 350 students in the MBBS programme with focus on an increase in the number of students accepted to the full-fee paying programme, particularly non-Jamaicans. There was a simultaneous decrease in the quota for the government sponsorship places. Students in the MBBS programme received an offer for financial assistance from two initiatives through the Office of the Principal: (1) the UWI, Mona/Ministry of Education (MOE) Joint Financial Assistance Initiative, particularly for 1st and 2nd year Jamaican students registered in the full-fee paying MBBS programme. The assistance was given on the basis of 'need' and included the UWI's 50% Bursary, the MOE's Grant of \$500,000 and a loan of \$650,000 from the Student Loan Bureau (SLB). (2) The Scotia Professional Student Plan is available to all MBBS Students. This is a non-revolving

loan scheme for the total cost of the programme of study with annual drawdowns. Also, the family of the late Danielle Hanson, former student of the MBBS programme, established a Bursary (The Danielle Hanson Memorial Bursary) which would be awarded to two students in the 1st year of the MBBS programme based on outstanding performance in CAPE and verifiable financial need.

TEACHING, LEARNING AND STUDENT DEVELOPMENT

The DDS programme completed the submission to the Caribbean Accreditation Authority for Education in Medicine and Other Health Professions (CAAM-HP) in preparation for the full accreditation site visit scheduled for November 3–6, 2015. The UWI School of Nursing (UWISON) has also begun the process of seeking accreditation of its programmes from the CAAM-HP.

The UWI/FMS signed a contract with the Government of Jamaica (through the Planning Institute of Jamaica and the Ministry of Health) to provide advanced medical and nursing training for the Programme for the Reduction of Maternal and Child Mortality (PROMAC) project. The training and research consultancy of PROMAC was funded by the European Union (EU) to the tune of €1.1M and was scheduled to run for 3.5 years (July 2014–November 2017). Partner agencies included the Planning Institute of Jamaica and the Ministry of Health. The project is overseen by a team in the FMS, led by the Dean. Graduates of the programmes are expected to staff the High Dependency Units (HDUs) which will be established by the Ministry of Health islandwide. These HDUs will provide critical care to mothers and newborn to facilitate the reduction of maternal and neonatal mortality and morbidity. New training programmes developed included Fellowships in Maternal/Fetal Emergency Medicine; Critical Care and Neonatology and a course in Obstetric Ultrasound. Approximately 80 scholarships will be awarded for the new programmes, as well as for training in the DM Anaesthesia & Intensive Care, DM Obstetrics & Gynaecology, DM Paediatrics and MScN in Nursing Education programmes.

Courses/programmes approved and/or introduced in 2014/2015:

Course/Programmes Approved and Introduced

Postgraduate

- Clinical Fellowship in Maternal Fetal and Emergency Obstetrics
- Clinical Fellowship in Critical Care
- MPhil/PhD in Chemical Pathology programme
- Directed Reading in Public Health Course
- Obstetric Ultrasound Course

Course/Programmes Introduced

Undergraduate

- New four year BScN curriculum which was approved by the Nursing Council of Jamaica was fully implemented, resulting in the School having four year groups of students for the first time.

Postgraduate

- Online Course in Research Skills for DM Residents
- Fellowship in Neonatology
- MPH Gerontology
- Postgraduate Diploma in Gerontology
- MBA-MPH in Health Management
- The Master of Public Health programme was changed from a day programme to an evening programme, in order to address the changing needs of the target groups.

Courses/Programmes Approved

Undergraduate

- Undergraduate Doctor of Pharmacy (Pharm-D) programme
- Anti-Doping in Sports Course

Postgraduate

- Postgraduate Diploma in Forensic Sciences
- Postgraduate Diploma in Loss, Grief and Trauma Management
- MSc in Biomedical Research
- PhD in Basic Medical Sciences (Anatomy, Biochemistry, Applied Microbiology, Pharmacology, Pharmacy, Physiology and Toxicology)
- Specialty Topics in Public Health Course

Amendment to existing programmes

- The MSc Forensic Sciences programme was amended to allow for transition from the Diploma programme.
- Several courses in the BSc Diagnostic Imaging programme were approved for change from either year-long courses to semester courses and *vice versa*. This completes the final transition of the programme from a hospital-based tertiary programme at the UHWI to a Baccalaureate programme at the UWI.
- The Medical Microbiology programme offered in the Department of Basic Medical Sciences was amended to eliminate overlap and provide students (particularly in the final year [level 3] courses) with a greater appreciation of the reach of Microbiology in critical areas of Research (high-throughput sequencing), Health-care (tracking pathogens), and Industry (food and drug development). Pre-recorded guest lectures by experts in Microbiology (courtesy of the American Society for Microbiology) have been included in the laboratories and have served to buttress the theoretical and practical experiences of the students.

The Jamaica Nurses Group in New York gave two scholarships of US\$1000.00 each to two third year students at the UWI School of Nursing, with GPAs of ≥ 3.5 . The group also gave a stethoscope to a third student and donated a barrel of books to the School. Also, Ms. April Tulloch, a student, received a scholarship of US\$1,000.00 from the UHWI Batch – 61 Memorial Scholarship. The Faculty supported

over 600 students by way of bursaries, grants and scholarships amounting to over Ja\$500m. Also, collaboration with the Centre for Forensic Science and Medicine at the University of Toronto resulted in residents in the DM Pathology Programme with special interest in Forensic Pathology participating in observerships at the Office of the Chief Coroner and Ontario Forensic Pathology Services.

RESEARCH AND INNOVATION

The Faculty continued to be actively engaged in research activities across the disciplines and with local and international collaborators. Some 15 members of staff received research grants from external sources totalling J\$371,129,719.

A DM Ophthalmology student, Dr. Tecah Mae Foster, embarked on her first research project which focused on understanding the knowledge, beliefs and practices of diabetic patients attending the retina clinic of the UHWI. While her 2014 study provided evidence of adequate knowledge of the disease, it also showed that this knowledge did not translate into healthy practices. She has presented her study at a conference and completed her first manuscript. Dr. Foster had commenced work on her second paper on quality of life issues and she planned to conduct further studies on the impact of visual impairment on the quality of life of patients with diabetic retinopathy.

The PROMAC study component titled “Incidence, Risk Factors and Outcome of Prematurity in the Jamaican Population”, designed to track a cohort of approximately 3000 pregnant women to identify the rate of prematurity and associated risk factors.

The Faculty had also implemented measures geared at increasing its research output, these included:

- The development of a ‘toolkit’ by the UWI Ethics Committee, Mona, which was launched in March 2015. The toolkit covered essential information on the content of proposal as well as the principles of research ethics and would support the preparation of research proposals by faculty and students.

- The design a web portal to facilitate online submission of research proposals to the UWI Mona Ethics Committee. This would result in cost-saving and improved tracking of proposals.
- The establishment of a “FMS Publishers Club” aimed at providing paired mentorship for academic development through increased publications, with specific focus on junior staff.
- A new requirement for presenters to submit abstracts and full papers for the FMS Annual Research Conference for 2015. The aim was to facilitate the conversion of abstracts to manuscripts.

Table 1: Publications per Department

Department	Publications 2014/2015	Conference Presentations 2014/2015	Books (b)/ Book Chapter (bc) 2014/2015
UWI School of Nursing	7	8	–
Basic Medical Sciences	51	33	5(b); 7(bc)
Community Health & Psychiatry	47	15	1(bc)
Medicine	12	9	–
Obstetrics & Gynaecology	6	7	–
Child & Adolescent Health	26	15	–
Pathology	12	9	1(bc)
Microbiology	11	10	–
Surgery, Radiology, Anaesthesia & Intensive Care	31	61	–
TMRU/Sickle Cell Unit	70	3	1(bc)
Units/Sections under the Dean's Office	3	11	3(b); 2(bc)
Total	276	181	8(b); 12(bc)

Research Awards

Several members of staff in the Faculty were awarded for their outstanding research work in the previous academic year at the Principal's Annual Research Awards Ceremony held in February 2015, as follows:

The Best Research Publications

- “Labour market returns to an early childhood stimulation intervention in Jamaica.” Gertler P., Heckman J., Pinto R., Zanolini A., Vermeerch C., **Walker S., Chang S.,** Grantham-McGregor S. *Science* 344, 6187(2014):998-1001.
- “Statins Associated With Orthostatic Hypotension in the Aging Hypertensive Adult of Caribbean Descent and the Protective Benefits of Angiotensin Enzyme Inhibitors.” Smith, L., **Gossell-Williams, M. and Eldemire-Shearer, D.** (2014). *International Journal of Health Sciences and Research*; 4(5) 2014, 6-13. (IF 3.5)
- “Cognition, academic achievement, and epilepsy in school-age children: A case-control study in a developing country.” **Melbourne Chambers R., Morrison-Levy N., Chang S., Tapper J., Walker S., Tulloch-Reid M.** *Epilepsy & Behaviour* 33(2014):39-44. (IF 2.186)

The Most Outstanding Researcher or Research Activity

- **Professor Marvin Reid** for producing nine articles during the period:
Articles: “Diagnostic accuracy of spot and timed measurements of albumin: creatinine ratios to determine microalbuminuria in sickle cell disease.” *West Indian Medical Journal* 62, 9 (2013):808-816. “A trial comparing the use of rectal misoprostol plus perivascular vasopressin with perivascular vasopressin alone to decrease myometrial bleeding at the time of abdominal myomectomy.” *Fertility and sterility*. 100, 4 (2013):1044–9. “Effects of randomized supplementation of methionine or alanine on cysteine and glutathione production during the early phase of treatment of children with edematous malnutrition.” *The American Journal of Clinical Nutrition* 99,

5(2014):1052–1058. “Dietary supplementation with aromatic amino acids increases protein synthesis in children with severe acute malnutrition.” *Journal of Nutrition* 144, 5(2014):660-666. “A dose-escalation phase IIa study of 2, 2-dimethylbutyrate (HQB-1001), an oral fetal globin inducer, in sickle cell disease.” *American Journal of Hematology* 88, 11(2013):E255-60. “Plasma concentration of platelet-derived micro-particles is related to painful vaso-occlusive phenotype severity in sickle cell anemia.” *PLoS One*. 9, 1(2014):e87243. “Gangrene of the digits of the right lower limb in a patient with homozygous sickle cell disease and ulcerative colitis.” *Clinics and Practice* 4, 1(2014):610. “A double-blind, placebo-controlled phase II study of the efficacy and safety of 2, 2-dimethylbutyrate (HQB-1001), an oral fetal globin inducer, in sickle cell disease.” *American Journal Hematology*; 89, 7(2014):709–13. “Pathological factors affecting gastric adenocarcinoma survival in a Caribbean population from 2000–2010.” *World Journal of Gastrointestinal Surgery* 6, 6(2014): 94–100.

- **Dr. Eric Williams and Dr. Jean Williams-Johnson**, Department of Surgery, Radiology, Anaesthesia and Intensive Care

Activity: For the work published in a Special Issue entitled “Emergency Medicine”. *West Indian Med J* 2014; 63(3). A compendium of research articles and other submissions under the theme “Emergency Medicine in the Region-Merging with other specialties”.

- **Professor Frederick Hickling and Dr. Geoffrey Walcott**, Department of Community Health and Psychiatry

Activity: Research project “Countering Youths and Urban Violence with a Community Engagement Cultural Therapy Program in Kingston Jamaica”.

The Research Project Attracting the Most Research Funds

- **Professor Susan Walker, Dr. Christine Powell, Dr. Susan Chang-Lopez, and Dr. Helen Henningham**, Tropical Medicine Research Institute.

Project: “Expanding access to a proven early stimulation program through a web-based package and technical support.”

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

- **Professor John Lindo** and **Dr. Sandra Jackson**, Department of Microbiology

Project: “Establishing a Biosafety Level 3 Laboratory and Strengthening Viral Diagnosis for Jamaica.”

Award of Prizes from the FMS Annual Research Conference

Several prizes were awarded to both staff and students at the Faculty of Medical Sciences’ Annual Research Conference for Academic year 2014/15. These prizes include: The Dean’s Prizes (Best Oral Presentation; Best Poster Presentation; Best Synopsis); UWI Alumni Prize to Medical Students; Basic Medical Sciences, FMS Prize; American Society for Microbiology prize; The Association for Consultant Physicians of Jamaica Prize; Jamaica Anaesthetists Association Prize; Nursing prize and the pharmacology prize.

- Dean’s Prize for best overall presentation: Mr. Kristopher Knight. Includes a fully paid trip to present the research at the CARPHA.
- Best Oral Presentation: G Barrow, N Palmer-Mitchell, EN Barton, MG Lee
- Best Poster Presentation: K Knight, P Thomas, M McKoy
- Best Synopsis (Oral Presentation): P. Brown, K James, A. McCaw-Binns, A. Standard-Goldson
- UWI Medical Alumni Prize to Medical Students for best Oral Presentation: G Alexander, C-M Bebee, K-M Chen, R-M Des Vignes, B Dixon, R Escoffery, C Francis, D Francis, Z Mendoza, S Montano, M Nelson, S Ramcharan, S Richards, MD Jackson.

NATIONAL ENGAGEMENT AND OUTREACH

The Caribbean Institute of Mental Health and Substance Abuse (CARIMENSA) continued to contribute to local, regional and international development through the “Dream-A-World Cultural Resilience Programme”, in collaboration with the Ministry of Health. CARIMENSA has trained 41 teachers and 23 guidance counsellors in Cultural Therapy, and has partnered with the McGill University Advanced Institute in Social and Cultural Psychiatry in facilitating a Dream-A-World Cultural Therapy Workshop at the McGill University in Montreal.

The Division of Sports Medicine continued to provide medical support to National teams through pre-participation evaluations and injury management at international events, as follows:

- Medical coverage of Test Matches against England in Antigua – Dr. Mansingh
- Medical coverage of Test Matches against Australia in Dominica and Jamaica – Dr. A. Mansingh
- Medical coverage at CAC games in Mexico – Drs. A. Mansingh and Singh
- Medical coverage at Pan Am games – Dr. P. Singh
- Team Doctor for Jamaica at World Netball Championships – Dr. P. Singh
- Team Physiotherapist at World Athletics Championships – Mr. M. Parchment

The Faculty has produced a semi-annual newsletter dedicated to showcasing the health research contributions of the UWI through the FMS. The FMS Research Page has been disseminated to UWI campuses as well as partner agencies, including the Ministry of Health and the Pan American Health Organization.

Dr. Jasneth Mullings, Epidemiologist/Biostatisticians in the Office of the Dean, is engaged in a research-driven intervention project “Child Development Agency Child Health and Wellness Study in Residential

Child Care Facilities, Jamaica”. Commissioned by partners – the Child Development Agency, UNICEF and the National Family Planning Board. The project seeks to identify and describe the vulnerabilities of adolescents in state care through the thematic areas: self and interpersonal relationships, sexual and reproductive health, economic empowerment. The findings will inform the development of a life-skills based adolescent intervention programme for vulnerable youth in places of safety. The findings are also expected to target wider policy and programming for adolescent health. Dr. Mullings also sits on the Advisory Committee for the project.

REGIONAL AND INTERNATIONAL COLLABORATION

The Jamaica Medical Students Association (JAMSA) continued its partnership with the International Federation of Medical Students' Association (IFMSA) and has made representation at its annual meeting. The theme for the event was “Youth Empowerment for a Healthy Future Approached Through Education, Sciences and Global Health”. The team from JAMSA had the opportunity of contributing to discussions/decisions on how countries in Pan-American Students' Association region would operate under the International Federation of Medical Students' Association.

Dr. Paula Dawson continues with the Spasticity Treatment Workshop is held tri-quarterly annually. This is a collaboration between the Division of Physical Medicine and Rehabilitation, Dean's Office; the Department of Surgery, Radiology, Anaesthesia and Intensive Care; the Bustamante Hospital for Children; and the Gillette Children's Specialty Healthcare in Minnesota, USA. This initiative involves the treatment of patients diagnosed with cerebral palsy with spasticity. A total of approximately 250 procedures were conducted, inclusive of six neurosurgeries, six orthopedic surgeries and administration of Intramuscular Phenol Injections. The team also conducts fittings and customization of orthotics and durable medical devices.

Through Dr. Paul Brown, Department of Basic Medical Sciences, in his

capacity as Country Ambassador to Jamaica for the American Society for Microbiology and Chair of the Ambassador Leadership Circle two PhD students have benefited from partnerships with the University of Richmond, Virginia, USA and the University of Waterloo, Canada. Also, In April 2015, a team of five persons, including Professors Horace Fletcher, Rainford Wilks and Rosemarie Wright-Pascoe, as well as Drs. Steve Weaver and Paul Brown (liaison point person) visited the University of Minnesota, USA and held discussions with faculty and senior administrative staff in relation to the development of an agreement between the two institutions. This agreement, which was signed in August 2015 by the Principal on behalf of UWI, would allow for (at the minimum) the following areas of cooperation and exchange: exchange of faculty members; exchange of students; joint research activities; exchange of research results, academic publications and other academic information; and organization of joint conferences or symposia.

With the agreement signed between the UWI and University of Minnesota, it is hoped that several students and staff would be able to participate in joint research projects and other initiatives. Two activities have since been initiated. (1) The Sir Kenneth Standard Distinguished Lecturer for the upcoming Faculty of Medical Sciences Annual Research Conference would be Professor Badrinath Konety, Professor and Chair of the Department of Urology at the University of Minnesota. (2) A joint 3-credit course in Global Health, Globalization and Leadership was being developed between the UWI FMS (Community Health and Psychiatry) and the Center for Global Health and Social Responsibility, University of Minnesota for delivery in December 2016. This course will attract regional and international students including from the USA.

The UWISON has been engaged in external collaboration which saw all parties hosting both staff and students for educational and developmental activities, and has signed a MOU with the Clarence Fitzroy Bryant College for franchising of the BScN programme. The School has partnered with the Registered Nurses' Association of Ontario (RNAO) and the University Hospital of the West Indies (UHWI) for the implementation of best practice guidelines to facilitate evidence based

nursing care. To this end, the School was preparing to submit an application to be designated as an academic Best Practice Organisation (BPSO).

DISTINGUISHED VISITORS

Dean's Office

- Ambassador Charles Ntwaagae, Ambassador for the Republic of Botswana – February 2015
- Dr. Henley Morgan, Honourary Consul General to Jamaica, Republic of Botswana – February 2015
- Ms. Neo Maruping, Educational Attache, Embassy of the Republic of Botswana – July 2015
- Ms. Yanike Gonzales, Centro de Isotopes (Center for Isotopes) in Havana Cuba – January 2015

Department of Obstetrics and Gynaecology

- Dr. Karolyn Echols, Associate Professor of Obstetrics and Gynecology and Program Director, Female Pelvic Medicine and Reconstructive Medicine, Temple University, Philadelphia, USA.

Department of Medicine

- Professor Harrison Farber, Professor of Medicine, Boston University – September 2014
- Dr Sharon Weissman, Programme Director Infectious Disease, University of South Carolina and Professor Helmut Albrecht, Head Infectious Disease, University of South Carolina – December 2014
- Professor Alan Barolet, International Programme Director Cardiology, Director Post-Graduate Education in Cardiology, University of Toronto, Canada – February 2015
- Professor Anthony Kalloo, Professor of Medicine, Director of Gastroenterology and Hepatology, Johns Hopkins University – June 18, 2015.

STUDENT ACHIEVEMENT

Dr. Tariq Parker, MBBS Class of 2014, received the 2015 Rhodes Scholar Award and was expected to study Neurosurgery at the University of Oxford in England. Dr. Parker graduated from the UWI Mona Campus in 2014 with an MB BS Honours degree with Distinction. He received Honours in Obstetrics and Gynaecology, Medicine and Surgery examinations as well as the subject prizes in Internal Medicine and Surgery for best academic performance across the Campuses.

Dr. Kizanne James, student in the MBBS Class of 2016 at the UWI Mona Campus was selected for the Global Youth Leadership programme. As part of the three year fellowship programme she will be given the opportunity to be part of the Latin America and Caribbean group that will focus on HIV/AIDS.

Undergraduate Student Awards – 2014/2015

BBMedSci

- Dean's List: 3 students
- Honour Society: 2 students
- Outstanding Graduands: 2 students

BSc Diagnostic Imaging (Radiography)

- Dean's List: 10 students
- Honour Society: 4 students
- Outstanding Graduands: 2 students

MBBS

- Dean's List: 49 students
- Honour Society: 7 students
- Outstanding Graduands: 2 students

DDS

- Dean's List: 7 students
- Honour Society: 4 students
- Outstanding Graduands: 2 students

Nursing

- Outstanding Graduands: 2 students

Physical Therapy

- Outstanding Graduands: 2 students

The MBBS Examination Results – Academic Year 2014/2015

	Pass	Honours	Distinction	Fail/FA	Total
Medicine (MDSC553)	253	9	–	17	279
Obstetrics & Gynaecology (MDSC554)	260	1	–	15	276
Surgery (MDSC555)	170	9	1	8	272
Total no. of students who sat the exam					296

Prizes/Medals

The following students were awarded prizes in the final MBBS examinations held in May/June 2015:

Subject Medals (All Campuses)

Pathology/Microbiology	–	Janelle-Cheri Millen
Obstetrics and Gynaecology	–	Abigail Morris
Medicine	–	Abigail Morris
Surgery	–	Matthew-Anthony Lyew
Overall Clinical Medal	–	Abigail Morris

Prizes/Bursaries

Professor Owen Morgan Prize in Medicine and Therapeutics	–	Abigail Morrison
Allenbury Prize in Medicine	–	Oraine Howell Kadeem Knight Larnelle Simms
General Surgery Prize	–	Matthew-Anthony Lyew Lori-Ann Vaz Ann-Belle Robertson Wayne Robinson
Dr. The Hon. John Hall Book Prize	–	Shari Brooks Kristen Facey Oraine Howell Kadeem Knight Jonathan Moriarty Abigail Morris Larnelle Simms Romario Thoma Loriann Vaz
Astley Karl Bambury Prize in Medicine	–	Matthew-Anthony Lyew
Professor Louis Grant Book Prize	–	Jenelle-Cheri Millen
Professor S.E.H. Brooks Memorial Prize	–	Jenelle-Cheri Millen
Sir Harry Annamunthodo Prize	–	Matthew-Anthony Lyew
Dr. Aubrey McFarlane Bursary	–	Matthew-Anthony Lyew

Paediatric Prize in Medicine & Therapeutics – Yannick-George Johnson

Medical Council of Jamaica Prize – Abigail Morris

Medical Association of Jamaican Insurance Fund Prize in Obstetrics and Gynaecology – Abigail Morris

BSc Physical Therapy Students, 2014/15

Best Performance in Anatomy – Anthony Miller

Best Performance in Physiology – Ottavia Reeves

Best Performance in Rehabilitation 1 – Axelle Prescott

Best Performance in Rehabilitation 2 – Anthony Miller

Best Performance in Rehabilitation 3 – Sashois Staple

Outstanding Performance in Clinical Placement – Jeanel Anderson

Best Performance in Medical Science 1 – Daniel Douglas
Shayna-Anique Blair
Shannon John

Best Performance in Medical Science 2 – Anthony Miller

Best Performance in Medical Science 3 – Anthony Miller

DEAN'S OVERVIEW

Undergraduate Enrollment for the Academic Year 2014/2015

Programme	Majors and Minors	No. of Students 2013/2014	No. of Students 2014/2015
BBMedSci	Anatomy	23	25
	Biochemistry	5	6
	Pharmacology	145	149
	Physiology	6	9
	Subtotal	122	189
BSc	Nursing (Post RN) Online Delivery	166	209
	Nursing (Generic)	892	1,147
	Physical Therapy	193	211
	Diagnostic Imaging	87	88
	Subtotal	1,338	1,655
DDS	Doctor of Dental Surgeon	64	85
MBBS	Bachelor of Medicine & Surgery	1,629	1,656
	Total	3,031	3,585

Graduated – Undergraduate Students – Academic Year 2014/2015

Programmes	No. of Students 2013/2014	No. of Students 2014/2015
MBBS	213	395
BSc Nursing (Generic)	223	16
BSc Nursing (Post RN)	61	47
BSc Physical Therapy	42	45
BBMedSci	44	33
BSc Diagnostic Imaging (Radiography)	14	19
Total	597	555

Registered Graduate Students (2014–2015)

Programmes	No. of Students 2013/2014	No. of Students 2014/2015
Specially Admitted	5	–
Dip Family Medicine	10	13
DM	403	412
MD	–	1
DrPH	27	34
MPH	35	44
Taught Masters	205	174
MPhil	56	55
PhD	30	28
Clinical Fellowship	1	1
Total	772	560

Completed Graduate Students (2014–2015)

Programmes	No. of Students 2013/2014	No. of Students 2014/2015
Dip Family Medicine	3	4
DM	75	69
DrPH	1	1
MPH	11	11
Taught Masters	77	59
MPhil	5	5
PhD	9	9
Clinical Fellowship	–	–
Total	181	158

STAFF PROMOTIONS

Professors

Dr. Maria Jackson (Professor of Nutritional Epidemiology), Department of Community Health and Psychiatry; Dr. Michael Boyne (Professor of Endocrinology and Metabolism) and Dr. Colin McKenzie (Professor of Human Genetics), Tropical Medicine Research Institute.

Senior Lecturers

The following members of staff were promoted to the level of senior lecturer: Drs. Trevor Ferguson, Monika Asnani, and Novie Younger-Coleman, Tropical Medicine Research Institute.

Honorary Professorship

Dr. Trevor McCartney, appointed Honorary Professor for three years July 1, 2014 to June 30, 2017 on attachment to the Department of Surgery, Radiology, Anaesthesia and Intensive Care.

RESIGNATION

Dr. Cheryl Bennett resigned from her position as Senior Lecturer in the Department of Basic Medical Sciences at the WJC, with effective from December 20, 2014.

OBITUARIES

The Faculty mourned the passing of the following:

- The late Dr Owen Desmond Oliver Minott, CD, member of the 1st graduating MBBS Class of 1954) and retired Lecturer in the Department of Community Health and Psychiatry – September 2014.
- The late Dr Donald Christian, member of the 1st graduating MBBS Class of 1954 and retired Senior Lecturer in the Department of Medicine.

- The late Mrs. Syringa Marshall-Burnett, CD, retired Senior Lecturer and former Head of the Department of Advanced Nursing Education (now UWI School of Nursing) – October 10, 2014.
- The late Danielle Hanson and Mikhail Campbell former first year medical students in the Faculty of Medical Sciences – November 29, 2014.
- The late Mr. George Cowie, Chief Laboratory Attendant in the Department of Microbiology – November 2014.
- The late Dr. Charles John Henry Thesiger, retired Senior Lecturer and Head of the Department of Psychiatry (now Department of Community Health and Psychiatry) – January 2015.
- The late Dr. Hugh McLean, former Senior Lecturer in the Department of Basic Medical Sciences (Pharmacology) – July 18, 2015.

CONCLUSION

Despite the challenges faced, the Faculty, working closely with the UWI administration, found strategic ways to overcome some of the issues. The IT infrastructure is a case in point as we move forward into the technological era. Measures continue to be implemented to ensure that the Faculty is positioned to provide first world experience for both staff and students through exposure to modern technology and infrastructure. Additionally, the Faculty is committed to facilitating an environment for collaboration with a view to enhancing the reputation of the UWI.

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 hosted UWI's first Biomolecular Sciences Conference on Friday, January 16, 2015 at the Faculty of Medical Sciences Teaching and Research Complex. Presenters hailed from the USA and the Caribbean. The guest speaker, Professor William Cole of Cardiovascular Research, Physiology & Pharmacology, University of Calgary, Canada delivered the plenary lecture on "Keeping your head under pressure: mechanisms of cerebral blood flow auto-regulation and dysfunction in disease".

The Department of Basic Medical Sciences Quality Assurance Review will be held in Semester 1, Academic Year 2015–2016. The period set for the review is November 2–6, 2015.

A new course, BIOC1016 – Anti-doping in Sports, was mounted in the Department in collaboration with the World Anti-doping Agency

(WADA) with an initial registration was of 41 undergraduate and 10 postgraduate students. Students were from the Faculties of Medical Sciences, Science & Technology, Law and Education & Humanities.

The Faculty of Science and Technology Microbiology major programme, which is offered by the Department of Basic Medical Sciences, was reviewed to eliminate overlap and provide students with a greater appreciation of the reach of microbiology in critical areas of Research (high-throughput sequencing), Health-care (tracking pathogens), and Industry (food and drug development). Pre-recorded guest lectures by experts in microbiology (courtesy of the American Society for Microbiology) have been included in the laboratories and have served to buttress the theoretical and practical experiences of the students.

Through Dr. Paul Brown's efforts as Country Ambassador to Jamaica for the American Society for Microbiology (which has close to 50% of members in over 100 countries outside of the USA) and Chair of the Ambassador Leadership Circle (includes nine Ambassadors), the institution's name is known worldwide and is associated with leadership in Microbiology and facilitating increased networking opportunities among scientists in many under-served populations. Through this network, two PhD students have benefited from partnerships with the University of Richmond, Virginia, USA and the University of Waterloo, Canada. With the agreement signed between the UWI and University of Minnesota, it is hoped that several students and staff will be able to participate in joint research projects and other initiatives.

The Department's operations at the WJC site continued with streaming of lectures, tutorials and some practical exercises between Mona and WJC, though some technical challenges to the quality and flow of information continued to impede the processes.

STAFF AWARDS AND PROMOTIONS

Dr. Paul Brown was appointed Chair of the Inaugural Ambassador Leadership Circle, American Society for Microbiology. He also received a certificate for Excellence in Reviewing (2014) from the *Journal of Infection and Public Health* (Elsevier).

Department of Basic Medical Sciences

Dr. Marshalyn McKoy received training in Technology Transfer at National Institutes of Health, USA (May–June, 2015).

Dr. Jacqueline Campbell received Clinical Trials Training conducted by Atlanta Premier Site Management Organization held February 12–13, 2015 at Caribbean School of Medical Sciences, 8 Waterloo Road, Kingston 10, Jamaica.

Dr. Mohammad Kutub Ali received training on Zebrafish Genetic Screening and mutant Selection, Generation of Transgenic Zebrafish through Microinjection of viral gene construct at the single cell stage of fertilized egg and screening of zebrafish water-borne diseases from Indian Institute of Science Education and Research (ISER), Pune, India on 20th June to 14th August, 2015.

Miss Paula McCarthy, Miss Shakika Nugent, Miss Donna Reddie, Miss Mileesa Stewart, Miss Audrey Brown, Mr. Colin Green received training in the Computer Literacy 101 workshop held in April 2015, organized by the Human Resource Division.

Miss Paula McCarthy received training in the Sanitation Practices Workshop on Tuesday, March 10, 2015, which was organized by the Human Resource Division, UWI, Mona.

Mr. Richard Smith and Mr. Jevan Howden audited the Chemical Analysis course provided by the Department of Chemistry summer school programme, June 1 to July 31, 2015.

Ms. Garsha McCalla visited Prof. William Cole's Lab at the University of Calgary, June–August, 2015 to do training in the Western Blotting Technique.

Dr. Sharmella Roopchand-Martin received a scholarship for pursuing a certificate in Biomedical Research Ethics through the Caribbean Research Ethics Education Initiative which is funded by a NIH-Fogarthy grant. The programme began April 2015.

Dr. Natala Burnett attended a plant tissue culture training course SAGARPA/ IICA, Mexico – Caribbean Training Programme: In vitro Clonal Propagation of Tropical Plants. June, 2015 at The University of

the West Indies, St. Augustine Campus.

Dr. Jean-Pierre Louboutin has been doing collaborative work with Gene Therapy Program, University of Pennsylvania, Philadelphia, USA – Mid December 2014-Mid January 2015 and Mid July-Mid August 2015, Weekly Lab Meetings by teleconference as well as the Department of Pharmacology, College of Medicine, Drexel University, Philadelphia, USA – Mid December 2014-Mid January 2015 and Mid July-Mid August 2015.

Ms. Sonja Williams obtained a Doctor of Physical Therapy degree (DPT) from Nova Southeastern University in May 2015.

PAPERS/POSTERS PRESENTED AT SCIENTIFIC MEETINGS

- Alexander-Lindo, L R, Daley-Beckford, D, Yee, T, and Reese, P. Oral Hypoglycemic and Hypotensive Agents from *Eucalyptus camaldulensis* (Myrtaceae). The Eight International Society for the Development of Natural Products Symposium, Shanghai, China, October 10–11, 2014.
- Alexander-Lindo, Lisa, Daley-Beckford, Denise, Yee, Trevor and Reese, Paul (2014). Hypoglycemic and Hypotensive Compounds Isolated from *Eucalyptus camaldulensis* (Myrtaceae). Society for Scientific Advancement (SoSA) 3rd Annual Conference, Mona Visitors Lodge, Mona Campus, November 21, 2014.
- Ali, M. K. (2014). Alcohol overshadows but not eliminates nicotine effect in alcohol-nicotine co-treated zebrafish. UWI Faculty of Medical Sciences 23rd Annual Research Conference, Kingston, Jamaica, November 5–7, 2014.
- Barrett-Brown, P. and Ragoobirsingh, D. (2014). Evidenced Based Patients' Health Outcomes: A Focus on People with Diabetes in Western Jamaica. Ministry of Health Research Conference, November 27–28, 2014, Jamaica Conference Centre Kingston, Jamaica.
- Blair, T, Thomas, E, Singh, P. (2014). Investigation of the effect of *Cassia occidentalis* (dandelion) extracts on diuresis. *West Indian Medical Journal* Nov 2014 63(4):43 (P-17).

- Brown, P D (2014). Getting to zero: Hospital acquired infections and Ethics. Bioethics Society of the English-speaking Caribbean Workshop and Forum, Kingston, Jamaica. September 12–13, 2014. (Invited speaker)
- Brown, P D (2015). Tackling AMR at country level: good practice in the use of antimicrobials for animal health. Wilton Park meeting on Antimicrobial resistance in humans and animals in low and middle income countries: How can knowledge and action be strengthened at national level? Steyning, West Sussex, UK, March 13–15, 2015. (Invited speaker).
- Cameron, C, Jacob, AS, Thomas, EA and Levy, AS. Preliminary Investigation of the Anti-asthmatic Properties of the Aqueous Extract of *Justicia pectoralis* (Fresh Cut). *West Indian Medical Journal* 2014; 63 (Suppl 4), 38, Abstract P-3.
- Davis, R and Brown, P D (2014). Fitness cost and virulence potential of *Pseudomonas aeruginosa* from respiratory origin. UWI Faculty of Medical Sciences 23rd Annual Research Conference, Kingston, Jamaica, November 5–7, 2014.
- Foster, S, Alexander-Lindo, R, Omoruyi, F, Bustamante, J and Dilworth, L. The Effects of Inositol and Inositol Hexakisphosphate (IP6) Combination on Blood Glucose Concentration and Lipid Metabolism in Type 2 Diabetes Mellitus Sprague-Dawley Rats University Diabetes Outreach Programme (UDOP) 21st International Conference New Developments in Diabetes & Kidney Disease. March 26–28, 2015. **Prize for best poster.**
- Golding, C, Dietrich, D, James, K, and McKoy, M. (2014). Ocular conditions and co-morbid chronic diseases at an ophthalmology clinic in St Andrew, Jamaica. Presented at Faculty of Medical Sciences 23rd Annual Research Conference held November 2014 at U.W.I., Mona, Kingston, Jamaica. In: *West Indian Med J* 2014; 63 (Suppl. 4): 56(P - 49).
- Gordon, Carron (2015). Oral presentation at the Caribbean Neurological Society Conference held at Montego Bay Convention Center in January 2015.

- Knight, K, Thomas, P, McKoy, M. (2014). Investigation of the effects of *Moringa oleifera* seeds on serum cholesterol concentration in rats. Presented at Faculty of Medical Sciences 23rd Annual Research Conference held November 2014 at UWI, Mona, Kingston, Jamaica. In: *West Indian Medical Journal* 2014; 63 (Suppl. 4): 55 (P-46).
- Marshall, D. and Brown, S. (2015). The characterization of *Bacillus thuringiensis* from Jamaican soil. The 10th Faculty of science and Technology Conference. June 9–11, 2015.
- Mason, T, Verley, M, Gossell-Williams, M, Thorbourne, A, Walcott-Mitchell, A, Hoe, K, Lee, M. (2014). The evaluation of the changes in serum creatinine associated with intravenous administration of gentamicin. *West Indian Medical Journal* 2014; 63 (Suppl 4), 41, Abstract P-11.
- Moodie-Henry, B, Singh, P, Reese, P, Facey, P. (2015). A new prenylated, A-polar compound (AGSO7) mediates vasoconstriction through Alpha-1 receptors, and inhibited Norepinephrine induced contractions on Thoracic Aortic Rings. *FASEB J* 2015, 29:783.10 (Abstract)
- Morris, Michelle, Gossell-Williams, Maxine and Nwokocha, Chukwuemeka (2015). Serotonin 5-HT_{2C} Receptor of the Rat Detrusor Muscle: Evaluation of the Atypical Antipsychotics Olanzapine and Ziprasidone on the Isolated Rat Detrusor Muscle. *FASEB J* 2015; 29, 1023.5.
- Nelson, G., McNaught-Mitchell, M., Roopchand-Martin, S., Gordon, C. (2014). The Effects of an Aerobic Exercise Programme Using Video-gaming on the Fitness Level of Cardiac Patients. Annual Conference European Society of Cardiology, Barcelona, Spain.
- Procopé, A, Campbell, J, Gossell-Williams, M, Elliott, V. (2014). An investigation into the association of age, gender, ethnicity, body mass index and concomitant medication on international normalized ratio levels in person on warfarin therapy. *West Indian Medical Journal* 2014; 63 (Suppl 4), 42, Abstract P-15

- Ragoobirsingh, D. (2014). Obesity: A Caribbean Dilemma. The Seventh Annual Bernard A. Sorhaindo Memorial Lecture, August 21, 2014, Fort View Hotel, Roseau, Dominica.
- Ragoobirsingh, D. (2015). Diabetes and Folklore – The Jamaican Experience, Apostolic Church Headquarters, July 19, 2014, Slipe Road, Kingston, Jamaica.
- Reboe M, Levy A, Rathinavelu A, Sivanesan D. Y15 Enhances the Cytotoxic Profile of Cisplatin, Paclitaxel and Vitamin E in Platinum Resistant Ovarian Cancer Cells. *The FASEB Journal* 2015; vol. 29 no. 1 Supplement 785.1
- Reboe M, Waite T, Levy A, Rathinavelu A, Sivanesan D. Y15 and pyridoxal 5' phosphate enhances the cytotoxic profile of cisplatin and paclitaxel in platinum resistant ovarian cancer cells. In: Proceedings of the 106th Annual Meeting of the American Association for Cancer Research 2015; April 18–22; Philadelphia, PA. Philadelphia (PA): AACR.
- Roopchand-Martin, S., McLean, R., Gordon, C., Nelson, G. (2014) Wii Balance Training for Community Dwelling Elderly Persons. *American Congress for Rehabilitation Medicine*.
- Shetty, K, Strayer, D S, Louboutin, J P. (2014). Migration of bone marrow-derived cells to the vasculature of organs is enhanced by moderate intake of alcohol *West Indian Medical Journal*, 63 (Suppl. 4):31, 2014.
- Smith, R and Singh, P. (2014). The effect of a combination of *Allium sativum* and *Solanum lycopersicum* on a precancerous model of colorectal cancer. *West Indian Medical Journal* 2014 63(4):47 (P-27).
- Stephenson, S, Brown, P D (2014). Distribution of uropathogenic virulence factors among antimicrobial-resistant and susceptible *Escherichia coli* implicated in urinary tract infections. UWI Faculty of Medical Sciences 23rd Annual Research Conference, Kingston, Jamaica, November 5–7, 2014.

- Thompson, T and Brown, P D (2014). Lack of association of quorum sensing genes with pathogenicity in *Staphylococcus aureus* using a *Caenorhabditis elegans* model. UWI Faculty of Medical Sciences 23rd Annual Research Conference, Kingston, Jamaica, November 5–7, 2014.
- Waite T, Levy AS, et al. Saquinavir enhances the cytotoxic profile of cisplatin in platinum resistant ovarian cancer cells. *West Indian Medical Journal* 2014; 63 (Suppl 4): 56
- Waite T, Reboe M, Levy A, Rathinavelu A, Sivanesan D (2015). A comparative efficacy study of SAQUINAVIR in combination with cisplatin or paclitaxel in platinum resistant ovarian cancer cell line. In: Proceedings of the 106th Annual Meeting of the American Association for Cancer Research 2015; Apr 18–22; Philadelphia, PA. Philadelphia (PA): AACR; 2015.
- Waite T, Reboe M, Levy A, Rathinavelu A, Sivanesan D. Vitamin B6 and focal adhesion kinase inhibitor Y15 enhances the cytotoxic effects of cisplatin + paclitaxel in platinum resistant ovarian cancer cells. *West Indian Medical Journal* 2014 63 (Suppl 4): 59
- Young, L., Smith, B, and Webber-Waugh, A (2014). Supplementation with virgin coconut oil improves cognition in ageing female rats. Poster (P-6) presented at the 23rd Annual Research Conference and Workshop on Evidence-Based Practice – Bridging the Gap Between the Bench, Bed and Beyond, November 2–7, 2014.
- Knight, K, Thomas, P, McKoy, M. *Moringa oleifera* seeds increase serum cholesterol concentration in rats. Presented at 60th Annual CARPHA Health Research Conference held June 25–27, 2015 at St. George’s University, Grenada.
- Davis, R and Brown, P. D. (2014). Fitness cost and virulence potential of *Pseudomonas aeruginosa* from respiratory origin. UWI Faculty of Medical Sciences 23rd Annual Research Conference, Kingston, Jamaica, November 5–7, 2014. *West Indian Medical Journal*. 63 (Suppl. 4): 51 (Abstract).
- Bowers, A, Duncan, W, Pepple, D, Knight-Madden, J (2014). Red

blood cell deformability is reduced in homozygous sickle cell disease patients with chronic leg ulcers. *West Indian Medical Journal* 63 (Suppl 4): 36.

- Laws, D, Strayer, D S, Louboutin, J P (2014). Bone marrow-derived cells participate in neurogenesis in the adult brain. *West Indian Medical Journal*, 63 (Suppl. 4):52, 2014.
- McCalla, Garsha (2014). Ethical issues in animal research. UWI Ethics Symposium. Grey matters in clinical ethics: Managing risks in health care practice and research. Faculty of Medical Sciences Teaching and Research Complex, University of the West Indies, Mona, Kingston, November 2, 2014.
- Stephenson, S and Brown, P. D. (2014). Distribution of uropathogenic virulence factors among antimicrobial-resistant and susceptible *Escherichia coli* implicated in urinary tract infections. UWI Faculty of Medical Sciences 23rd Annual Research Conference, Kingston, Jamaica, November 5–7, 2014. *West Indian Medical Journal*. 63 (Suppl. 4): 30 (Abstract).
- Thompson, T and Brown, P. D. (2014). Lack of association of quorum sensing genes with pathogenicity in *Staphylococcus aureus* using a *Caenorhabditis elegans* model. UWI Faculty of Medical Sciences 23rd Annual Research Conference, Kingston, Jamaica, November 5–7, 2014. *West Indian Medical Journal*. 63 (Suppl.4): 31 (Abstract)

CONFERENCES ATTENDED

- Dr. Paul Brown attended the 23rd annual FMS Research Conference and Workshop on Evidence-based practice – Bridging the Gap between the Bench, Bed and Beyond held November 2–7, 2014 (Acted as Chair for the Conference).
- Dr. Paul Brown attended the American Society for Microbiology General Meeting in New Orleans, Louisiana, USA, held May 30–June 2, 2015

- Dr. Lauriann Young-Martin attended the Research Methods Workshop for Academics covering New Methods of Analysis and Converting Research to Publications, held on July 14, 2014 and organized by the School of Graduate Studies & Research, UWI, Mona.
- Dr. Lauriann Young-Martin attended the 23rd annual FMS Research Conference and Workshop on Evidence-based practice – Bridging the Gap between the Bench, Bed and Beyond held November 2–7, 2014.
- Dr. Lauriann Young-Martin attended the Research Methods Workshop for Academics covering New Methods of Analysis and Converting Research to Publications, held on July 14, 2015 and organized by the Mona School of Graduate Studies & Research, Mona Office of Research & Innovation and Open Campus.
- Drs. Sophie Turfus and Rachael Irving attended the “Innovation and Implementation in Anti-doping” Partnership for Clean Competition (PCC) Conference. (21st-22nd April 2015, Major League Baseball Conference Center, New York, USA).
- Dr. Sharmella Roopchand-Martin presented at Guyanese Physiotherapy Association Dinner. Topic – Introduction to Vestibular Rehabilitation 2014 (October).
- Dr. Sharmella Roopchand-Martin was invited to present to the rehabilitation staff in Guyana on Video gaming applications in rehabilitation 2014 (December).
- Mrs. Carole Lindsay presented at the 3rd Biennial National Conference on Science & Technology Scientific Research Council. Topic – Chemical Profiling of the Jamaican Marijuana (November 2014)
- Mrs. Carole Lindsay attended the 67th Annual Scientific Meeting of the American Academy of Forensic Sciences. Orlando Florida February 16–21, 2015.
- Dr. Martin attended the American College of Rehabilitation Medicine in Toronto, Canada in October where she did a poster presentation.
- Ms. Nelson attended the European Society of Cardiology Conference held in Barcelona, August 2014, where she did a poster presentation

- Dr Pearson visited the University of Nairobi and met the Vice-Chancellor, Professor Peter M.F. Mbithi, Deputy Vice-Chancellor of Academic Affairs, Professor Henry W. Mutoro, Dr. Geoffrey G.M. Maloiy, Professor of Animal Physiology, and the staff of the Department of Biochemistry. Previous links with the University of Nairobi include a former member of academic staff of Biochemistry at Mona who had moved from Nairobi: Dr. Bupinder “Bupi” Singh Bharaj (now in Toronto) and Dr. Michael Rowe who was mentored by Professor Maloiy while researching animal gait physiology in Kenya. It was agreed that a Memorandum of Understanding would be potentially acceptable to bind the two universities together.
- Young-Martin, L. (2014). Drug Use in Jamaica: Addiction, Drug Craving and Treatment was presented at the Latin American Research Network in Drug Addiction (LARNEDA) III International Symposium on Motivated Behaviors and Neuroplasticity: Role in Addiction, held on November 20–22, 2014 at El Capitolio, San Juan, Puerto Rico.

BOOKS AND BOOK CHAPTERS

- Cawich SO, Gardner, Naraynsingh V, Dan D, Shetty R. Book Chapter: Surgical Anatomy of the Thyroid and Parathyroid Glands: A Review of Anatomic Variants and Clinical Correlates. Published in *Thyroidectomy*. Chapter 6; Pages 91-119. Editor: K Rodolfo. Nova Science Publishers; 2014. ISBN: 978-1-63321-440-8.
- Dennie, D., Louboutin, J.P., Strayer, D.S.: Migration and Differentiation of Bone Marrow Progenitor Cells in the Adult Brain. In A. Costa, E. Villalba (Eds.). *Horizons in Neuroscience Research*, vol. 22. Nova Science Publishers, Hauppauge, NY, 2015.
- Edwards, T.N., Gardner M. T., Louboutin, J.P.: Neuroanatomy of Risk-Taking. In C.E. Nathanson (Ed.). *Psychology of Risk Taking: New Research*. Nova Science Publishers, Hauppauge, NY, 2015. Hardcover. pp. 91–138.
- Edwards, T.N., Louboutin, J.P.: Role of Microglia in Neurological

Manifestations of HIV-1 and HTLV-1. In E.R. Giffard (Ed.). *Microglia: Physiology, Regulation and Health Implications*. pp. 217-240. Nova Science Publishers, Hauppauge, NY, 2015. Hardcover and ebook. pp. 217-240.

- Louboutin, J.P. and Strayer, D.S. (2015). Modulation of microglial reaction in brain injury by novel therapeutic tools based on gene therapy approaches. In Z. Liang and B. Zhang (Eds.): *Medicine Research Summaries*. Vol.7 . Nova Science Publishers, Hauppauge, NY, 2015. Hardcover and ebook. Chapter 102.
- Louboutin, J.P. (2015). Immunocytochemical assessment of blood-brain barrier structure, function and damage. In Merighi, A., Lossi, L. (Eds): *Immunocytochemistry and related techniques. Neuromethods Series* (Walz, W., Ed.). Humana Press, Springer Verlag, New York, NY,2015. Chapter 13. pp. 225–253.
- Marusich, E., Louboutin, J.P., Strayer, D.S.: Expression of GluR6, a Kainate Receptor, in Human Lymphocytes. In E. Leone (Ed.): *Kainic acid: neurotoxic properties, biological sources and clinical applications*. Nova Science Publishers, Hauppauge, NY, 2014. Hardcover and ebook. pp. 29-38.
- Ragoobirsingh, D. WHO Guideline Development Group Nutrition Action 2013-14 et al., *WHO Guideline: Delayed umbilical cord clamping improved maternal and infant health and nutrition outcomes*. WHO Press, Geneva: World Health Organization, 2014.
- Ragoobirsingh, D. WHO Guideline Development Group Nutrition Action 2013-14 et al, *WHO Guideline: Fortification of food-grade salt with iodine for the prevention and control of iodine deficiency disorders*. WHO Press, Geneva: World Health Organization, 2014.
- Cawich SO, Gardner, Naraynsingh V, Dan D, Shetty, R. Book Chapter: Surgical Anatomy of the Thyroid and Parathyroid Glands: A Review of Anatomic Variants and Clinical Correlates. Published in *Thyroidectomy*. Chapter 6; Pages 91-119. Editor: K Rodolfo. Nova Science Publishers; 2014. ISBN: 978-1-63321-440-8.
- Davidson, T, Boyne, M, Ragoobirsingh, D et al. Guidelines for the Management of Diabetes -Ministry of Health, Jamaica, (In Press.)

- Louboutin, J.P., Reyes, B.A.S., Agrawal, L., van Bockstaele, E.J., Strayer, D.S.: Assessment of Apoptosis and Neuronal Loss in Animal Models of HIV-1-Associated Neurocognitive Disorder. In E.J. van Bockstaele (Ed.). *Transmission Electron Microscopy Methods for Understanding the Brain*. Humana Press, Springer Verlag, New York, NY, 2015 (In press).
- Morris, A, Ramdath, D, Ragoobirsingh, D et al. *Recommended Dietary Allowances for the Population in the English Speaking Caribbean*, (In Press.)

TECHNICAL REPORTS

- Young-Martin, L.E. et al. (2014) Report on a Full Accreditation Survey of the American University of Antigua College of Medicine (AUA) prepared for CAAM-HP, April 6–11, 2014, p. 1–85.
- Irving, R. (2014). Anti-doping Changing Dynamics. Report on the 2014 changes in the World Anti-doping code (WAD-C) and the impact on anti-doping regulatory agencies in the Caribbean prepared for UWI Sport and Education Centre and the Spectator Magazine, St Augustine, Trinidad.

ARTICLES IN PEER-REVIEWED JOURNALS

- Amarakoon, I I, Ramkissoon, A, Pierre, R, Eysaguirre, L M, Carr, J K, Blattner, W A, Roye, M E. HIV-1 Antiretroviral Drug Resistance in Pregnant Women in Jamaica: A Preliminary Report. *West Indian Medical Journal*. August, 2014. DOI: 10.7727/wimj.2014.016.
- Barrett, S, Huffman, F, Johnson, P, Campa, A, Magnus, M and Ragoobirsingh, D (2014). Physical Activity and Metabolic Risk Factors among Jamaican Adolescents. *Austin Journal of Nutrition and Food Sciences* S8:003. doi:10.4172/2155-9600. S8-003, 1–7.
- Bell, P., Hinderer, C., Louboutin, JP., Yu, H., Grant, R., Bote, E., Wilson, JM.: Motor neuron transduction after intracisternal delivery of AAV9 in a Cynomolgus macaque. *Human Gene Therapy Methods*; 26: 43-44, 2015.

- Bourne P, Hudson Davis A, Sharpe-Pryce C, Francis C, Solan I, Quarrie C, Pabarue M, Nelson S, Irving R. The effects of homicide and economics on human and social biology. A mental health challenge for a society. *Intern. J of Emergency Mental Health and Human resilience* 2015; 17(2): 495–501.
- Bourne, P, Hudson-Davis, Sharpe-Pryce C, Lawes D, Francis C, Solan I, Irving R, Watson-Coleman O, Nelson S. The Psychology of Homicide, Divorce and Issues in Marriages: Mental Health and Family Life Matters. *Intern. J of Emergency Mental Health and Human resilience* 2015; 17(2):389-405.
- Burnett, A, McKoy, M L, Singh, P (2014). Investigation of the blood-glucose lowering potential of the Jamaican Momordica. *West Indian Medical Journal* DOI: 10.7727/wimj.2014.093 [EPub: 29 Apr, 2015]
- Cameron C, Jacob AS, Thomas EA, Levy AS. Preliminary Investigations of the Anti-asthmatic Properties of the Aqueous Extract of *Justicia pectoralis* (Fresh cut). *West Indian Medical Journal* DOI: 10.7727/wimj.2014.149. [Epub 04 May, 2015]
- Campbell JE, Gossell-Williams M, Lee MG. 2014. A Review of Pharmacovigilance. *West Indian Medical Journal* 63 (7): 771-4. DOI: 10.7727/wimj.2013.251.
- Cawich SO, Gardner MT, Shetty R, Naraynsingh V. Venous drainage Patterns of the Liver: Is it Different in the Caribbean Population? *Caribbean Medical journal.* 2015;S1:32
- Di Rago M, Saar E, Rodda LN, Turfus S, Kotsos A, Gerostamoulos D and Drummer OH. 2014. Fast targeted screening of 132 acidic and neutral drugs and poisons in whole blood using LC-MS/MS. *Forensic Science International* 243 (C): 35–43
- Edwards, T.N., Louboutin, J.P. (2014). Hematopoietic stem cell therapy and novel approaches for mucopolysaccharidoses. *Journal of Blood Disorders* 1:6, 2014.
- Edwards, T.N., Louboutin, J.P. (2014). Pathophysiology of Tropical Spastic Paraparesis/HTLV-1-Associated Myelopathy: role of animal

models. *International Journal of Neural Science and Brain Research*; 1:3–5, 2014.

- Facey A, Dilworth L, Irving R. Adipocytic contribution to lactate production in male athletes of West African descent. *New Studies in Athletics* 2014; 29(3): 57–64.
- Guermo E, Cawich SO, Gardner MT, Shetty R, Naraysingh V. Hepatic Surface Anatomy: Variations in the Caribbean Population. *Caribbean Medical journal*. 2015;S1:2-23.
- Hinderer, C., Bell, P., Gurda, B.L., Wang, Q., Louboutin, J.P., Zhu, Y., Bagel, J., O'Donnell, P., Sikora, T., Ruane, T., Wang, P., Haskins, M.E., Wilson, J.M.: Liver-directed gene therapy corrects cardiovascular lesions in feline mucopolysaccharidosis type I. *Proceedings of Nat. Academy of Sciences U S A* 111:14894-14899, 2014. doi: 10.1073/pnas. 1413645111.
- Hinderer, C., Bell, P., Gurda, B.L., Wang, Q., Louboutin, J.P., Bagel, J., O'Donnell, P., Sikora, T., Ruane, T., Wang, P., Haskins, M.E., Wilson, J.M.: Intrathecal gene therapy corrects CNS pathology in a feline model of mucopolysaccharidosis I. *Molecular Therapy*, 2014. doi:10.1038/mt.2014.135.
- Hinderer, C., Bell, P., Louboutin, J.P., Zhu, Y., Yu, H., Lin, G., Choa, R., Gurda, B., Bagel, J., O'Donnell, P., Sikora, T., Ruane, T., Wang, P., Tarantal, A., Casal, M., Haskins, M., Wilson, J.M.: Neonatal systemic AAV induces tolerance to CNS gene therapy in MPS I dogs and nonhuman primates. *Molecular Therapy*; 23:1298-307, 2015.
- Hinderer, C., Bell, P., Vite, C., Louboutin, J.P., Grant, R., Bote, E., Yu, H., Pukenas, B., Hurst, R., Wilson, J.M.: Widespread and safe gene transfer in the Central Nervous System of Cynomolgus Macaques following delivery of AAV9 into the cisterna magna. *Molecular Therapy- Methods and Clinical Development* 1: 14051, 2014. doi:10.1038/mtm.2014.51.
- Irving R. HbA1c levels in families of ethnic minorities with early onset type 2 diabetes: Glycemic Control and Ethnicity. *British*

Medical journal of Medicine and Medical research: DOI.10.9734/BJMMR2015/18044.

- Jabbari, S, Ali M.K., Emadi S (2014) Electrophoretic analysis of phospho and non-phospho protein mixtures extracted from zebrafish whole brain samples by immobilized metal affinity electrophoresis. *Journal Iranian Chemical Society*. 11:1165–1172
- Langman, V., Ellifrit, N., Sime, D., Rowe, M. and Hogue, A. (2015). Testing refrigeration trucks for the emergency evacuation of companion animals. *Journal of Applied Animal Welfare Science*. DOI: 10.1080/10888705.2015.1042153
- Lester, D.A, Richard, A.A., Younger-Coleman, N.O., Pepple, D.J. (2014). Cilostazol and blood viscoelasticity in homozygous sickle cell disease. *British Journal of Biomedical Sciences*. 71(4): 172–175. Impact factor 0.92
- Louboutin, J.P. HTLV-1-Associated Myelopathy/Tropical Spastic Paraparesis: clinical presentation and pathophysiology. *World Journal of Neurology*, 5:68-73, 2015.
- Louboutin, J.P., Agrawal, L., Reyes, B.A.S., van Bockstaele, E.J., Strayer, D.S.: Oxidative stress is associated with neuroinflammation in animal models of HIV-1 Tat neurotoxicity. *Antioxidants* 3: 414–438, 2014. doi:10.3390/antiox3020414.
- Louboutin, J.P., Strayer, D.S: Role of oxidative stress in HIV-1-Associated Neurocognitive Disorder and protection by gene delivery of antioxidant enzymes. *Antioxidants* 3:770–797, 2014. doi:10.3390/antiox3040770.
- McCalla, G, Parshad, O, Brown, P D, Gardner, M T (2015). Beta-cell regenerating potential of *Azadirachta indica* (Neem) extract in diabetic rats. *West Indian Med J*. DOI: <http://dx.doi.org/10.7727/wimj.2014.224>.
- McKoy, M, Allen, K, Richards, A & Pepple, D: The effect of cilostazol on the p50 of the oxygen-hemoglobin dissociation curve. *International Journal of Angiology* 2015; 24: 67–70.

- McKoy, M, Grant, K, Asemota, H, Simon, O & Omoruyi, F. Renal and hepatic function in hypercholesterolemic rats fed Jamaican bitter yam (*Dioscorea polygonoides*). *Journal of Dietary Supplements*, 2015, 12(2):173–83.
- McKoy, M, Thomas, P, Asemota, H, Omoruyi, F and Simon, O. Effects of Jamaican bitter yam (*Dioscorea polygonoides*) and diosgenin on blood and fecal cholesterol in rats. *Journal of Medicinal Food* 2014; 17(11): 1183-1188.
- McKoy, M., Allen, K., Richards, A., Pepple, D. (2015). The effect of cilostazol on the p50 of the oxygen-hemoglobin dissociation curve. *International Journal of Angiology*. 24: 67–70.
- Moses, K, Pepple, D and Singh, P (2015). The protective effect of epigallocatechin-3-gallate on paraquat induced haemolysis. *West Indian Medical Journal* DOI: 10.7727/wimj.2014.067 e-Published: 18 May, 2015.
- Pepple, D.J. (2014). Comparison of outcome of students' performance using the standard setting method with the absolute grading method in preclinical examination. *Nigerian Journal of Physiological Sciences* 29: 103–106.
- Richards, P.D., Richards, A.A., McKoy, M.G., Pepple, D.J. (2014). The in vitro effects of sulfadoxine/pyrimethamine and artemether/lumefantrine on the viscoelasticity of erythrocyte membrane of healthy females. *Clinical Hemorheology and Microcirculation*. 58: 507–514.
- Roopchand-Martin, S., Creary-Yan, S. (2014). Level of caregiver burden in Jamaican stroke caregivers and relationship between selected socio-demographic variables. *West Indian Medical Journal*. 63(6) October.
- Roopchand-Martin, S., McLean, R., Gordon, C., Nelson, G. (2015). Balance training with Wii Fit plus for community-dwelling persons sixty years and older. *Games for Health*, 4(3): 247–252. doi:10.1089/g4h.2014.0070.

- Roopchand-Martin, S., Nelson, G., Gordon, C., Yee Sing, S. (2015). A pilot study using the XBOX Kinect for exercise conditioning in sedentary female university students. *Technology and Healthcare*. February 6, DOI: 10.3233/THC-150899 Epub ahead of print.
- Thomas, P, Gossell-Williams, M, Sewell, C A, Abel, W D, McGrowder, D, Martin, J (2015). The Impact of Cannabis Use on the Dosage of Antipsychotic Drugs in Patients Admitted on the Psychiatric Ward at the University Hospital of the West Indies. *West Indian Medical Journal Open* 2 (1): 23–27. DOI: 10.7727/wijmopen.2014.259.
- Thompson, T, Brown, P D (2014). Comparison of antimicrobial resistance, virulence gene profiles and pathogenicity of methicillin resistant and methicillin susceptible *Staphylococcus aureus* using a *Caenorhabditis elegans* infection model. *Pathog Glob Health* 108(6): 283–291.
- Xuereb, G C, Johnson, P, Ragoobirsingh, D and Morrison, E (2014). Impact of Programme to Improve Quality of Diabetes Care in the Caribbean. *Journal of Research in Diabetes* Volume 2014 (2014), Article ID 149397, DOI: 10.5171/2014, 1–13.
- Young, L., Smith, B, and Webber-Waugh, A (2014). Supplementation with virgin coconut oil improves cognition in ageing female rats. *West Indian Medical Journal* 63(Suppl. 4): 39

INCOME GENERATION/FUNDING

Research Grants:

Dr. Paul Brown

- Campus Research and Publication Fund (CRPF), UWI, Mona
June 2015

Role: PI (Awarded to Terissa Thompson) Virulence attenuation in *Staphylococcus aureus* (MRSA) using siRNAs.(Travel grant for research visit to University of Waterloo)

US\$2000 + J\$81000 for airfare

- Principal's Special New Initiative Award, UWI, Mona July 2015
Role: PI Investigation of Epigenetic Regulation of Antimicrobial Resistance and Virulence Expression in uropathogenic *Escherichia coli* – JM\$500,000 (US\$4348)
- CRPF, UWI, Mona May 2015
Role: PI (Awarded to Tricia Fraser) Environmental regulation of virulence-associated genes in pathogenic *Leptospira* – US\$2862
- CRPF, UWI, Mona, January 2015
Role: PI (Awarded to Garth Dawkins) Microbial Pathogen Risk Analysis in the Jamaican meat and poultry industries – JM\$175,000 (US\$1522)

Dr. Lisa Lindo

- The University of the West Indies Research Fellowship
Research and Development of Hypoglycaemic and Hypotensive Nutraceuticals and Diabetic Condiments from Compounds Isolated from *Eucalyptus camaldulensis*. – J\$ 2.6 M (approx. US \$23,000.00)
- Postgraduate Research Fund:
The Effects of Inositol, Inositol Hexakisphosphate (IP6) and its Combination on Type 2 Diabetes Mellitus Sprague-Dawley Rats. – US\$6,000.00
- Investigating the Effects of *Phaseolus vulgaris* L (String Beans Pod) on Blood Glucose Concentration in Normoglycaemic and Streptozotocin-Induced Type 2 Diabetic Sprague-Dawley Rats. – US\$1,668.00
- Investigating the Effects of *Ruellia tuberosa* (Duppy Gun) on the Blood Glucose Concentration and Haemodynamic parameters in Normoglycaemic and Streptozotocin-Induced Diabetic (Type 2) Sprague-Dawley Rats – US\$3,000.00

Dr. Lauriann Young-Martin

- Awarded a US\$1200 grant through the International Brain Research Organization (IBRO) & the Women in World Neuroscience (WWN) to attend the 22nd Puerto Rico Neuroscience Conference held on December 7, 2013 at the Pontificia Católica.
- Received an IBRO grant of US\$1200 to attend and present a paper at the III International Symposium on Motivated Behaviors and Neuroplasticity: Role in Addiction, held on November 20–22, 2014 at El Capitolio, San Juan, Puerto Rico.
- Received a Principal's Special Projects grant of \$664,234 in May 2015 to purchase chemicals and equipment for her graduate student, Ms. Monique McLeary, to initiate her graduate MPhil/PhD research project.

Dr. Sherline Brown

- Awarded a grant of \$JA 1.5 million from the Principal's UWI/ NIF. Antibiotic Resistance-Mediated Isolation of Scaffold-Specific Antimicrobial Producers in Jamaican Soil.

Dr. Jean-Pierre Louboutin

- The University of the West Indies: New Initiative Program 2014: “Oxidative stress and inflammatory processes in HTLV-1-associated myelopathy and related myositis: clinicopathological study in Jamaica, development of animal models and therapeutic approaches”.
J\$1,500,000.

Physical Therapy Clinic

- Net income August 1 2014 to March 2015 = \$1,455,894.74

Miss Peta-Gaye Thomas

- US\$6,000.00 from the Principal to pursue training in Sleep research at Langone Sleep Centre, New York University.

PUBLIC SERVICE

Dr. Andrew G. M. Pearson

- Continues to serve as Chairman, International Standards Organisation Technical Committee 93 (Starch & its derivatives).

Professor Wayne McLaughlin

- Board member, Coconut Industry Board
- Board member, Seprod Limited

Dr. C. R. Nwokocha

- Member of the Organizing Committee of the FMSARC

Dr. Paul Brown

- Ambassador to Jamaica, American Society for Microbiology (ASM).
- President, WIGUT (Jamaica).
- Adjudicator, American International School of Kingston (AISK) Middle School Science Fair.5
- Member, Research Subcommittee, International Society of Infectious Diseases. Terms: Oversight of ISID's research grants & awards and fellowship programs.
- Member, American Society for Microbiology (ASM) review committee for the Makela Cassell Travel Award sponsored by FEMS.
- Member, ASM Membership Board Task Force. Terms: Review of tiered membership system.
- 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.
- External Examiner, Microbiology programme at University of Technology.

Dr. Kerith Golden

- Vice President, Stock Farm Road Citizens Association, Golden Spring, St Andrew.
- Member of the Board (Vice President) for Jamaica Association for Children with Learning Disabilities. 7 Leinster Road, Kingston 5.

Dr. Rachael Irving

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

Prof. Dalip Ragoobirsingh

- Diabetes Association of Jamaica (DAJ) – Consultant Diabetes Educator
- The University Diabetes Outreach Programme (UDOP) – Director Research
- University Hospital of the West Indies (UHWI) – Consultant Diabetes Educator
- Ministry of Health, Jamaica (MOH) – Panel member on Technical Advisory Committee, The Chronic Diseases and Injuries Unit, updating the National Guidelines for the management of diabetes.
- 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.
- World Health Organization Guideline Development Group

Dr. Lisa Lindo

- Fulbright Alumni Association
- Chair: American Friends of Jamaica (AFJ) / Sue Cobb Lecture Series
- Member of Society for Scientific Advancement (SoSA)
- Member of the Planning Committee of the 10th Faculty Conference (2015), Faculty of Science & Technology, UWI, Mona. Theme: Science Technology Engineering Mathematics: The Engine of Growth

Department of Basic Medical Sciences

- Member of the Planning Committee of Faculty of Medical Sciences Annual Research Conference (2015)
- UWI, Mona Scholarship Interviewing Panel, Chair (2006- present), Office of Student Financing

Dr. Lauriann Young-Martin

- Lector and Member of the Liturgical Committee of Holy Cross Roman Catholic Church
- Member of the Fund-raising Committee of Holy Cross Church
- Member to the Women in World Neuroscience (WWN)
- Chaired a session at the 23rd Annual FMS Research conference
- Invited guest on News Talk 93 hosted by Prof. Carolyn Cooper to discuss the role of the UWI Medicinal Cannabis Research group

Dr. Icolyn Amarakoon

- Chair, Technical Service Advisory Committee, Basic Medical Sciences
- Member, Working Group Hazardous Waste Management Project
- Mentor, Future Leaders of Jamaica
- Member, Society for Scientific Advancement (SoSA)
- Member, Fulbright Alumni Association

Dr. Sharmella Roopchand-Martin

- Member: Jamaica Physiotherapy Association
- One day outreach clinic for children with neurological disorders done in collaboration with students from Nova Southeastern University.

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)

Dr Audrey Jacob

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

Dr. Carron Gordon

- Member: Jamaica Physiotherapy Association
- FMS Representative on the Council for Professions Supplementary to Medicine, Ministry of Health, Jamaica

Ms. Gail Nelson

- Member: Jamaica Association of Sports Medicine
- Members: Jamaica Physiotherapy Association
- Associate Member: Caribbean Cardiac Society

Dr. Sonja Williams

- 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

UNDERGRADUATE STUDENTS REGISTRATION

DDS

Year 1 = 25

Year 2 = 12

Year 3 = 13

MBBS

Year 1 = 334

Year 2 = 365

Year 3 = 322

BB Med Sci.

Year 1 = 56

Year 2 = 69

Year 3 = 60

Physical Therapy

Year 1 = 75

Year 2 = 60

Year 3 = 65

36 students graduated in October 2014

FST (Registrations in BMS courses)

Year 1 = 1095

Year 2 = 305

Year 3 = 407

POST GRADUATE STUDENTS REGISTRATION

Taught Masters

MSc Forensic Science = 18

MSc Applied Pharmacology = 6

MSc Physical Therapy = 3 students enrolled for 2014-2015 and 3 graduated in October 2014

Research

MPhil = 27

PhD = 9

POSTGRADUATE DEGREES AWARDED

- Rochell Davis, MPhil (Molecular Biology), UWI, Mona, 2014. Thesis title: Antibiotic resistance in respiratory pathogens and associated fitness burden.
- Nicolía Nelson, MPhil (Biochemistry). The isolation and identification of the active Hypoglycaemic Principle in *Sechiumedule* (Cho Cho) leaves.
- Monique Roboe, MPhil (Pharmacology). The effects of Vitamins E, B6 and FAK inhibitor Y15 in combination with Paclitaxel and Cisplatin in the treatment of Ovarian cancer cells.

VISITORS TO THE DEPARTMENT

Dr. William Cole, Professor in Physiology and Pharmacology at the University of Calgary, Canada, spent the month of January 2015 as a visiting professor in Physiology to conduct collaborative work with Dr. C. R. Nwokocha. This collaboration has further facilitated Ms. Garsha McCalla, Assistant Lecturer in Physiology, to conduct part of her graduate research work in Professor's Cole's research laboratory at the University of Calgary during the summer.

Dr. Patricia Smith-Garry, the External Examiner, for the Final Professional Examination held in July 2015 visited the department from the University of East London, UK

Staff and students of the physical therapy programme at Nova Southeastern University were hosted for one day.

CONDOLENCES

Dr. Hugh McLean, Senior Lecturer, Pharmacology died on July 18, 2015.

DEPARTMENT OF CHILD AND ADOLESCENT HEALTH



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

REGIONAL AND NATIONAL IMPORTANCE OF CHILD HEALTH

The World Health Organisation's definition of health encompasses more than just the absence of disease and includes physical, social and emotional health and development. The health and well being of a nation and therefore a region, is determined by the health of its children. Internationally, perinatal, infant and under five mortality rates are recognised indicators of national health.

WORK OF THE DEPARTMENT

The Department of Child and Adolescent Health is one of the Departments within the Faculty of Medical Sciences. The main focus of the Department is to improve the health and welfare of families through clinical service, research, intellectual leadership, advisory and community services and training of undergraduate students and postgraduate doctors.

Our clinical services are delivered through two medical wards, a paediatric casualty and a newborn special care unit which incorporates a neonatal intensive care unit. The main subspecialties offered are infectious diseases, development and behavioural paediatrics, cardiology, neonatology, nephrology, neurology, endocrinology and pulmonology. There is also collaboration with other surgical and medical subspecialties.

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. Several members of the Department were involved in health promotion activities such as media presentations both print and electronic. Members also demonstrated intellectual leadership through their involvement with several advisory boards and active participation in community service. The scope of this involvement encompassed early childhood development, mental health, elimination of infectious diseases and parenting and perinatal and infant nutrition.

The need for a cadre of professionals trained in the field of Child and Adolescent Health has led to the Department's continued development of undergraduate and postgraduate programmes. As curriculum development, teaching and learning methods are continuously being revised, both undergraduate and postgraduate programmes in Child and Adolescent Health have been the subject of frequent reviews. The Department currently offers two undergraduate courses as part of the MBBS programme and a postgraduate programme in Paediatrics (Doctor of Medicine in Paediatrics). 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, Epidemiology and Public Health.

There were 280 junior students and 250 senior students who completed the Child and Adolescent Health rotations over the last year. The final MBBS assessment of the Child and Adolescent Health programme is

done together with the Department of Medicine in the November/December examination 2014 and of the 39 candidates who were examined, 9 were unsuccessful, while in May/June 2015, of 257 candidates who were examined, 10% of the candidates were unsuccessful. There were 56 elective students who rotated through Child and Adolescent Health during this period. Forty-six were from UWI; ten were from overseas Universities: UK (6), Canada (2), and Caribbean (2).

There was a total of 51 postgraduate students registered in the DM Paediatric programme of which 36 candidates are in Jamaica and 15 candidates are in the Bahamas. Seven candidates sat DM Part 2 final examination and 7 (100%) were successful while 15 candidates sat the DM Part 1 examinations and all 15 (100%) were successful. Thirteen candidates started the program 1st July 2015 of which 3 were in the Bahamas.

PERINATAL AUDIT, SYMPOSIUM AND CONFERENCES

This year was the fourteenth year of the Perinatal Audit and Symposium. This annual conference was held on the 21st and the 22nd February 2015 and was coordinated by Dr. Blondel Crosdale. 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 “Hot Topics in Perinatology”

The Department held its 6th Biennial Child and Adolescent Health Conference 5th and 6th April 2014. The theme was “Code Red” – Critical Care Issues in Paediatrics. The guest speaker was Dr. Michael Gayle, a consultant paediatric intensivist from the Jackson Memorial Hospital in Florida.

The Department under the guidance of Dr. Melbourne-Chambers organized a Gastroenterology Symposium entitled “Managing Stool Incontinence in Children.” The visiting lecturer from the USA, Dr. Kirk Thame, a previous lecturer in the Department conducted the Symposium.

RESEARCH GRANTS

Bailey K – Principal Investigator

- Source: **Principal New Initiative** Grant \$1, 500,000
Title: A longitudinal study of respiratory morbidity in a Jamaican Birth Cohort
Grant Period: 2014-2015
Funds: J\$1, 500,000

Christie CDC

- Source: **Minister of Health** (July, 2015) and National Health
Title: Elimination of Vertical (Mother-to-child) Transmission of HIV/AIDS and Congenital Syphilis in Jamaica,
Grant Period: 2015 to 2016
Funds: J\$25,000,000
- Source: **UNICEF & UNAIDS**
Title: Elimination of Vertical (Mother-to-child) Transmission of HIV/AIDS and Congenital Syphilis in Jamaica,
Grant Period: 2015
Funds: \$ 4,250 USD

Harrison A – Principal Investigator

- Source: **UNICEF**
Title: Chronic illness in Jamaican Adolescents – A review of asthma, diabetes mellitus, HIV and sickle cell disease
Grant Period: (2014–2015)
Funds: USD 34,950.00

Pierre RB Co-Principal Investigators

Christie CDC.

- Source: 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”,

Grant Period: September 1, 2014 to June 26, 2016

Funds: US\$ 17,086.95 (€ 15,000.00) [Phase 1]

Pottinger A Principal Investigator

- Source: Principal New Initiative Grant \$1, 500,000

Title:

Funds: J\$1, 500,000

Samms-Vaughan – Principal Investigation

- Source: Inter-Americaan 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)

INTERNATIONAL CONSULTANCIES

Christie CDC.

- Inaugural International AIDS Society and Industry High-level Leadership Consultations, Conference on Retroviruses and Opportunistic Infections (CROI), Chairperson – Boston, Mar 3 International AIDS Society Bi-Annual Conference, Chairperson – Melbourne Australia, 2014

PUBLICATIONS

Peer Review Journals

- Joselle Cook, Rochelle Hardie, **Kay Bailey**, Marlene Tapper, Ivan Vickers, Donovan Calder, Kevin Harvey, John F. Lindo Seroprevalence of human toxocarasis, Jamaica. *Tropical Biomedicine*.
- Heidari S, Kort R, Ananworanich J, **Christie CDC**, Chamla D, Cotton MF, Dabis F, Essajee S, Gibb D, Leroy V, Muhe LM, Palumbo P, Tiam A, Sohn AH, Bekker L-G. Mind the Gap: The Case for Strategic Investments in Paediatric HIV Research. *Journal of AIDS*, 2014.
- **Christie CD**, Melbourne-Chambers R. Chikungunya Fever – An Emerging Disease in the Caribbean and Americas. *Pediatric Infectious Diseases*, December 2014.
- **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*. 2015 Jul 2 pii: 0890334415593540. [Epub ahead of print]
- **Harrison A**, Aremit R, Kanbur N. Trainees' experience and perspective: Opportunities and challenges in adolescent health training abroad. Accepted by *International Journal of Adolescent Medicine and Health*, May 2015. 2015 Jun 26. pii: /j/ijamh.ahead-of-print/ijamh-2016-5011/ijamh-2016-5011.xml. doi: 10.1515/ijamh-2016-5011. [Epub ahead of print]
- **Harrison A**, Chambers J, Campbell-Forrester S. Adolescent health in the Caribbean region: Insights from the Jamaican experience. Accepted by *International Journal of Adolescent Medicine and Health*, May 2015. 2015 Jun 26. pii: /j/ijamh.ahead-of-print/ijamh-2016-5018/ijamh-2016-5018.xml. doi: 10.1515/ijamh-2016-5018. [Epub ahead of print]
- **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; S0895-4356(15)00124-9.

- Christie CDC, **Melbourne-Chambers R.** Chikungunya fever: An emerging disease in the Caribbean and Americas. *Infectious Diseases in Children*, December 2014 Amarakoon II, Ramkissoon A, Pierre R, Eysaguirre LM, Carr JK, Blattner WA, Roye ME. HIV-1 Antiretroviral Drug Resistance in Pregnant Women in Jamaica: A Preliminary Report. *West Indian Med J.* 2014 Aug 21;63(6). doi: 10.7727/wimj.2014.016. [Epub ahead of print]
- Ramkissoon AP, Amarakoon II, Hamilton CC, **Pierre RB**, Eysaguirre LM, Carr JK, Blattner W, Roye ME. Analysis of Reverse Transcriptase and Protease Genes of HIV for Antiretroviral Drug Resistance in Treatment Exposed Jamaican Pediatrics. *AIDS Res Hum Retroviruses.* 2015 Jun 30. DOI: 10.1089/AID.2015.0122. [Epub ahead of print]
- **Pottinger AM.** The use of trauma counseling for children with attention-deficit hyperactivity disorder *International Journal for the Advancement of Counselling* 2015; 37(1): 17-27. Gray PB, Reece JA, Coore-Desai C, Dinnall-Johnson T, Pellington S, **Samms-Vaughan M.** Sexuality among fathers of newborns in Jamaica. *BMC Pregnancy Childbirth.* 2015 February 21;15:44.
- Rahbar MH, **Samms-Vaughan M**, Dickerson AS, Hessabi M, Bressler J, Desai CC, Shakespeare-Pellington S, Reece JA, Morgan R, Loveland KA, Grove ML, Boerwinkle E. Concentration of lead, mercury, cadmium, aluminum, arsenic and manganese in umbilical cord blood of Jamaican newborns. *Int J Environ Res Public Health.* 2015 Apr 23;12(5):4481-501.
- Rahbar MH, **Samms-Vaughan M**, Dickerson AS, Loveland KA, Ardjomand-Hessabi M, Bressler J, Shakespeare-Pellington S, Grove ML, Boerwinkle E. Factors associated with blood lead concentrations of children in Jamaica. *J Environ Sci Health A Tox Hazard Subst Environ Eng.* 2015;50(6):529-39.

- 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 Sep;68(9):1002-9.
- Rahbar MH, **Samms-Vaughan M**, Ma J, Bressler J, Loveland KA, Hessabi M, Dickerson AS, Grove ML, Shakespeare-Pellington S, Beecher C, McLaughlin W, Boerwinkle E. Interaction between GSTT1 and GSTP1 allele variants as a risk modulating-factor for autism spectrum disorders. *Res Autism Spectr Disord*. 2015 Apr 1;12:1–9.
- Rahbar MH, **Samms-Vaughan M**, Dickerson AS, Loveland KA, Ardjomand-Hessabi M, Bressler J, Shakespeare-Pellington S, Grove ML, Pearson DA, Boerwinkle E. Blood lead concentrations in Jamaican children with and without autism spectrum disorder. *Int J Environ Res Public Health*. 2014 Dec 23;12(1):83-105.
- Rahbar MH, **Samms-Vaughan M**, Dickerson AS, Loveland KA, Ardjomand-Hessabi M, Bressler J, Shakespeare-Pellington S, Grove ML, Pearson DA, Boerwinkle E. Blood manganese concentrations in Jamaican children with and without autism spectrum disorders. *Environ Health*. 2014 Aug 23;13:69.
- Rahbar MH, **Samms-Vaughan M**, Ma J, Bressler J, Loveland KA, Ardjomand-Hessabi M, Dickerson AS, Grove ML, Shakespeare-Pellington S, Beecher C, McLaughlin W, Boerwinkle E. Role of metabolic genes in blood arsenic concentrations of Jamaican children with and without autism spectrum disorder. *Int J Environ Res Public Health*. 2014 Aug 6;11(8):7874-95.
- Rahbar MH, **Samms-Vaughan M**, Dickerson AS, Loveland KA, Ardjomand-Hessabi M, Bressler J, Lee M, Shakespeare-Pellington S, Grove ML, Pearson DA, Boerwinkle E. Role of fruits, grains, and seafood consumption in blood cadmium concentrations of Jamaican children with and without Autism Spectrum Disorder. *Res Autism Spectr Disord*. 2014 Sep 1;8(9):1134-1145.

- Thompson DS, Ferguson TS, Wilks RJ, Phillips DI, Osmond C, **Samms-Vaughan M**, Forrester TE, Boyne MS. Early-life factors are associated with nocturnal cortisol and glucose effectiveness in Afro-Caribbean young adults. *Clin Endocrinol (Oxf)*. 2015 March; 82(3):352-8.
- **Thame MM**, Hsu JW, Gibson R, Baker TM, Tang GJ, Badaloo AV, Fletcher HM, Jackson AA, Jahoor F. Adaptation of in vivo amino acid kinetics facilitates increased amino acid availability for fetal growth in adolescent and adult pregnancies alike. *Br J Nutr*. 2014; 17:1-8. [Epub ahead of print]
- 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*. 2015 Jul 2 pii: 0890334415593540. [Epub ahead of print].
- Christina C Kao, Jean W Hsu, Pratibha Dwarkanath, Jeffrey M Karnes, Tameka M Baker, Kurt M Bohren, Asha Badaloo, **Minerva M Thame**, Anura V Kurpad, Farook Jahoor. Indian Women of Childbearing Age Do Not Metabolically Conserve Arginine as Do American and Jamaican Women. *The Journal of Nutrition*. Published ahead of print April 1, 2015 as doi: 10.3945/jn.114.208231.
- Ellie Adler, Dr. Cheryl Alexis, Prof. Zulaika Ali, Dr. Upton Allen, Dr. Ute Bartels, Cassandra Bick, Dr. Jacqueline Bird-Compton, Dr. Curt Bodkyn, Dr. Rosemary Boyle, Stephanie De Young, Bonnie Flemingcarroll, Dr. Sumit Gupta, Patricia Ingram-Martin, Dr. Meredith Irwin, Dr. Melanie Kirby-Allen, Dr. Sharon Mclean-Salmon, Paul Mihelcic, Dr. Michelle Ann Richards-Dawson, Dr. Michelle Reece-Mills, Dr. Furqan Shaikh, Dr. Corrine Sinquee-Brown, **Dr. Minerva Thame**, Dr. Sheila Weitzman, Dr. Gilian Wharfe And Dr. Victor Blanchette. Bridging the Distance in the Caribbean: Telemedicine as a means to build capacity for care in paediatric cancer and blood disorders. *Global Telehealth 2015: Integrating Technology and Information for Better Healthcare* G. Gillis et al. (Eds.) *Stud Health Technol Inform*. 2015;209:1-8.

- Scott C, **Thame M.** The Incidence of Cardiac Lesions among Children with Down's Syndrome in Jamaica – A Prospective Study. *West Indian Med J.* 2014 Aug 26;63(7).
- Richardson C, **Trotman H.** Risk factors for the delivery of macrosomic infants at the University Hospital of the West Indies. *Am J Perinatol.* 2014 Nov;31(11):927-32

ABSTRACTS

- A five year review of acute accidental poisoning in children at the Bustamante Hospital for Children: 2007–2011 TT Thomas, KA Bailey, M Antoine P0 - (02) *WIMJ*
- Hustedt JW, Christie C, Hustedt M, Esposito D, Vazquez M. Epidemiological and clinical risk factors associated with human bocavirus in children infected and uninfected with HIV in the Caribbean. Submitted *Journal of Medical Microbiology*, (IF - 2.529).
- Harrison A, James C, Chang S. Disordered Eating Behaviours and Attitudes in Jamaican Adolescents: Does the media play a role? *W.I. Med J*, 2015; 64(Suppl.2):25
- A. Harrison, C. James, M. Williams, A. Gardner, S. Clato-Day Scarlett, S. Chang. Adolescent Disordered Eating Behaviours and Attitudes in a Low-Middle Income Country. *J. AdolescHealth.* February 2015 Volume 56, Issue 2, Supplement 1, Page S10.
- 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 Survey. *W.I. Med J*, 2015; 64(Suppl.2):10
- **Pottinger A.** Marijuana use and quality of sperm for fertility competency: A preliminary investigation. *W.I. Med J*, 2015; 64(Suppl.2):12
- E. Greenaway, K. Fearon, **M. Thame.** Effect of overweight and obesity on pregnancy and birth outcome. *W.I. Med J*, 2015; 64(Suppl.2):54.

INVITED PROFESSIONAL AND ACADEMIC PRESENTATIONS

- Christie CD. Transition of HIV infected children from pediatrics into adult care. IWHOD symposium, 27 March, 2015, San Servelo Island, Italy.
- Christie CD. HIV in a resource challenged country – Jamaica. Invited Plenary Speaker at the Symposium to honor Professor Robert S. Baltimore, May 9, 2015; Yale University School of Medicine, New Haven, Connecticut, USA.

Harrison A.

- **Harrison A**, James C, Williams M, Gardner A, Clato-Day Scarlett S, Chang S. Adolescent Disordered Eating Behaviours and Attitudes in a Low-Middle Income Country. Society for Adolescent Health and Medicine Annual Conference 2015. Los Angeles, February 2015.
- **Harrison A**, James C, Chang S. Disordered Eating Behaviours and Attitudes in Jamaican Adolescents: Does the media play a role? CARPHA Annual conference 2015. Grenada, June 2015.
- **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.

- 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 Survey. Caribbean Public Health Agency Health Research Conference, Grenada, 25–27 June, 2015.
- **Melbourne Chambers R**. The Role of the Electroencephalogram in the Child with Seizures. Paediatric Association of Jamaica 20th Biennial International Conference. Pre-conference Workshop. Kingston, Jamaica, April 17, 2015.

Pierre R

- Evans-Gilbert, T; Reid, G; **Pierre, R.** “Perinatally HIV infected adolescents and early transition to adult care”. JAIDS 11/2014; 67. DOI: 10.1097/01.qai.0000456166.66149.ce. Platform presentation at the 16th Annual International Meeting of the Institute of Human Virology, Wednesday afternoon, September 17, 2014, Baltimore, Maryland, USA.

Pottinger AM.

- “Marijuana use and quality of sperm for fertility competency: A preliminary investigation” 60th Annual Caribbean Public Health Agency (CARPHA) Health Research Conference, St Georges University, Grenada, June 24–27 2015.
- “Counselling infertile couples.” Assisted Conception Workshop for the Caribbean, Hugh Wynter Fertility Management Unit, The University of the West Indies, Mona, June 13, 2015.
- “Psychological support for assisted fertility” 14th Annual Perinatal Conference, Department of Child and Adolescent Health and Department of Obstetrics & Gynaecology , Main Lecture Theatre, Faculty of Medical Sciences, February 21–22, 2015
- “Neonatal end of life care” (panel discussion). Paediatric Association of Jamaica Annual Ethics Seminar, Paediatric Association of Jamaica, Knutsford Court Hotel, September 25 2014.

Samms-Vaughan, ME.

- Rahbar, M. H., **Samms-Vaughan, M.**, Dickerson, A. S., Hessabi, M., Bressler, J., Coore Desai, C., Shakespeare-Pellington, S., Reece, J-A., Morgan, R., Loveland, K. A., Grove, M. L., Boerwinkle, E. Concentration of Lead, Mercury, Cadmium, Aluminum, Arsenic and Manganese in Umbilical Cord Blood of Jamaican Newborns. 2015. Denver, CO. Society for Epidemiologic Research (SER) 48th annual Meeting, June 16–9, 2015.
- Rahbar, M. H., **Samms-Vaughan, M.**, Ma, J., Bressler, J., Dickerson,

Department of Child and Adolescent Health

- A. S., Hessabi, M., Loveland, K. A., Grove, M. L., Shakespeare-Pellington, S., Beecher, C., McLaughlin, W., Boerwinkle, E. Synergic effect of GSTP1 and blood manganese concentrations in Autism Spectrum Disorder. 2015. Salt Lake City, Utah, USA. The International Meeting for Autism Research (IMFAR), 14th Annual Meeting May 13–16, 2015.
- KD Rocke, TS Ferguson, NO Younger-Coleman, MK Tulloch-Reid, JM Knight-Madden, M Samms-Vaughan, D Ashley, A McCaw-Binns, RJ Wilks The Relationship Between Birth Weight and Renal Function in Afro-Caribbean Young Adults: Analysis from the 1986 Jamaica Birth Cohort Study. FMS Research Day, November 2014.

Thame M.

- Why Research? Research Methodology Workshop, Spanish Town Hospital April, 2015.

PUBLIC SERVICE

Christie CDC

- Member, Governing Council of the International AIDS Society
- Member, Collaborative Initiative for Paediatric Education and Research (CIPHER), Governing Council, International AIDS Society
- Member, Research Grant Working Group, Collaborative Initiative for Paediatric Education and Research (CIPHER), Governing Council, International AIDS Society
- Chair, “Rethinking the Pharmaceutical Industry Liaison Forum (ILF)” of the International AIDS Society (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

- Vice Chancellor’s Representative, UWI, to the Executive, Center for HIV/AIDS Research and Training (CHART)
- Director, Jamaica’s National Program for the Elimination of Congenital HIV/AIDS and Syphilis and JaPPAAIDS, at the invitation of Jamaica’s Minister of Health, Dr Fenton Ferguson
- Senior Member, Elimination of Mother to Child Transmission (eMTCT) of HIV and Syphilis, Oversight Committee and its many Subcommittees, eg., Database, Cascade for pMTCT Syphilis,
- Chair, Clinical Trials Advisory Committee, Faculty of Clinical Sciences, UWI Mona
- UWI representative, Centre for HIV/AIDS Research and Training (CHART)
- Member, *West Indian Medical Journal*, Editorial Board
- Chair, Principal’s Research Awards Committee, Faculty of Medicine, UWI
- Chair, Clinical Trials Oversight Committee, UWI – Mona
- Special Project Lead – Collaboration between UWI and Yale University School of Medicine.

Harrison A

- Chairman, Board of Visitors, Metcalfe Street Secure Juvenile Centre
- Vice-President Caribbean region Executive council,– 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.
- Reviewer for PLOS One and West Indian Medical Journal

Pierre R.

- World Health Organization (WHO) Department of Maternal, Newborn, Child and Adolescent Health (MCA) and the Department

Department of Child and Adolescent Health

of HIV/AIDS: Technical consultation on the treatment of HIV among adolescents 22–23 September 2014 at the Chateau de Penthes, Geneva, Switzerland, WHO Temporary Advisor

- Team Chair, and Member of Accreditation Team selected by Caribbean Accreditation Authority for Education in Medicine and Other Health Professions (CAAM-HP) for site visit to St. James School Ross University School of Medicine and Clinical Affiliates, January 18–25, 2014
- Abstract reviewer: for the 8th International AIDS Society (IAS) Conference on HIV Pathogenesis, Treatment and Prevention (IAS 2015), 19–22 July 2015 in Vancouver, Canada.
- Chairman / Chief Examiner of the Caribbean Association of Medical Councils (CAMC) Examination Committee
- Member, National HIV Quantification Technical Sub Committee, Ministry of Health, Jamaica; June 2013 to date

Pottinger AM

- Coordinator, Counselling services, Eden Garden Service Center, outreach programme of Webster Memorial United Church, responsible for supervising volunteer counselors, and monitoring and evaluating counselling service to the public
- Member, Steering Committee, Psychology and Counselling Standards, University Council of Jamaica

Samms-Vaughan M.

- Chairman, Early Childhood Commission
- Member, IADB Early Childhood Advisory Group
- Director, Usain Bolt Foundation
- Director, Family Life Ministries
- Director, Vaz Preparatory School Board
- Director, Promise Learning Centre Board

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 for developing improved Care for children with cancers.
- Co-Chair for the research team, Sick Kids-Caribbean Initiative for developing improved Care for children with cancers.
- Director, Jamaica Kidney Kids Foundation (JKKF)

HONOURS AND AWARDS

Christie CD

- 2014 – Gold Musgrave Medal for Eminence in Science (Medicine), Institute of Jamaica
- 2014 – Special Project Lead – Collaboration between UWI and Yale University School of Medicine.

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 health 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. Faculty co-authored 52 peer-reviewed papers (2 with students), one book chapter, a technical report and 15 abstracts. Journal impact factors (IF) averaged 2.76 (range: 0.0–55.873). Per capita peer reviewed publications was 1.93.

UNDERGRADUATE PROGRAMME

The Department coordinates nine courses in the undergraduate medical/dental curriculum across all five years of the programme (Table 1). The increase in class sizes from around 250 to over 350 has created many logistical challenges to accommodate the increased rotation sizes. The acquisition of a 28 seater bus this year has been a great assistance, however rentals are still necessary as we provide community based public health and clinical experience for two disciplines in three clinical years.

Table 1: Undergraduate courses coordinated by the Department of Community Health & Psychiatry

Undergraduate Courses Taught – 2014-15	UWI FMS	Spartan/Other non-UWI, non FMS
MDSC 1202: Introduction to Medical Practice	366	
MDSC 1203: Health Care Concepts	368	
MDSC 2105: Health & the Environment	384	
MDSC 3104: Health Services Management	344	
MDSC 3200: Understanding Research	356	6
MDSC 3203: Aspects of Family Medicine	302	
MDSC 4002: Year Four Community Health (Public Health)	244	
MDSC 4011: Year Four Psychiatry	245	12
MDSC 5002: Final Year Community Health (Family Health)	260	6
FD 12A: Medicine, Health and Technology (Health & Disease in the Caribbean) ¹		600

1. Foundation course for UWI undergraduates not registered in the Faculty of Medical Sciences

The Faculty of Medical Sciences supported improvements to the Seaview Gardens, Denham Town and Lawrence Tavern Health Centres (Kingston and St Andrew Health Department, KSAHD) to expand the number of sites available for placement of final year students. The accreditation of regional hospitals for in-patient clinical rotations and establishment of off-campus housing have also benefitted the fourth year rural rotation in public health. We however need to continue to improve on-campus teaching spaces in both sections of the department to comfortably seat the larger groups. Off-site hosts are also stretched to accommodate these larger groups.

POSTGRADUATE PROGRAMMES

Master of Public Health, MPhil/PhD (Public Health) and Doctorate in Public Health

The Department delivers postgraduate programmes at the masters and doctoral level. The MPhil/PhD in public health is a research programme, while the doctorate in public health (DrPH) is an executive mixed methods programme of courses, practical experience and research aimed at developing the next generation of public health leaders. Options for persons pursuing the master of public health (MPH) include the general degree or specialty tracks in health education/health promotion; health management² and the latest offering, gerontology. To address the changing needs of our target group, effective with the 2014–15 academic year, MPH lectures are now offered from 2–9pm (instead of 8:30 am–5:00pm). Coincidentally, we observed a doubling of intake over the previous year.

Diploma and Doctor of Medicine (DM) in Family Medicine and DM in Psychiatry

Clinical training programmes include a diploma with the option to continue to the doctor of medicine (DM) in family medicine and a DM in psychiatry. Both clinical programmes at Mona are delivered in concert with the School of Clinical Medicine and Research, UWI, Bahamas,

with annual examinations rotating between the two sites. No psychiatry residents were registered in the Bahamas this year however. Table 2 shows the 2014–15 enrolment and those slated to graduate in November 2015.

Table 2: Post graduate students – Community Health and Psychiatry
2014–2015

Categories of students	Number registered 2014–2015	To graduate Nov 2015
PhD Public Health	8	1
Doctorate of Public Health (DrPH)	33	2
Master of Public Health		
– General	14	8
– Health Education/Health Promotion	7	3
– Health Management ²	14	4
– Gerontology	3	0
Diploma in Public Health ³		
– Health Management ²	3	2
– Gerontology	2	1
Diploma in Family Medicine (Years 1–2)		
– Bahamas	10	7
– Mona	8	1
DM Family Medicine (Years 3–4)		
– Bahamas	9	4
– Mona	5	1
DM Psychiatry (years 1–4)	14	3
Total post-graduates	130	37

2 In collaboration with the Mona School of Business.

3 Option for students with prior MPH seeking the added competencies offered in these specialty tracks.

CLINICAL SERVICES

The Community Health Centre serves 16 communities in collaboration with the KSAHD. From July 2014 to June 2015 staff saw 13,861 clients; 7,805 for curative services (screening, health promotion, general medical care, hypertension-diabetes care, dressings other acute care) and 6,056 for preventive services (family planning, cervical cancer screening, antenatal, postnatal, well-baby care). This is an 8.2% increase over last year, aided by the rotation of seven senior house officers through the health centre since January 2015. Other services including community mental health, counselling and social work intervention; disease surveillance; health promotion; and birth and death registration. Psychiatry provides adult in-patient and out-patient psychiatric services, specialized services for children and adolescents, forensic services, and day treatment for persons with drug dependency.

INTERNATIONAL SERVICE

Faculty serve on global expert panels, advisory committees and as peer reviewers for a range of international academic journals, including the *West Indian Medical Journal*.

Professor Wendel Abel

- Expert Panel: Strategic and Regional Action Plan for Mental Health (PAHO)
- Advisory Committee: The Training and Certification Program for Drug and Violence Prevention, Treatment, and Rehabilitation (PROCCER; OAS)
- Peer Reviewer: *Ethnicity and Inequalities in Health and Social Care*; *West Indian Medical Journal*

Dr Colette Cunningham-Myrie

- Committee Member: Caribbean Regional Epidemiology and Laboratory Training Programme (CDC/PAHO/CARPHA)

- Peer Reviewer: *BMC Public Health; International Journal of Diabetes in Developing Countries; West Indian Medical Journal*

Professor Denise Eldemire-Shearer

- Editorial Board Member: *West Indian Medical Journal*

Professor John Peter Figueroa

- Chair: WHO SAGE working group on Measles/ Rubella
- Chair: WHO SAGE working group on Poliomyelitis
- Chair: PAHO Technical Advisory Group (TAG) on vaccine preventable diseases
- Chair: Caribbean Expanded Program of Immunization (EPI) managers' annual meeting
- Member: WHO Strategic Advisory Group of Experts (SAGE) on vaccine preventable diseases, Geneva, Switzerland.
- Member: WHO International Health Regulations Roster of Experts (Poliomyelitis)
- Member: UNAIDS Scientific Expert Panel
- Member: PANCAP Priority Areas Coordinating Committee (PACC)
- Editorial Advisory Board: *West Indian Medical Journal*
- Peer Reviewer: Various international journals; *West Indian Medical Journal*

Dr Roger Gibson

- Member: Section on Conflict Management & Resolution, World Psychiatric Association
- Editorial Board Member: *Clinical Medicine: Case Reports* (publisher: *Libertas Academica*)
- Peer Reviewer: *BMC International Health & Human Rights; BMC Psychiatry; Journal of Pediatric Hematology and Oncology; PLoS One; Psychology, Health & Medicine; West Indian Medical Journal*

Ms Joy Harrison

- Member: Inter-American Drug Abuse Control Commission (CICAD) and Centre for Addiction and Mental Health (CAMH)

Dr Desmalee Holder-Nevis

- Member: International Union of Health Promotion and Education (IUHPE)
- Editorial Board: North American Regional Organization of IUHPE

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
- Member: American Association for Cancer Research
- Member: American Society of Nutrition
- Member: Minorities in Cancer Research
- Editorial Board Member: Ethnicity and Health
- Peer Reviewer: *BMC Public Health; Cancer Causes and Control; Clinical and Experimental Metastasis; Genes and Nutrition; Nutrition and Cancer; British Journal of Nutrition; Nutrition Journal; Public Health Nutrition; The Prostate*

Dr Samantha Longman-Mills

- Research Committee: CICAD-CAMH International Research Capacity Building Program Alumni Association
- Peer reviewer: *International Journal of Child and Adolescent Resilience*

Professor Affette McCaw-Binns

- Member: World Health Organization, Maternal Morbidity Working Group

- Member: Human Resources for Health (HRH) Technical Working Group, PAHO
- Peer Reviewer: *Annals of Medical and Health Sciences Research; BMC Pregnancy and Childbirth; BMC Health Services Research; British Journal of Obstetrics and Gynaecology; 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)
- Member: Human Resources for Health (HRH) Technical Working Group, PAHO

Dr Kai Morgan

- Peer Reviewer: *Caribbean Journal of Psychology; International Humanities Review; Journal of Black Psychology*

Dr Tana Ricketts-Roomes

- Vice President: Caribbean College of Family Physicians

Dr Henroy Scarlett

- Member: National Environmental Health Association, USA

Dr Kristen Smith

- Treasurer: Caribbean College of Family Physicians

Dr Aileen Standard Goldson

- Executive member: University of the West Indies Alumni Association Jamaica Chapter
- Executive member: Caribbean College of Family Physicians Regional Board

PUBLIC SERVICE

Faculty sit on a range of technical and advisory groups for government agencies, non-governmental organizations and hold leadership positions in professional organizations.

Professor Wendel Abel

- Chair: National Council and Drug Abuse

Mrs Althea Bailey

- Chair: The Jamaica Red Cross Adolescents at Risk Advisory Committee
- Board member: Jamaica AIDS Support for Life
- Committee member: Integrated Youth services
- Member: Ministry of Health/ National HIV Programme Technical Working Group

Dr Paul Brown

- UWI Chikungunya Response: Public Education Sub-Committee
- Family Physician: Department of Community Health and Psychiatry health centre

Dr Colette Cunningham-Myrie

- Honorary Secretary: Medical Association of Jamaica
- Member: Essential National Health Research Committee, Ministry of Health, Jamaica
- Member: Ministry of Health Working Group for Research on Chikungunya Fever in Jamaica
- Volunteer physician: Diabetes Association of Jamaica
- Member: Caribbean College of Family Physicians (Jamaica Chapter)

Professor Denise Eldemire-Shearer

- Patron: National Council for Senior Citizens

- Chairman: Board of Supervision, Ministry of Local Government/Community Development
- Chairman: Caribbean Community of Retired Persons
- Member: Central Health Committee, Ministry of Health
- Member: Medical Association of Jamaica

Professor J Peter Figueroa

- Director: Epidemiology Research and Training Unit, 22 Slipe Pen Road, Kingston, Jamaica

Dr Roger Gibson

- Member: Jamaica Psychiatric Association
- Member: Medical Association of Jamaica

Ms Joy Harrison

- Member: Jamaica Association of Social Workers

Dr Desmalee Holder-Nevins

- Executive Board Member: North Jamaica Conference of Seventh Day Adventists
- Member: Jamaica Association for Health Education and Promotion (JAHEP)

Professor Maria Jackson

- Board member: St Richard Early Childhood Education Institution

Dr Hazel Laws

- Member: Caribbean College of Family Physicians (Jamaica Chapter)
- Member: Medical Association of Jamaica

Dr Samantha Longman-Mills

- Executive Committee member and Director of Advocacy: Jamaican Psychological Society
- Member: Juvenile Correctional Centre Board of Visitors

Dr Gillian Lowe

- Child Psychiatrist: Glen Vincent Health Centre, Child Guidance Clinic
- Member: Jamaica Psychiatric Association
- Member: Medical Association of Jamaica
- Member: Paediatric Association of Jamaica
- Member: The Rotary Club of Kingston

Dr Kerriann Mahlee

- Member: Medical Association of Jamaica
- Volunteer: Food for the Poor
- Volunteer: Salvation Army

Prof Affette McCaw-Binns

- Member: National Maternal Mortality Surveillance Committee, Ministry of Health

Dr Kai Morgan

- Executive Board: Grata Foundation
- Vice-President: Jamaican Psychological Society
- Member: Caribbean Sexuality Research Group

Dr Tana Ricketts-Roomes

- Member: Association of General Practitioners
- Member: Medical Association of Jamaica
- Medical Advisor: St Hugh's Preparatory School
- Volunteer: Hanover Street Baptist Church Outreach Programme

Dr Henroy Scarlett

- President: Jamaica Occupational Health Professionals Association.
- Executive Council: Jamaica Association of Public Health Inspectors
- Member: National Oversight Committee, Ministry of Health Wastewater Systems Evaluation Project

Dr Kristen Smith

– Member: Medical Association of Jamaica

DISTINCTIONS, HONOURS, SCHOLARSHIPS AND AWARDS

UWI Medical Alumni Association – Prize for the Best Presentation by a medical student. Faculty of Medical Sciences 23rd Annual Research Conference.

- Alexander G, Bebee C-M, Chen KM, des Vignes R, Dixon B, Escoffery R, Francis C, Francis D, Mendoza Z, Montano S, Nelson M, Ramcharan S, Richards S, Jackson MD. Burden of caregivers of adult patients with schizophrenia. Faculty of Medical Sciences 23rd Annual Research Conference and Workshop, Kingston, Jamaica: November 2014. *West Indian Medical Journal* 2014; 63 (Suppl 4): O-09. Oral presentation.

PUBLICATIONS

Faculty authored 52 peer reviewed journal articles; one book chapter; one technical report and 15 published abstracts. Another 17 presentations were made at scientific and technical meetings. Ten papers and a book chapter were written by the psychiatry team, while 30 papers and one technical report were by the community health team. Two papers were inter-disciplinary efforts across both sections of the department. Students were lead authors on two papers and seven abstracts.

The per capita output was 1.93 (community health: 1.88, psychiatry: 2.30). The papers were accepted in journals with a range of impact factors (IF) from unrated (0.0) to 55.873. The mean was only 2.76 however (community health – 4.34; psychiatry – 0.21) as 23 papers were in unrated journals, while seven were in journals with IFs below one. The IF for the *West Indian Medical Journal* (four papers) fell to 0.28 in 2014. As a new journal, *West Indian Medical Journal Open* (16 papers) is unrated (IF=0.0).

PEER REVIEWED JOURNAL ARTICLES

Joint Community Health and Psychiatry

- Waldron N, Laws H, James K, Willie-Tyndale D, Holder-Nevins K, Mitchell-Fearon W, Abel D, Eldemire-Shearer D. The prevalence of cognitive impairment among older adults in Jamaica. *West Indian Medical Journal Open* 2015; 2 (2): 71-6. DOI: 10.7727/wimjopen.2014.003. IF – 0.00.
- Whitehorne-Smith P, Mitchell C, Abel WD, Harrison J. Psychoactive substance use among medical/health faculty undergraduate students. *West Indian Medical Journal Open* 2015; 2(1): 11-14. DOI: 10.7727/wimjopen.2014.268. IF – 0.00.

Community Health

- Abdulkadri AO, Tulloch-Reid MK, Francis DK, Gordon-Strachan GM, Younger-Coleman NO, Rocke KD, McFarlane SR, Cunningham-Myrie CA, Ferguson TS, Wilks RJ, Anderson SG. 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.
- Bailey A, Figueroa JP. A conceptual framework for sex work and HIV risk in a Caribbean country *Archives of Sexual Behavior* 2015 April (online); 44 (4) DOI 10.1007/s10508-014-0449-1. IF – 3.53.
- Bennett NR, Ferguson TS, Bennett FI, Tulloch-Reid MK, Younger-Coleman NOM, Jackson MD, Samms-Vaughan ME and Wilks RJ. High-sensitivity C-reactive protein is related to central obesity and the number of metabolic syndrome components in Jamaican young adults. *Frontiers in Cardiovascular Medicine* 2014; 1:12. doi: 10.3389/fcvm.2014.00012. IF – 0.00.
- 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 Jul 2. [Epub ahead of print] IF – 2.325.

- Cunningham-Myrie C, Abdulkadri A, Waugh A, Bortolusso Ali S, King LG, Knight-Madden J, Reid M. 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.
- Cunningham-Myrie C, Theall K, Younger Y, Tulloch-Reid M, McFarlane S, Francis D, Gordon-Strachan G, Wilks R. 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.
- Duncan JJ, Weir SS, Byfield L, Jones Cooper C, Jarrett S, Figueroa JP. STI prevalence and risk behaviours among club-based sex workers and street-based sex workers in Jamaica. *Journal of AIDS and Clinical Research* 2014, 5:7<http://dx.doi.org/10.4172/2155-6113.1000320>. IF – 2.34.
- 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 Feb 12. pii: S0895-4356(15)00064-5. doi: 10.1016/j.jclinepi.2015.01.026. [Epub ahead of print]. IF – 3.417.
- Figueroa JP, Cooper CJ, Edwards JK, Byfield L, Eastman S, Hobbs MM, Weir SS. 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.

- Gordon-Strachan G, **Cunningham-Myrie C**, Fox K, Kirton C, Fraser R, McLeod G, Forrester T. 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.
- **Harris MA, James K**, Waldron NK, Ferguson TS, **Figueroa JP**. Glycaemic control among patients with diabetes in primary care clinics in Jamaica, 1995 and 2012. *West Indian Medical Journal Open* 2014; 1 (3): 99 DOI: 10.7727/wimjopen.2014.085. IF – 0.00.
- **Jackson MD**, Tulloch-Reid MK, Lindsay CM, Smith G, Bennett FI, McFarlane-Anderson N, Aiken W, Coard KC. Both serum 25-hydroxyvitamin D and calcium levels may increase the risk of incident prostate cancer in Caribbean men of African ancestry. *Cancer Medicine* 2015 Jun; 4(6):925-35. doi: 10.1002/cam4.457. Epub 2015 Apr 7. IF – 2.50.
- King LG, Bortolusso-Ali S, Cunningham-Myrie CA, Reid ME. 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.
- **McCaw-Binns A**, Holder Y, Mullings J. 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.
- McCaw-Binns A. Is the enabling environment ready to address the surgically avertable burden of obstetric conditions in low- and middle-income regions? *British Journal of Obstetrics and Gynaecology* 2015 Jan; 122(2):237. doi: 10.1111/1471-0528.13215. IF – 3.448.
- McCaw-Binns AM, Mullings JA, Holder Y. Vital registration and under-reporting of maternal mortality in Jamaica. *International*

Journal of Gynaecology and Obstetrics 2015 Jan; 128(1):62-7. doi: 10.1016/j.ijgo.2014.07.023. Epub 2014 Sep 2. IF – 1.537.

- Mitchell-Fearon K, Waldron N, Laws H, James K, Holder-Nevins D, Willie-Tyndale D, Eldemire-Shearer D. Non-communicable diseases in an older, aging population: a developing country perspective (Jamaica). *Journal of Health Care for the Poor and Underserved* 2015 May; 26(2):475-87. doi: 10.1353/hpu.2015.0041. IF – 1.10.
- Mitchell-Fearon K, Waldron N, James K, Laws H, Holder-Nevins D, Eldemire-Shearer D. Hypertension and diabetes prevalence in older persons in Jamaica, 2012. *West Indian Medical Journal* 2014 Sep; 63(5):416-23. doi: 10.7727/wimj.2014.065. Epub 2014 Aug 14. F – 0.28.
- Mitchell-Fearon K, James K, Waldron N, Holder-Nevins D, Willie-Tyndale D, Laws H, Eldemire-Shearer, D. (2014). Falls amongst community-dwelling older persons in Jamaica. *Sage Open* 2014 Dec. DOI: 10.1177/2158244014564351. IF – 0.00.
- Mozaffarian D, Fahimi S, Singh GM, Micha R, Khatibzadeh S, Engell RE, Lim S, Danaei G, Ezzati M, Powles J; Global Burden of Diseases Nutrition and Chronic Diseases Expert Group (Jackson MD). Global sodium consumption and death from cardiovascular causes. *New England Journal of Medicine* 2014 Aug 14; 371(7):624-34. doi: 10.1056/NEJMoa1304127. IF – 55.873.
- Olubajo B, Mitchell-Fearon K, Ogunmoroti O. A comparative systematic review of the optimal CD4 cell count threshold for HIV treatment initiation. *Interdisciplinary Perspectives on Infectious Diseases* 2014; 2014:625670. doi: 10.1155/2014/625670. Epub 2014 Mar 20. Review. IF – 0.00.
- Rogers SJ, Tureski K, Cushnie A, Brown A, Bailey A, Palmer Q. Layered stigma among health-care and social service providers toward key affected populations in Jamaica and The Bahamas. *AIDS Care*. 2014; 26(5):538-46. doi: 10.1080/09540121.2013.844762. Epub 2013 Oct 15. IF – 2.095.

- 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 Jul 30:1-8. [Epub ahead of print]. PMID: 26226289. IF – 2.322.
- Singh GM, Micha R, Khatibzadeh S, Lim S, Ezzati M, Mozaffarian D; Global Burden of Diseases Nutrition and Chronic Diseases Expert Group (NutriCoDE) (Jackson MD). Estimated global, regional, and national disease burdens related to sugar-sweetened beverage consumption in 2010. *Circulation* 2015 Jun 29. pii: CIRCULATIONAHA.114.010636 [Epub ahead of print]. IF – 14.430.
- Standard-Goldson A, Williams-Green P, Smith K, Segree W, James K, Eldemire-Shearer D. Building family medicine postgraduate training in Jamaica: overcoming challenges in a resource-limited setting. *Education for Primary Care* 2015 Jan; 26(1):18-23. IF – 0.00.
- Weir SS, Figueroa JP, Byfield LL, Scott MA, Hobbs MM, Edwards JE, Duncan JP. "Do you think your main partner has other sex partners?" A simple question provides insight into sexual risk in Jamaica. *International Journal of STD and AIDS* 2015 Jan; 26(1):37-41. doi: 10.1177/0956462414529096. Epub 2014 Apr 2. IF – 1.054.

Student Led

- Alexander G, Bebee CE, Chen KM, des Vignes R, Dixon B, Escoffery R, Francis C, Francis D, Mendoza Z, Montano S, Nelson M, Ramcharan S, Richards S, Jackson MD. Burden of caregivers of adult patients with schizophrenia in a predominantly African ancestry population. *Quality of Life Research* 2015 Jul 24. [Epub ahead of print]. IF – 2.486.

Psychiatry

- Atkinson U, Abel WD, Whitehorne-Smith P. Current trends in

adolescent substance use in Jamaica. *Childhood West Indian Medical Journal Open* 2015; 15-18. DOI: 10.7727/wimjopen.2014.262. IF – 0.00.

- Gough H, Longman-Mills S, De La Haye W, Mann R, Brands B, Hamilton H, Wright M, Cumsille F, Khenti A. Family relations, peer influence, spirituality and drug use among students in one university in Kingston, Jamaica. *Texto Contexto – Enfermagem* 2015 July; 24(spe): 184-189. <http://dx.doi.org/10.1590/0104-07072015001220014>. IF – 0.15.
- Henry M, Whitehorne-Smith P, Abel WD. Sociodemographic and clinical characteristics of persons presenting with deliberate self-harm to the Accident and Emergency Department of the University Hospital of the West Indies. *West Indian Medical Journal Open* 2015; 2(1): 28-32. DOI: 10.7727/wimjopen.2014.269. IF – 0.00.
- Hickling FW, Martin JS, Walcott G, Paisley V, Hutchinson N, Clarke TR, Barton EN. The creation and validation of the Jamaica Personality Disorder Inventory. *West Indian Medical Journal* 2014; 62 (5): 389-397. IF - 0.28.
- Longman-Mills S, Whitehorne-Smith P, De La Haye W. Substance abuse and its relationship with household dysfunction and psychological distress among university students. *West Indian Medical Journal Open* 2015; 2(1): 3-6. doi: 10.7727/wimjopen.2014.265. IF–0.00.
- Longman-Mills S, Abel W, De La Haye W. Substance abuse during adulthood subsequent to the experience of physical abuse and psychological distress during childhood. *West Indian Medical Journal Open* 2015; 7-10. DOI: 10.7727/wimjopen.2014.26. IF – 0.00.
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TECHINICAL REPORTS

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- Brown P, James K, McCaw-Binns A, Standard Goldson A. The association between personality types and medication adherence among adult hypertensive patients. 60th Annual Caribbean Regional Public Health Agency (CARPHA) Health Research Conference. St. George's University, Grenada: June 2015. *West Indian Medical Journal* 2015; 64 (Suppl 2): O-41. Oral presentation.
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- Campbell N, Scarlett HP, Baker R. Violence against environmental health officers: The Jamaican experience. National Environmental Health Association 79th AEC Meeting, July 14, 2015: Orlando, Florida: AEC Program Guide, July 13–15, 2015; page 36.
- Cunningham-Myrie C, Younger-Coleman N, Tulloch-Reid M, Lyew-Ayee P, Mullings J, Theall K, Wilks R. Obesity highest in parish with greatest proportion of farmers in Jamaica, a lower middle income country. American Public Health Association 142nd Annual Meeting and Exposition, New Orleans, Louisiana. November 2014.

- Gibson R, Mitchell-Fearon K, Waldron N, Abel W, James K, Willie D, Laws H, Holder-Nevins D, Eldemire-Shearer D. Lifestyle issues and depressive symptoms among a nationally representative sample of community dwelling older persons. XVI World Congress of Psychiatry. Madrid, Spain, September 14–18, 2014.
- Rocke KD, Ferguson TS, Younger-Coleman NO, Tulloch-Reid MK, Knight-Madden JM, Samms-Vaughan M, Ashley D, McCaw-Binns A, Wilks RJ. The relationship between birthweight and renal function in Afro-Caribbean young adults: analysis from the 1986 Jamaica Birth Cohort Study. *West Indian Medical Journal* 2014; 63 (Suppl 4): P-28. Poster presentation.
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 - Graham M, Cunningham-Myrie C. The Chronic Disease Passport: An assessment of its effectiveness in improving hypertension control in Jamaicans. 60th Annual Caribbean Regional Public Health Agency (CARPHA) Health Research Conference, Grenada: June 2015. *West Indian Medical Journal* 2015; 64 (Suppl. 2): P-23. Poster presentation.
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 - Mullings J, McCaw-Binns A, Younger-Coleman, N, Archer C, Wilks R. Poor quality urban infrastructure: a mental health risk factor - perspectives from a Small Island Developing State. American Public Health Association (APHA) 142nd APHA Annual Meeting and Exposition, New Orleans, Louisiana. November 2014.

OTHER PRESENTATIONS

- **Brown P, McCaw-Binns A.** Maternal morbidity questionnaire – pre-test experience, Jamaica. WHO Maternal Morbidity Measurement Working Group Meeting. Istanbul, Turkey. Oct 2014.
- **Campbell N.** Climate change and occupational health exposure in tropical settings. Jamaica Association of Public Health Inspectors

68th annual conference and exhibition. Jewel Runaway Bay Beach and Golf Resorts, St Ann, Jamaica, October 2014.

- **Eldemire-Shearer D.** Older persons in Jamaica: 2012. Findings of the survey. Jamaica House, Kingston, Jamaica. August 2014.
- **Eldemire-Shearer D.** Hypertension in the elderly. Seventh (7th) Annual International Conference on Nephrology and Hypertension. Montego Bay Convention Centre, Montego Bay, Jamaica. January 2015.
- **Eldemire-Shearer D.** Mental Health Issues in Older Persons. Caribbean College of Family Physicians 6th Triennial Conference 2015. Theme – Family Physicians: Integrating Mental Health Care into Family Practice. Mona Visitors’ Lodge, Kingston, Jamaica. February 2015.
- **Eldemire-Shearer D.** The Psychological Impact of Chronic Diseases on Aging; Medical Association Bahamas 2015 Annual Scientific Conference. Nassau, Bahamas. March 2015.
- **Eldemire-Shearer D.** AGEING: How to do it successfully and live life to the fullest. Department of Correctional Services, Kingston, Jamaica. June 2015.
- **Figueroa JP, Thompson KM, Strelbel PS.** What will it take to achieve measles and rubella elimination? Global Immunization Meeting, Barcelona, Spain. June 2015.
- **Jackson MD, Tulloch-Reid MK, Lindsay CM, Smith G, Bennett FI, McFarlane-Anderson N, Aiken W, Coard KC.** Association of circulating vitamin d with risk of prostate cancer in Jamaican men. The Science of Global Prostate Cancer Disparities in Black Men Conference. Montego Bay, Jamaica. November 2014.
- **Jackson MD.** Importance of diet, nutrition and physical activity for cancer prevention. 5th International African-Caribbean Cancer Consortium Conference. Scholcher, Martinique. Oct 2014.
- **Longman-Mills S.** Drug Research in the Caribbean: The CICAD-

CAMH Effect. 2015 NIDA International Forum. Building International Collaborative Research on Drug Abuse. Phoenix, Arizona. June 2015.

- **McCaw-Binns A.** Maternal morbidity measurement tool and pilot study: overview. WHO Maternal Morbidity Measurement Stakeholders Meeting. Istanbul, Turkey. October 2014.
- **Scarlett HP.** Climate-sensitive diseases. 68th Annual Educational Conference and Exhibition of the Jamaica Association of Public Health Inspectors (JAPHI). St. Ann, Jamaica. October 2014.
- **Scarlett HP.** Chikungunya outbreak in Jamaica. The Kentucky Association of Milk, Food and Environmental Sanitarians. Lexington, Kentucky, USA. February 2015.
- **Scarlett HP.** Promoting health at the workplace. Jamaica Occupational Health Professional's Association (JOHPA) seminar. Alhambra Inn, Kingston. April 2015.
- **Scarlett HP.** Violence against environmental health officers: The Jamaican experience. National Environmental Health Association 79th Annual Educational Conference and Exhibition, Orlando, Florida. July 2015.
- **Scarlett HP.** Chikungunya ravages the Americas: How did Jamaica fare? National Environmental Health Association 79th Annual Educational Conference and Exhibition, Orlando, Florida. July 2015.

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 persevered in its mission of excellence in teaching, engaging in research which is relevant, providing service and outreach during the period August 1, 2014 to July 31, 2015. One of the main challenges the Department faced was the limited budget allocated which is grossly inadequate for proper functioning of its academic activities. The increased number of undergraduate students also posed a significant challenge.

TEACHING

Undergraduate

The Department has been able to manage the increased number of Undergraduate students in the flagship MBBS program with difficulty

and this continues to be one of the major challenges for the Department. The University Hospital of the West Indies (UHWI), the main teaching facility for clinical teaching has limited space and facilities and limited patient numbers. In addition, there is a significant shortage of resources at the UHWI which is causing major challenges for patient care and which adversely affects both undergraduate and post-graduate teaching and learning. There is chronic shortage of most medications and a lack of maintenance of most equipment used for patient care, teaching and research. There has been difficulty maintaining equipment and no replacement for outdated or non-functional equipment. The full time and associate staff 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 predominantly to the UHWI, which includes all of the second year IMP students and two thirds of the third year clerkship 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 and the Spanish Town Hospital but problems with inadequate staffing continues to pose a challenge at all sites. The Associate Lecturers at the peripheral institutions, despite their busy clinical schedule, continue to do an excellent job in teaching the students. The feedback from the students at the peripheral teaching sites remains quite good. There is a need for more associates to be appointed due to the increased number of patients and the increased patient load in Internal Medicine which leaves inadequate time for teaching.

The teaching of the clinical clerkships consists of predominantly small group interactive teachings with an emphasis on patient centered and problem oriented learning. These include ward rounds, patient based and problem oriented teachings activities. In addition to the small group

bedside teaching there are scheduled teachings to students at the different sites on a daily basis. The topics for the daily teachings have been standardized.

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, however, the clerkship was completed satisfactorily.

The increased number of students over the past two years 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 November/December 2014 OSCE final examination was difficult to organize as we were unable to use the usual three medical wards for the examination due to the increased number of emergency patients requiring admission. One medical ward, the medical clinic and the surgery clinic were utilized. There were some problems with organization and there were hitches during the exam process. The main May/June (2015) MBBS final examination was conducted successfully and of the 255 students taking the Medicine examination 13 (5%) failed and 8 obtained Honors. A Mona student obtained the Medicine subject medal, having performed the best in the examination across all four campuses.

Postgraduate

The DM postgraduate programme in Medicine remains strong having trained specialists in Internal Medicine for Jamaica and the Caribbean for over forty years despite a lack of specific funding for the programme. The success of the programme has been highly dependent on the commitment of the staff to training DM postgraduate students.

A research project is a recent requirement in the third elective year. In general, the research has been beneficial but candidates frequently have challenges in the write up on schedule, as the completed project must be presented six months prior to sitting the final exit exam. Candidates are required to have an assessments completed by their supervisors each

semester. These assessments are required for their registration at the start of each semester. The candidates are also assessed monthly by their supervisor.

With the increasing number of undergraduate students in the MBBS programme there is an urgent need to increase the number of DM students in the Medicine programme but the UHWI is presently financially constrained to implement this increase. The DM students are paid by the UHWI and the number of posts are inadequate to cover the increased workload. 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.

There is a great need to train subspecialists and the Department is able to start Fellowship subspecialty training as qualified applicants are available in several areas. Nephrology Fellowship training has started and there has been four graduates. Approval has been obtained to start training in Cardiology, Gastroenterology and recently Infectious Disease. Fellowship training in Infectious Disease started in January 2014 with two Fellows; this in collaboration with the University of South Carolina. Proper training for Cardiology and Gastroenterology will require the provision of appropriate diagnostic equipment which has been grossly inadequate for routine use.

RESEARCH

Expansion of research in the Department which is relevant remains a priority. All members are encouraged and expected to do research and publish. The number of research projects have increased and although research output has been variable this has increased over the past two years.

The research laboratory in the Department has been non-functional and

in disrepair for many years but has been partially refurbished recently, however there is a need for equipment for the lab to become fully functional.

CONTINUING MEDICAL EDUCATION

The Department of Medicine is committed to offering continuing medical education to all physicians. The Department hosted a successful Cardiology week culminating in a Cardiology Symposium in February 2015. The theme was “Coronary Artery Disease and Congenital Heart Disease”. There was a visiting lecturer from the University of Toronto, Dr Alan Barolet who gave the keynote address on “Choosing patients for percutaneous coronary intervention”. There were also two visiting paediatric cardiologists; Professor Jane Summerville from the University of London who discussed “Grown-up congenital heart disease” and Dr Allan Magee, University of South Hampton, who presented “Catheter treatment of congenital heart disease”. The cardiology week activities also involved a talk by a staff member to employees at a major private corporation and a public wellness clinic and talks to patients.

The Department had two distinguished Lectures presented by, a) Professor Harrison Farber, Boston University, in September 2014 who spoke on Pulmonary Fibrosis and b) Professor Anthony Kaloo, Johns Hopkins University, in June 2015 who spoke on Endoscopic surgical procedures.

The Department hosted an Infectious Disease Symposium in December 2014 with three presentations from visitors from the Infectious Disease Department of the University of South Carolina

The annual summer review, at which staff members give a presentation in their field of expertise, was held in July 2015 was successful with increased 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

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have been trained and several others are in training. All trained Fellows have returned to the Caribbean.

There is collaboration with the University of South Carolina for Fellowship training in Infectious Disease. This started in January 2014 with two post-DM graduate students. The two Fellows have spent two months each at the University of South Carolina in clinical training from June to September 2014.

OUTREACH

The Department was active in several outreach projects. The Nephrology staff 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 continue 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 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 Selim Benbadis, Professor of Neurology, Tampa, Florida. Presented a special lecture on epilepsy. July 2014

- Professor Harrison Farber, Professor of Medicine, Boston University. Presented a distinguished lecture on pulmonary hypertension. September 2014
- Dr Sharon Weissman, Programme Director Infectious Disease, University of South Carolina and Professor Helmut Albrecht, Head Infectious Disease, University of South Carolina discussed continuing collaboration with the Fellowship Programme in Infectious Disease which started at Mona in January 2014. December 2014. Presented at Infectious Disease Symposium December 2014
- Professor Alan Barolet, International Programme Director Cardiology, Director Post-Graduate Education in Cardiology, University of Toronto, Canada. Presented at the Cardiology Symposium – Choosing patients for PCI. Discussed continuation of Fellowship training for DM graduates in Cardiology. February 2015
- Professor Anthony Kalloo, Professor of Medicine, Director of Gastroenterology and Hepatology, Johns Hopkins University. Presented the Erick Cruickshank distinguished Lecture.

STAFF

A lecturer resigned and another lecturer took a two year leave of absence to pursue a research Fellowship in the USA. A senior lecturer retired in September 2014.

Refereed Journal Articles

- T Murphy, EK Donaldson, M. Mills. M, Arthurs, MG Lee. Gastro-oesophageal Reflux Disease - An Update. *West Indian Med J* 2015 vol 2 Issue 3
- Forbes N, Barrow G, Walwyn M, Terry Pena Y, Keenan J, Aung M, Lee M G. Causes of death in the HIV population in Western Jamaica. *Annals of Tropical Medicine and Public Health* 2014; Vol 7 Issue 1: 25-29
- Y Dawkins, M Mills, T Murphy, B. Hanchard, MG Lee. Autoimmune

Hepatitis and Primary Sclerosing Cholangitis – Overlap Syndrome
Internet Journal of Gastroenterology. 2014;14 No.1 ISSN: 1528-8323

- Whittle DO, Williams NP, Nicholson AM, King-Robinson K, Kirsch R, Riddell R, Mazzulli T, Lee MG. Whipple's disease in an Afro-Caribbean national. *West Indian Medical Journal*. 2014; vol. 63 no.1 Print version ISSN 0043-3144
- JE Campbell, M Gossell-Williams, MG Lee A Review of Pharmacovigilance. *West Indian Med J* 2014; 63 (7) DOI: 10.7727/wimj.2013.251
- Boyd I, Gossell-Williams M, Lee MG. The use of analgesic drugs in patients with Sickle Cell Painful Crisis. *West Indian Medical Journal* 2014; 63:5 DOI: 10.7727/wimj.2012.272
- K Galloway-Blake, M Reid, C Walters, J Jaggon, M G Lee. Clinical factors associated with morbidity and mortality in patients admitted with sickle cell disease. *West Indian Medical Journal* 2014;63 (7) DOI: 10.7727/wimj.2014.012
- T K McGhie, K DeCeulaer, CA Walters, A Soyibo, M G Lee. Vitamin D levels in Jamaican patients with systemic lupus erythematosus Lupus. Published online 2014. DOI: 10.1177/0961203314528556
- Ezinne CC, Yoshimitsu M, White Y, Arima N (2014) HTLV-1 Specific CD8+ T Cell Function Augmented by Blockade of 2B4/CD48 Interaction in HTLV-1 Infection. *PLoS ONE* 2014;9(2): e87631. doi:10.1371/journal.pone.0087631
- Francis-Emmanuel PM, D S. Thompson, AT. Barnett, C Osmond, CD. Byrne, MA. Hanson, P D. Gluckman, T E. Forrester, and M S. Boyne. Glucose Metabolism in Adult Survivors of Severe Acute Malnutrition. *J Clin Endocrinol Metab* 2014;99: 2233–2240
- KK Francis, NO Younger-Coleman, MK Tulloch-Reid, RA Wright-Pascoe, MS Boyne, RJ Wilks and TS Ferguson. Relationship between self-monitoring of blood glucose and glycaemic control among patients attending a specialist diabetes clinic in Jamaica. *Int J Diabetes Dev Ctries* DOI.1007/s13410-014-0222-y, 1 October, 2014.

- N Johnson, R Wright-Pascoe, et al. Population Reference Values and Prevalence Rates following Universal Screening for Subclinical Hypothyroidism during Pregnancy of an Afro-Caribbean Cohort. *European Thyroid Journal*, 2014 Dec; 3(4):234-9.

Abstracts in Peer Reviewed Journal

- D Reid, M Lee, M Mills, B Hanchard, MF Smikle. A review of autoimmune hepatitis at the University Hospital of the West Indies over a ten-year period. *West Indian Medical Journal*. 2014; 63 (Suppl 4): 23
- G Barrow, T Hylton-Kong, N Rodrigues, Y Yamamura, JP Figueroa. HIV-1 resistance in antiretroviral experienced patients in the largest outpatient treatment facility in Jamaica. *West Indian Medical Journal*. 2014; 63 (Suppl 4): 24
- S Matthews, S Jarrett, G Barrow. A secret is not a secret if you tell somebody else”: exploration of factors affecting HIV disclosure in intimate relationships. *West Indian Medical Journal*. 2014; 63 (Suppl 4): 24
- G Barrow, N Palmer-Mitchell, EN Barton, MG Lee. A short-term project of routine, provider-initiated, HIV testing and counseling in the Department of Medicine, University Hospital of the West Indies: success and challenges. *West Indian Medical Journal*.. 2014; 63 (Suppl 4): 25
- K King-Robinson, D Whittle, M Mills, B Hanchard, S Shah, MG Lee. Non-alcoholic fatty liver disease at the University Hospital of the West Indies. *West Indian Medical Journal*.. 2014; 63 (Suppl 4): 38
- T Mason, M Verley, M Gossell-Williams, A Thorbourne, A Walcott-Mitchell, K Hoe, M Lee
- The evaluation of the changes in serum creatinine associated with intravenous administration of Gentamicin. *West Indian Medical Journal*.. 2014; 63 (Suppl 4): 41

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- R Gordon, V Elliott, R Edwards, J Williams-Johnson, M Hoo Sang, MG Lee. Reperfusion therapy at the University Hospital of the West Indies, Kingston, Jamaica, for patients with ST segment elevation myocardial infarction (STEMI) presenting to the Emergency Department. *West Indian Medical Journal*. 2014; 63 (Suppl 4): 41
- A Procope, J Campbell, M Gossell-Williams, V Elliott. An investigation into the association of age, gender, ethnicity, body mass index and concomitant medications on international normalized ratio levels in persons on warfarin therapy *West Indian Medical Journal*. 2014; 63 (Suppl 4): 42
- C Anderson, T Hylton-Kong, M Townsend, S Bluemer-Miroite, K Seribi, C Behrens, M Hamilton, G Barrow, K Sutherland. Jamaica quality improvement collaborative. *West Indian Medical Journal*. 2014; 63 (Suppl 4): 43
- G Barrow, S Jarrett, E Stevens, Z Miller, N Skyers, K Harvey, C Pretorius. Estimating the sources of new HIV infections in Jamaica using the modes of transmission model. *West Indian Medical Journal*. 2014; 63 (Suppl 4): 49
- R Lowe-Jones, M Boyne. Determining body weight change in patients treated for hyperthyroidism *West Indian Medical Journal*. 2014; 63 (Suppl 4): 56
- R. Wright-Pascoe. A1c as a Diagnostic Tool. *West Indian Medical Journal*. 2015; 64: (Suppl. 1): 22
- 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 Journal*. 2015; 64 (Suppl 1): 36.
- EN Barton. Diabetes and the Kidney. *West Indian Medical Journal*. 2015; 64: (suppl. 1): 22
- KA 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. Abstract #53013 *Infectious Diseases society of America*

- KA Pate-Robinson, T Thompson, O Olugbuyi, K Swaby, P Robert. Prevalence and Outcome of Sepsis in Adults Admitted to a Tertiary Care Hospital in the West Indies from January 2010 to December 2014. Abstract #51179 *Infectious Diseases society of America*
- N Forbes, G Johnson, M A C. Frankson, K Johnston, I Martin, A Smith, K Mcconnell, R Sands, A Garrison, S Weissman, T Thompson, S Read, The HIV Continuum of Care in the Bahamas in 2012. Abstract #52461(*Infectious Diseases society of America*)
- Chin-Harty, LA, DS Thompson, et al. The Association between Early Life Factors and Cortisol Awakening Response in Adolescents. *Endocrine Reviews*. Vol. 36, Issue 2, April 2015
- R Wright- Pascoe. Managing Chronic Non- Communicable Disease during Sports. *West Indian Medical J* 2014; 63 (Suppl 1) 35.
- R Wright-Pascoe. Chairman’s Message to the University of the West Indies Faculty of Medical Sciences 22ND Annual Research Conference and Workshop on “Affairs of the Heart”. *West Indian Medical Journal*. 2014; 62(suppl.6) 2.
- Williams M, Ferguson TS, Menon U, Garrison A, Ali A. Aging and Non-Communicable Disease in HIV – a sub-analysis of “Neurological Complications of HIV/AIDS in Jamaica: Relationship with Age, Education and CD4 Count. *Annals of Neurology*, Vol 76, Issue Supplement S18, October 2014”

PRESENTATIONS

Dr. A. Soyibo

- Caribbean Renal Registry- Annual Data Report. 6th Annual Conference of Nephrology and Hypertension. Overview of kidney disease in the Caribbean, “Jamaica as a case point”. Combined Nephrology conference, University of Michigan May 2014.

Professor R. Wright-Pascoe

- Inflammatory markers in Obesity. Annual Scientific Meeting of the

Department of Medicine

Caribbean Obesity Forum and Caribbean Society of Endoscopy Surgeons. 20–22, November 2014

- Earlier Treatment Intensification in Type II Diabetes. February 2015
- It's not only about A1c: How a patient gets to goal is important. July 2015
- The Intervention to Prevent Development of Diabetes. January 2015
- Current Guidelines for the Management of Diabetes". 29 June 2015
- Role of the Kidney in Diabetes Control". 20 May 2015
- Diabetes Prevention and Screening: An Overview of the Local Practices – ADA and Jamaican Guidelines. 26 July 2015

Dr. Lisa Chin-Harty

- Poster Presentation at ENDO 2015 Conference – The Association between Early Life Factors and Cortisol Awakening Response in Adolescents. March 5-8

Dr. Amza Ali

- Typical, atypical and vascular Parkinsonism in Jamaica: an 8-year prospective study. A. Ali, K. Josephs. American Academy of Neurology (AAN) Annual Meeting April 2015

Dr. Tamara Thompson

- Special considerations for women and HIV. 3rd CHART-CCAS-CMLF Joint Meeting (11th CCAS HIV/AIDS International Workshop)
- Prevention Benefits of Antiretroviral Therapy in Caribbean HIV Patients: The Central Role of Patient Engagement in the Continuum of Care. St. Maarten, August 2014.
- Exploring the need for a mixed methods approach to ascertaining antibiotic prescribing practices among Jamaican medical practitioners. Mixed Methods Research Caribbean Conference.

- A Management Protocol for Febrile Patients with Suspected Infectious Diseases in General Practice. The Management Of Febrile Illnesses. The Association of General Practitioners of Jamaica, January, 2015
- Exploring the need for a mixed methods approach to ascertaining antibiotic prescribing practices among Jamaican medical practitioners. Mixed Methods Research Caribbean Conference, March, 2015

Dr. C. Collie

- Obstructive Sleep Apnea
- TVJ – “10 Minute to Your Health” on Smile Jamaica. May 2015
- Recommendations to sleep better – “10 Minutes to Your Health” on Smile Jamaica at TVJ. June 2015
- Role of Immunization in Adults with Emphasis on Pneumococcal Vaccinations. June 2015

Dr. T Murphy

- Bowel Preparation in the patient with Renal Disease. Caribbean Institute of Nephrology’s Annual conference. 2015

Professor E Barton

- Screening for Kidney Disease. 7th Caribbean Institute of Nephrology Conference. 2015.
- Diabetes and Chronic Kidney Disease. March 2015

Dr. M Hoo Sang

- Hypertension- Applying the JNC 8 Guidelines. November 2014
- Current Guidelines for Management of Hypertension. June 2015

PUBLIC SERVICE & OUTREACH

Professor Michael Lee

- Member, Board of Executive, Food For the Poor

Department of Medicine

- Chair, Medical Committee, Food For the Poor
- Member, Medical Review Panel Ministry of Health. Jamaica
- Member, Board of the Heart Foundation of Jamaica
- Member, Health and Wellness Tourism Steering Committee, JAMPRO

Professor Everard Barton

- Renal clinic outreach Mandeville Regional Hospital and St. Ann's Bay Hospital.
- 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) to do a Caribbean wide screening for Kidney disease in the English speaking Islands/countries.
- Arranged with Global links for visiting teams of Healthcare professionals to work with local teams in surgery and medicine in Kingston, Manchester and St. Ann.
- 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
- Obtaining from Global links (USA) dialysis material: fluid, chemicals and machines

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.
- 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

Professor R. Wright–Pascoe

- Chairman of the Jamaica National Committee on Non-Communicable Diseases, Ministry of Health
- Member of Council of the Medical Association of Jamaica.
- Chairman of the Board of Management of Central Medical Laboratories.
- Member of the Medical Tribunal Unit of the Medical Council of Jamaica.
- Co-chair the Medical Association of Jamaica's 50th Anniversary Celebrating the MAJ Golden Jubilee.

Dr. C. Collie

- Chairman, Board of Directors, Pre-University School, Taylor Hall, UWI, Mona
- C– hairman, 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.

Department of Medicine

- Member of the Monitoring and Evaluation Reference Group, National HIV/STI Programme.
- Member of the Academic Sub-Committee of the National AIDS Committee.
- Member of the Civil Society Forum of Jamaica.
- Member of the “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

- Chair, Caribbean taskforce of the North American Regional Commission on Epilepsy
- Chair of Taskforce for the biennial North American Regional Caribbean Congress on Epilepsy
- Member, International Affairs Commission of the American Epilepsy Society (AES).

Dr. K. Maloney

- Vice president Lupus foundation of Jamaica July 2012 to present

Dr. F. Gayle

- Jamaica National Health Fund Medical Expert Panel

Dr Paul Scott

- Vice-Chairman finance committee Church of the Ascension, Mona
- Youth Co-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

AWARDS

- Professor E Barton – The Sir Phillip Distinguished Award for Pioneering Service in Nephrology and Dialysis
- Dr Althea East Innis – awarded the FRCPC, Edinburgh

DEPARTMENT OF MICROBIOLOGY



Professor John F. Lindo, BSc, PhD *UWI*
Head of Department

WORK OF THE DEPARTMENT

ISO accreditation

The Department applied for ISO accreditation through Jamaica National Agency for Accreditation (JANAAC) and awaits assessment. Professor Smikle, the Quality Manager received the document review report and addressed some non-conformances cited in the Management Requirements Documentation. The Technical Requirements were considered acceptable for the most part.

Pitfalls include financing of laboratory tests for which accreditation is being sought and the hiring of a Quality Manager which has been an outstanding request for many years.

National Influenza

The NIC Jamaica under the Directorship of Dr Sandra Jackson participated through the sponsorship of PAHO in the Severe Acute Respiratory Infection (SARI) Surveillance in the Americas (SARInet) meeting which was held in Mexico, April 2015. This meeting was attended by the countries of the Latin America and the Caribbean. The NIC Jamaica presented findings in collaboration with the Jamaica Ministry of Health (MOH) on influenza activity in Jamaica for the year 2014. The fact that the NIC Jamaica and the MOH represented Jamaica as one of the first Caribbean countries to participate in the launch of the new FluID real time reporting platform PAHO was highlighted. The NIC Jamaica participated successfully with 184 laboratories from 144 countries in six WHO regions in the 14th WHO External Quality Assessment Programme for the Detection of Influenza Virus Type A by PCR in June 2015. In keeping with sustainability and capacity building of the NIC, training of Microbiology Medical Technologists and a Laboratory Assistant was successfully completed at the Caribbean Public Health Agency, with the support of the PAHO. The NIC continues to collaborate with the PAHO on weekly publication on Influenza and Other Respiratory Viruses, with the MOH Jamaica on the Weekly Surveillance Bulletin, the CDC and the WHO.

Antibiotic Guidelines

A multidisciplinary team (UWI/UHWI/MOH) under the leadership of Dr Alison Nicholson and which included Dr Camille-Ann Thoms-Rodriguez worked on development of antibiotic guidelines for the University Hospital of the West Indies. This will form the template for similar guidelines to be used in hospitals across Jamaica. The project is supported by a grant from the National Health Fund.

Infection control training video

The Infection Control Committee of the University Hospital of the West Indies which is chaired by Dr Alison Nicholson developed a

Department of Microbiology

training video for the control of healthcare associated infections in Jamaican hospital settings.

World Sepsis Day (WSD) Planning Committee (Jamaica)

September is sepsis awareness month and World Sepsis Day is celebrated on September 13 every year since 2012. Dr Niranjana Kissoon, Vice-Chairman, Global Sepsis Alliance (GSA) and Professor at the University of British Columbia (Canada) invited the wider UWI community in January 2015 to join in the global fight against sepsis. The Department of Microbiology led by Dr Ivan Vickers became the focal point for the World Sepsis Day Planning Committee (Jamaica) – an interdepartmental and multidisciplinary team. The mandate of the local WSD Planning Committee is to STOP SEPSIS and SAVE LIVES by raising public awareness, advocating political support and educating healthcare professionals on early recognition and early resuscitation. Sepsis awareness documents were disseminated to the Ministry of Health, Medical Association of Jamaica, Nurses Association of Jamaica and Pan American Health Organization, among others. A webinar entitled “Sepsis: A Neglected Global Killer” was held on June 4.

SURVEILLANCE REPORTS

The Department of Microbiology continued to submit the following monthly reports to the Ministry of Health.

1. General Virology Report
2. Bacteriology Report
3. Dengue Report
4. Chikungunya Report
5. HIV Report

RESEARCH

International Network of SUE Caribe – University of the West Indies Caribbean Researchers

Ms Nicole Christian and Dr Camille-Ann Thoms-Rodriguez along with six researchers from the Faculty of Medicine at the University of Cartagena (Dr. Doris Gomez, Dr. Claudio Gomez, Dr. Margarita Ochoa Diaz, Dr. Ronald Maestre, Dr. Jose Pomares, Dr. Javier Bahema, Dr. Angelo Alario Dr. Enrique Mazonett) continued the collaborative work on genetic basis of antibiotic resistance in selected bacteria.

Dr Thoms-Rodriguez gave the keynote address Carbapenem Resistance in *Pseudomonas aeruginosa* and the Emergence of Novel Mechanisms of Carbapenem Resistance at the Third International Symposium on Tropical Medicine and the second meeting of the International Network of Caribbean Researchers (Sue Caribe) held in Cartagena, Colombia, September 1–5, 2014.

- **Collaboration with University College, London and Medical University, Vienna**

The department continued our collaboration with University College London's Centre for Clinical Microbiology with the visit of Mr Simon Westby who continued on the project of molecular epidemiology of zoonotic parasites in dogs and humans. This supplemented the work of Dr John Lindo whose continued collaborative research with the Medical University of Vienna has started to bear fruit although progress was hampered due to lack of access to DNA sequencing at UWI.

- **Collaboration with Case Western Reserve University**

Dr Alison Nicholson and Dr Altreisha Foster-Bentho (UWI/Case Western Reserve University) continued their collaborative research on pneumococcal vaccine coverage in paediatric and adult populations in the Caribbean. The project successfully completed sampling in Jamaica and in Trinidad and samples were being serotyped at the time of writing.

- **Multicentre research collaboration on HIV pathogenesis**

Dr Joshua Anzinger established collaborative studies on HIV pathogenesis with Rush University (Chicago), Albert Einstein College of Medicine and the Brunet Institute. As part of the research collaboration Professor Alan Landay visited the department in order to establish the programme of research which underpins the collaboration.

- **Collaboration with SUNY, Buffalo and Ministry of Health Jamaica**

Following on the signing of a collaborative agreement between the Vice Chancellor UWI and the President of the State University of New York (SUNY) an infectious diseases research and training grant application was drafted by Professor Gene Morse (SUNY at Buffalo) and Professor Lindo as co-PIs for submission to Fogarty, NIH. This would allow mobility of research students between UWI and Buffalo. Further, the Minister of Health, Jamaica and Professor Lindo visited Buffalo where the commitment was given for a tripartite collaboration (UWI/MOH/SUNY) to set up the Jamaica Center for Infectious Diseases Research (JCIDR).

POSTGRADUATE TRAINING

The department has the following postgraduate students on register:

MSc – 12

MPhil – 3

PhD – 2

DM – 5

INCOME GENERATION/GRANTS

Efforts to generate income from the laboratories continue to fail as the services are underfinanced and cannot be offered on a consistent basis.

Grants

PetroCaribe Energy efficiency and Conservation project (Investigators JF Lindo, JJ Anzinger, N Christian) USD247, 600.00.

PUBLIC SERVICE

Professor John Lindo

- Member, Rotary Club of New Kingston

Dr Sandra Jackson

- Member of the Ministry of Health's IHR Technical Advisory Group of Experts
- Member ,Pandemic Preparedness Committee
- Member, American Biological Safety Association

Professor Monica Smikle

- Member of Lions Club of Mona

PAPERS PRESENTED

- R Goffe, K Nelson, L Benjamin-Johnson, AM Nicholson, C Thoms-Rodriguez. Microbe alert! Old foes or new pathogens? *W Indian Med J* 2014; 63 (Suppl. 4) page 40 at the 23rd Annual Faculty of Medical Sciences (FMS) Research Conference and Workshop on Evidence-based Practice – Bridging the Gap between the Bench, Bed and Beyond; November 2014)
- C Thoms-Rodriguez, J Edwards, AM Nicholson. Microbiology sample rejection rates in the pre-analytical stage at the University Hospital of the West Indies for 2014. *W Indian Med J* 2014; 63 (Suppl. 4) page 46. (POSTER PRESENTATION at the 23rd Annual Faculty of Medical Sciences (FMS) Research Conference and Workshop on Evidence-based Practice – Bridging the Gap between the Bench, Bed and Beyond; November 2014)

Department of Microbiology

- P. Ward, AM Nicholson, C Thoms Rodriguez. The prevalence and trends of methicillin-resistant *Staphylococcus aureus* at the University Hospital of the West Indies from January to December 2013. *W Indian Med J* 2014; 63 (Suppl. 4) page 50. (POSTER PRESENTATION at the 23rd Annual Faculty of Medical Sciences (FMS) Research Conference and Workshop on Evidence-based Practice – Bridging the Gap between the Bench, Bed and Beyond; November 2014)
- Goffe R, Nelson K, Benjamin-Johnson L, Roye-Green K. *Morganella morgani* and *Providencia* spp-potential threats in the future. 23 Annual Research Conference and Workshop, Faculty of Medical Sciences, 2014, Mona, Jamaica.
- Thoms-Rodriguez C, Mah-Lee R A, Roye-Green K, Nicholson AM. Epidemiological and bacteriological trends in diabetic foot infections over a ten-year period at the University Hospital of the West Indies. 23 Annual Research Conference and Workshop, Faculty of Medical Sciences, 2014, Mona, Jamaica.
- Christian N A, Reynolds G, Hardie R, Cooke J, Hoilett T, Nicholson A, Roye-Green, Charalambous B, McHugh T. Monitoring and surveillance of Gram-negative pathogens and their antibiograms at the University Hospital of the West Indies during 2011. 23 Annual Research Conference and Workshop, Faculty of Medical Sciences, 2014, Mona, Jamaica.
- Bruce-Mowatt A. Smikle M, Roye-Green K. Prevalence of high – level aminoglycoside resistance in *Enterococci* recovered from clinical specimen at the University Hospital of the West Indies. 23 Annual Research Conference and Workshop, Faculty of Medical Sciences, 2014, Mona, Jamaica.
- IE Vickers, A Robins, K Robinson, M Smikle, DAA Al'deen. The induction of pro-inflammatory cytokine by *Stenotrophomonas maltophilia*. *W Indian Med J* 2014; 63 (Suppl 4): page 32. (ORAL PRESENTATION at the 23rd Annual Faculty of Medical Sciences (FMS) Research Conference and Workshop on Evidence-based Practice – Bridging the Gap between the Bench, Bed and Beyond, Kingston, Jamaica, November 2014)

- IE Vickers, K Harvey, M Brown, K Nelson, M Bullock-DuCasse, JF Lindo. Evaluation of the Dengue DUO® rapid diagnostic kit in Jamaica. *W Indian Med J* 2014; 63 (Suppl 4): page32. (ORAL PRESENTATION at the 23rd Annual Faculty of Medical Sciences (FMS) Research Conference and Workshop on Evidence-based Practice – Bridging the Gap between the Bench, Bed and Beyond, Kingston, Jamaica, November 2014)
- B Josephs, D Taylor, J Carr, W Waugh, V Morris, G Mignott, IE Vickers. Rapid Diagnosis of enteric adenovirus using a commercial enzyme immunoassay at The University of The West Indies. *W Indian Med J* 2014; 63 (Suppl 4): page 26. (POSTER ORAL PRESENTATION at the 23rd Annual Faculty of Medical Sciences (FMS) Research Conference and Workshop on Evidence-based Practice – Bridging the Gap between the Bench, Bed and Beyond, Kingston, Jamaica, November 2014)

PUBLICATIONS

- Aiken WD, Anzinger JJ. Chikungunya Virus Infection and Acute Elevation of Serum Prostate-Specific Antigen. *Case Rep Urol.* 2015;2015:120535. doi: 10.1155/2015/120535. Epub 2015 Jun 17. PubMed PMID: 26167328; *PubMed Central PMCID*: PMC4488081.
- Palmer CS, Anzinger JJ, Zhou J, Gouillou M, Landay A, Jaworowski A, McCune JM, Crowe SM. Glucose transporter 1-expressing proinflammatory monocytes are elevated in combination antiretroviral therapy-treated and untreated HIV+ subjects. *J Immunol.* 2014 Dec 1;193(11):5595-603. doi: 10.4049/jimmunol.1303092
- Palmer CS, Ostrowski M, Balderson B, Christian N, Crowe SM. Glucose metabolism regulates T cell activation, differentiation, and functions. *Front Immunol.* 2015 Jan 22;6:1. doi: 10.3389/fimmu.2015.00001.
- Heslop, OD, De Ceulaer, K, Rainford, L., & Nicholson, A M. (2015). A case of *Candida orthopsilosis* associated septic arthritis in

a patient with Systemic Lupus Erythematosus (SLE). *Medical Mycology Case Reports*, 7, 1–3.

- Mowatt L, Jackson ST. Chikungunya in the Caribbean: An Epidemic in the Making. *Infect Dis Ther*. 2014 Sep 23
- Johnson N, Chatrani V, Taylor-Christmas AK, Choo-Kang E, Smikle M, Wright-Pascoe R, Phillips K, Reid M. Population Reference Values and Prevalence Rates following Universal Screening for Subclinical Hypothyroidism during Pregnancy of an Afro-Caribbean Cohort. *Eur Thyroid J*. 2014 Dec;3(4):234-9. doi: 10.1159/000367654.
- Reynolds-Campbell G, Nicholson A, Christian N, Hardie R, Cook J. Aminoglycoside Resistance in Clinical Isolates of Gram Negative Bacilli at the University Hospital of the West Indies, Jamaica: Comparison of Two Time Periods. *West Indian Med J*. 2015 Feb 12;64(2). doi: 10.7727/wimj.2014.040.
- Pinkney JA, Nagassar RP, Roye-Green KJ, Ferguson T. Abiotrophia defective endocarditis. *BMJ Case Rep*. 2014 Dec 17; 2014. pii: bcr2014207361. doi: 10.1136/bcr-2014-207361.
- Todd CD, Reyes-Batlle M, Martín-Navarro CM, Dorta-Gorrín A, López-Arencibia A, Martínez-Carretero E, Piñero JE, Valladares B, Lindo JF, Lorenzo-Morales J. Isolation and genotyping of Acanthamoeba strains from soil sources from Jamaica, West Indies. *J Eukaryot Microbiol*. 2015 May-Jun;62(3):416-21. doi: 10.1111/jeu.12197.
- Todd CD, Reyes-Batlle M, Piñero JE, Martínez-Carretero E, Valladares B, Lindo JF, Lorenzo-Morales J. Balamuthia mandrillaris therapeutic mud bath in Jamaica. *Epidemiol Infect*. 2015 Jul; 143(10):2245-8. doi: 10.1017/S0950268814002842.
- Vickers IE, Harvey KM, Brown MG, Nelson K, DuCasse MB, Lindo JF. The performance of the SD BIOLINE Dengue DUO® rapid immunochromatographic test kit for the detection of NS1 antigen, IgM and IgG antibodies during a dengue type 1 epidemic in Jamaica. *J Biomed Sci*. 2015 Jul 16;22:55. doi: 10.1186/s12929-015-0164-9.

DEPARTMENT OF OBSTETRICS & GYNAECOLOGY



Dr. Carole Rattray, MBBS, DM (O&G), FRCOG, FACOG
Head of Department

WORK OF THE DEPARTMENT

Department continues to make great strides in teaching and research and service activities. Following on our successful inaugural new format MBBS Clinical examinations (OSCE) across all four campuses in May/June 2014, we continued our successes in the November 2014 and May/June 2015 MBBS Examinations. We started new format examinations in the DM Examinations in December 2014 and this, along with the subsequent examinations in May/June 2015 were successful. Our Associate Lecturers from our affiliate accredited hospitals of Cornwall Regional Hospital, Mandeville Regional Hospital, Spanish Town Hospital and Victoria Jubilee Hospital and The May Pen Hospital continue to give indispensable support to the department as the numbers of undergraduate students continue to grow. Our services include general Obstetrics and Gynaecology, Reproductive endocrinology, Gynaecological Oncology, Perinatal services and Assisted Reproduction.

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 the annual conference in February of each year is run by the High Risk Obstetric team in collaboration with the Neonatologists and Neonatal Pathologists.

The Labour Ward and Postnatal Services are supervised by Drs. Leslie Samuels and Cathy Maddan who also teach undergraduate and postgraduate students as well as midwives in training.

We launched the first clinical Fellowship Programme in Materno-Fetal Medicine & Emergency Obstetrics in July 2015 with three (3) Fellows. The primary thrust of this fellowship programme is to train persons to lead High Risk Obstetric Teams & High Dependency Units across Jamaica.

ONCOLOGY UNIT

Dr. Taylor and Dr. Bambury are the two trained gynaecological Oncologists in the department and together with Dr. Rattray and Dr Mitchell, 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 two 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

Professor Joseph Frederick is the director of the Unit with Drs. Shaun Wynter, Vernon DaCosta, 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.

The official opening of the renovated Hugh Wynter Fertility Management Unit took place in November 2013. This state of the art building is now fully functional. It houses two operating suites equipped with a surgical robot, a lecture theatre and new in vitro fertilisation laboratories. This new unit will have facilities for video conferencing allowing for the transmission of live surgical procedures other campuses in the Caribbean.

INTERNATIONAL VISITORS TO THE DEPARTMENT

- 1) Professor Ray Bahado-Singh. External examiner May/June 2014
- 2) Dr Karolynn Echols – Urogynaecologist
- 3) Dr Kevin Hayes, External Examiner December 2014, Workshop on Item Writing

PAPERS PRESENTED

- **Fletcher, H.** “Reducing Gynaecological Malignancies in the region.” (Inaugural Presidential Lecture). Caribbean Gynecologic Cancer Society, 1st Annual Meeting, Hilton Hotel Bridgetown, Barbados, February 6–7, 2015.

- **Fletcher, H.** “Reducing Gynaecological Malignancies in the region.” National Cancer Institute (US) Center for Global Health: Caribbean Cancer Control Leadership Forum, Marriott Hotel, Barbados, May 11–13, 2015.
- **Fletcher, H.** “Upper Female Genital Tract Infections.” Obstetrics And Gynaecology Conference, Trinidad Hilton, Port-of-Spain, June 5, 2015.
- **Fletcher, H.** “Reducing Gynaecological Malignancies in the Caribbean.” 60th Annual CARPHA Conference, St. Georges University, St Georges, Grenada June 25–27, 2015.
- **Fletcher, H.** “Cervical Cancer and Gestational Diabetes In Jamaica.” Caribbean College of Family Physicians (Jamaica Chapter) Scientific Workshop on Evidence based Guidelines in Screening and Disease Prevention, Kingston, Jamaica, July 26, 2015
- **Wynter, S.** “Male Fertility Issues.” NFPB Sexual and Reproductive Health Conference 2014, Jamaica Conference Centre, Kingston, November 29–30, 2014.
- **Wynter, S., Francis, J., Stewart, C.** Joint Medico-Legal panel on: “Medical Aspects of Embryo Freezing (Cryo-Preservation in Fertility Management) & Assisted Reproductive Technology: What Every Trust/Probate and Administration Lawyer Should Know.” The Jamaica Bar Association, Annual Weekend Conference, Hilton Rosehall Resort & Spa, Montego Bay, November 15–16, 2014 and on June 6–7, 2015 at the UWI Regional Headquarters, Kingston, Jamaica.
- **Wynter, S.** “Ethical, Medico-legal and Regulatory Issues in ART.” HWFMU Annual Workshop supported by Ferring, UWI Mona, June 13, 2015.

PUBLICATIONS

Referred Journal Articles

- Thame MM, Hsu JW, Gibson R, Baker TM, Tang GJ, Badaloo AV, Fletcher HM, Jackson AA, Jahoor F. “Adaptation of in vivo amino acid kinetics facilitates increased amino acid availability for fetal growth in adolescent and adult pregnancies alike.” *Br J Nutr*. 2014 Dec 14;112(11):1779-86. doi: 10.1017/S000711451400292X. Epub 2014 Oct 17.
- Fletcher H, Dawkins J, Allison-Vaughan M. “Fatal End-stage Renal Failure Aggravated by Recurrent Uterine Fibroids.” *West Indian Med J*. 2014 Sep;63(5):554-5. doi: 10.7727/wimj.2014.043.
- Bassa B, Fletcher H, Chinnia J. “Leiomyosarcoma of the vagina in pregnancy.” *Eur J Gynaecol Oncol*. 2015;36(3):339–40.
- Simon GA, Fletcher H, Golden K and McFarlane-Anderson ND. “Isoflavone and lignan excretion and risk of uterine fibroid in Jamaican women.” *The American Journal of Clinical Nutrition*. Maturitas. 2015 Jul 17. pii: S0378-5122(15)30003-7. doi: 10.1016/j.maturitas.2015.06.041. [Epub ahead of print]
- Carole Rattray, Jeffrey Wiener, Jennifer Legardy-Williams, Elizabeth Costenbader, Karen Pazol, Natalie Medley-Singh, Margaret C. Snead, Markus J. Steiner, Denise J. Jamieson, Lee Warner, Maria F. Gallo, Tina Hylton-Kong, Athena P. Kourtis. “Effects of initiating a contraceptive implant on subsequent condom use: A randomized controlled trial”. *Contraception*. 2015 Jun 14. pii: S0010-7824(15)00247-4. doi: 10.1016/j.contraception.2015.06.009.
- Baker, Hunter, Okun, Farine. “Current practices in the prediction and prevention of preterm birth in patients with higher-order multiple gestations”. *Am J Obstet Gynecol*. 2015 May;212(5):671.e1-7

INCOME GENERATION

Horace Fletcher

- 2015 Prevention of Mother and Child Mortality, 1 Million Euro

Dr. Donnette Simms-Stewart

- Twin Birth Study – US\$ 60,000
- FACT trial – US\$10,000

AWARDS

Professor Horace Fletcher

- 1 Elected first President of the Caribbean Gynecologic Cancer Society, In Appreciation for his leadership in the treatment of women with Gynecologic Cancer, Bridgetown, Barbados, February 6, 2015.
- 2 CARPHA award for Outstanding contribution in the area of Obstetrics and Gynaecology Research, CARPHA Conference, St Georges University, St Georges, Grenada, June 27 2015.

Dr. Tiffany Hunter Greaves

Fellowship certificate received – University of Toronto – Maternal Fetal Medicine

PUBLIC SERVICE

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 of The University Hospital Procurement Committee
- President of the Caribbean Gynecologic Cancer Society
- Peer Reviewer for the following journals:

British Journal of Medicine and Medical Research,

Journal of Obstetrics and Gynaecology,

International Journal of Obstetrics and Gynecology; and

West Indian Medical Journal.

Dr. Tiffany Hunter Greaves

- Member, PROMAC Committee

Dr. S Kulkarni

- Member, Jamaica MOH Maternal Mortality Audit Committee
- Member, Jamaica MOH Patient Affairs Audit Committee

Dr. Carole Rattray

- Vice President, the Caribbean Gynecologic Cancer Society
- Chairman, Ministry of Health Maternal Mortality Committee

Dr. Donnette Simms-Stewart

- Vice President, American College of Obstetrics and Gynaecology, Section 4, West Indies Chapter
- Vice Chairman, ACOG, West Indies Section

STUDENT AWARDS/PRIZES

Abigail Morris – MBBS Medal in Obstetrics & Gynaecology, June 2015

DEPARTMENT OF PATHOLOGY



Dr. Gilian Wharfe
Head of Department

The Department of Pathology has a staff complement of approximately 100 persons comprising Professors, Senior Lecturers, Lecturers, Associate Lecturers, and other categories of staff comprising medical and laboratory technologists, miscellaneous administrative, secretarial and clerical staff, research nurse, medical photographers, laboratory attendants, and office attendants.

The Department's core work involves teaching, research and service and is carried out through the various subdepartments, namely, Anatomical Pathology (Autopsy, Cytogenetics, Cytology, Histology, Immunohistochemistry), Chemical Pathology and Haematology (Blood Bank, Flow Cytometry and Routine Haematology).

The Department tries its best to supplement the limited UGC budget allocated through income generation efforts which mainly comprise outpatient fees. This still limits our ability to function as the majority of our fees are due from in-patients and this is not collected by UWI.

WORK OF THE DEPARTMENT

Laboratories and Autopsy Service

Due to financial constraints reagents and other important supplies are constantly not available, and this hampers the ability to earn revenue from laboratory services.

However, the laboratories and autopsy services continued to provide support for the care of in- and outpatients of the UHWI, as well as to patients from other medical facilities and institutions in Jamaica and the region.

The Histopathology Laboratory accessioned and processed 5,786 surgical cases which generated 29,352 tests (including routine histology and immunohistochemical requests). The Cytology Laboratory processed 3365 pap smears and 820 non-gynaecological cases. A total of 208 autopsies were performed, including 28 perinatal autopsies. The Chemical Pathology Laboratory performed a total of 610,194 tests while Routine Haematology Laboratory received and processed 71,920 specimens. The Blood Bank processed 3,872 blood donors and performed 23,876 tests.

Histology Lab – Introduction of New Technique

Ms Joyce Sterling, Medical Technologist, attended the 40th Annual National Society for Histotechnology Symposium/Convention, Austin, Texas, USA, August 2014, where she learnt a Frozen technique (Sandwich Method). The technique yields better quality sections and produces faster results which will allow for quicker turnaround time and greater efficiency. The technique has been taught to other Medical Technologists in the Histology Section and is to be included in the SOP manual as the method of choice for Frozen sections.

Laboratory Information System

Laboratory Information System (LIS) went live in February 2015 with three labs (Blood Bank, Haematology and Chemical Pathology) almost

fully utilizing the system while the other two (Histology and Cytology) are working on improving access to the system.

Accreditation

The process for accreditation of our laboratories continues but not without encumbrances. The preparation for accreditation of the laboratories in the Department of Pathology [from the Jamaica National Agency for Accreditation (JANAAC)] has been negatively impacted over the years due to the absence of an appointed quality manager and support from UWI management.

Mrs. Julene Smith-Valentine, Senior Medical Technologist in the Sub-Department of Haematology has been assisting with the preparation of documents such as the Quality and Safety Manuals. These documents are presently being reviewed. Application for accreditation is expected to be made by December 2015. Without accreditation we are unable to attract international collaborators on research projects.

TEACHING & LEARNING

Undergraduate Programmes

The Department continued to be very heavily involved in the teaching of all aspects and sub-specialties of Pathology in both Stages I and II of the MBBS programme. There were a record number of Elective students who came to the Department during their training.

Graduate Programmes

The DM Programmes in Pathology continue to be attractive necessitating a cap on enrollment with Anatomical Pathology having 17 enrolled. Five residents successfully completed the programmes and others are progressing well.

The DM Programme in Haematology/Oncology has twelve registered candidates while the DM in Chemical Pathology has one trainee.

Chemical Pathology introduced a PhD and a Master's programme.

Several members of staff were involved in the supervision and teaching of MPhil, MSc and PhD candidates.

RESEARCH & INNOVATION

Jamaica Cancer Registry

The registration of cancers continues, but has been hampered by the decrease in complement of registrars from two to one, as the post which became vacant in January 2014. Efforts are being made to employ a new registrar.

International Agency for Research on Cancer (IARC) commitments

The International Agency for Research on Cancer (IARC) has invited cancer registries to submit incidence data for the eleventh volume of "Cancer Incidence in Five Continents", which will cover the 5-year period 2008–2012, and the registry has been verifying and compiling the necessary data for this submission.

The data verification process for our 2008–2012 cases will also facilitate the compilation of the 2008–2012 5-year incidence report for submission to the *West Indian Medical Journal*.

Research

The JCR continues to support the Elective programme in the undergraduate M.B.,B.S. curriculum, accommodating medical students, who participate in supervised research projects. The projects completed during the period August 1, 2014–July 31, 2015, are listed below, along with the names of the participating students:

- **October 2014**

Trends in incidence, age-distribution and histological subtype of endometrial cancer in Kingston and St. Andrew (KSA), Jamaica over the 20-year period (1988-2007).

Department of Pathology

Medical students: Zachary Banbury, Brittany Bromfield & Kory Jaggon

- **November 2014**

Evaluation of the incidence and distribution of histological subtypes of nasopharyngeal carcinoma in Kingston and St. Andrew, Jamaica, 1978–2007.

Medical students: Michael Basir and Julian Dunkley

- **March 2015**

Demographic patterns of follicular and papillary carcinoma and their association with thyroiditis in Kingston and St. Andrew, Jamaica. 1993–2007.

Medical students: Koy Bailey, Soyini Jackson & Racquel Shaw

- **May/June 2015**

A review of extranodal lymphomas in Jamaica, 1973–2007.

Medical student: Rojae Hazel

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 and guide health care planning.

Cytogenetics Laboratory

For most of the period under review, the services of the Cytogenetics Laboratory were suspended, due to the absence of its sole technologist, Ms. Loraine Gardner, who was on a course of study in the United Kingdom.

Ms. Gardner has now returned, and the laboratory resumed operation in May 2015. During the period May 2015–July 31, 2015, the laboratory performed routine karyotyping on six (6) samples of peripheral venous blood.

It is expected that validation procedures for fluorescence in situ

hybridization (FISH) and for karyotyping on bone marrow, solid tissue (including solid tumours) and amniotic fluid samples, will commence at the end of 2015, and the laboratory should begin processing samples for these new tests in early 2016.

INITIATIVES/ACTIVITIES

- Sick Kids Caribbean initiative continues with establishment of the registry for enrolling new cases of cancer in children.
- NNHF activity: Haemophilia training workshop held to train nurses, physiotherapists, technologists and physicians in the care of persons with Haemophilia. This initiative was done in collaboration with Sick Kids Hospital in Toronto – November 2014. This project continues with its goals of: 1. Developing the Haemophilia registry and 2. Expanding the diagnostic capability of the Haematology laboratory and 3. Enhancing advocacy
- Staff pursuing a course in Bioethics Research conducted by Union College, New York – started April 2015
- HTLVI project continues to do research in the care of patients with ATLL

PhD Candidate

Doctoral candidate and Chief Medical Technologist, Histology Section, Sharon Harrison, was conferred her degree in July 2015 following acceptance of submission and completion of research entitled “The Detection of all High-Risk Human Papillomavirus DNA in Archival Formalin-Fixed Paraffin-Embedded Cervical and Head and Neck Squamous Cell Carcinoma Tissue using Immunohistochemistry and Polymerase Chain Reaction”. Principal supervisor for her PhD research project was Professor Carlos Escoffery.

Research Fellowship

Dr Rory Thompson who was awarded a fellowship position at the

Toronto General Hospital, with the assistance of the Dean's Office, Faculty of Medical Science, has completed his training and is to assume the role of Consultant in the 2015/2016 academic year.

PAPERS PRESENTED AT CONFERENCES AND SEMINARS

Poster presentations

- **Chin SN** et al “Locally Advanced Breast Cancer in a Jamaican population: disease characteristics and response to neoadjuvant chemotherapy”, Faculty of Medical Sciences Research Day, University of the West Indies, Mona, February 2015
- **Chin SN** et al “Breast cancer receptor profiles in Jamaica: a 6-year analysis”, Faculty of Medical Sciences Research Day, University of the West Indies, Mona, February 2015
- **Sterling J**, “The Impact of Heat Retrieval on the Quality of Immunohistochemical Staining at UHWI”. The 40th Annual National Society for Histotechnology Symposium/Convention, Austin, Texas, USA, August 2014.

Presentations

- **Boma-Fischer L**, **Hilliard P**, **Adler E**, **Lowe Y**, **Wharfe G**. “Evaluation of a haemophilia joint health training workshop for physiotherapists in Kingston, Jamaica.” The 14th WFH International Musculoskeletal Congress, Belfast, Northern Ireland, Hilton Belfast, May 7–10, 2015.
- **Gibson TN**. “Registries and their role in research”. Faculty of Medical Sciences Annual Research Conference and Workshop, Kingston, Jamaica, November 2014
- **Gibson TN**. “Incidence of head and neck cancer in Jamaica”. 4th Scientific Meeting of the Jamaica Association of Otolaryngologists – Head & Neck Surgeons, Kingston, Jamaica, November 2014
- **Bishop K**, **Hanchard B**, **Claire A**. “HTLV-1 infection in children”

30th International Congress of the International Academy of Pathology, Bangkok, Thailand, October 5–11, 2014

- **Bishop K, Lewis E.** “Perinatal Pathology Report January – December 2014” 14th Annual Perinatal Conference, Faculty of Medical Sciences, University of the West Indies, Mona, February 21–22, 2015
- **Bishop K.** “Perinatal Pathology Report January – December 2014: Analysis of Data” 14th Annual Perinatal Conference, Faculty of Medical Sciences, University of the West Indies, Mona, February 21–22, 2015

PUBLICATIONS

Books & Monographs

- **D. McGrowder** and R. Bishop “An evaluation of laboratory information systems in medical laboratories in Jamaica”. In *Laboratory Management Information Systems: Current Requirements and Future Perspectives*. Ed. by Moutzoglou, Anastasius, Kastania, Anastasia and Archondakis, Stavros. Hershey, PA: Published by Medical Information Science Reference, 2015. xiv, 280–296

Refereed Journal Articles

- Adler E, Alexis C, Ali Z, Allen U, Bartels U, Bick C, Bird-Compton J, Bodkyn C, Boyle B, De Young 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, Thame M, Weitzman S, **Wharfe G**, Blanchette V. “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* (2015): 209
- George S, Donenberg T, Akbari, M, Alexis C, Dyer H, **Wharfe G**, et al “Demographics of breast cancer in a small cohort of women in the Caribbean” *West Indian Medical Journal Supp* 64, 2 (2015):48

- Crawford T, **McGrowder D**, Barnett, J, Shaw-Sanderson J. “Epidemiological features of violence-related injuries in Jamaica”. *Journal of Clinical and Diagnostic Research* 8, 11 (2014): JC01 – JC04.
- Thomas P, Gossell-Williams M, Sewell C, Abel W, **McGrowder D**, Martin J. “Dosing of antipsychotic drugs for patients admitted with cannabis history and psychotic disorder at the UHWI”. *West Indian Medical Journal Open* 3, 1 (2015).
- Facey A, **Dilworth L**, Irving R. “Adipocytic Contribution to Lactate Production in Male Athletes of West African Descent”. *New Studies in Athletics* 29, 3 (2014):57–64
- Stennett D, Oladeinde F, Wheatley A, Bryant J, **Dilworth L**, and Asemota H “Effects of Dioscorea polygonoides (Jamaican bitter yam) supplementation in normocholesterolemic and genetically modified hypercholesterolemic mice species”. *Journal of Food Biochemistry*. 38, 1 (2014) 28–37
- **Dilworth L**, Omoruyi FO, Asemota HN. “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 (2015): 53–58
- Jackson M, Tulloch-Reid M, Lindsay C, Smith G, **Bennett F**, McFarlane-Anderson N, Aiken W, **Coard K**. “Both serum 25-hydroxyvitamin D and calcium levels may increase the risk of incident prostate cancer in Caribbean men of African ancestry”. *Cancer Medicine* (2015): doi: 10.1002/cam4.457
- Liburd CG, **Gibson TN**, **Hanchard B**, Waugh N, **McNaughton D**. “Cutaneous malignant melanoma in Jamaica, 1958 to 2007”. *West Indian Medical Journal* 63,7 (2014):717-20. E-published ahead of print.
- **Chin SN**, Foster T, **Char G**, Garrison A. “Concomitant Urothelial Cancer and Renal Tuberculosis”. *Case Reports in Urology* 2014 (2014):625153.

- **Chin SN, Green C, Gordon-Strachan G, Wharfe G.** “Locally Advanced Breast Cancer in Jamaica: prevalence, disease characteristics and response to preoperative therapy”. *Asian Pacific Journal of Cancer Prevention* 15, 7 (2014): 3323-6.
- **Chin SN, Green C, Gordon-Strachan G, Wharfe G.** “The clinicopathologic characteristics of breast cancer at an urban academic hospital in Kingston, Jamaica”. *Asian Pacific Journal of Cancer Prevention* 15, 7 (2014):3319-22.

Refereed Journal Abstracts

- **Dilworth L, Tapper M, McGrowder D, Thompson R.** “Chemical composition of urinary tract calculi assessed in a teaching hospital”. Faculty of Medical Sciences – 23rd Annual Research Conference and Workshop on Evidence-based Practice – Bridging the Gap between the Bench, Bed and Beyond. November 5–7, 2014. The University of the West Indies, Mona, Kingston, Jamaica. *West Indian Medical Journal*, 63 (Suppl.4): 58
- **Bishop KL, Hanchard B.** “HTLV-1 infection in children”. *Pediatric and Perinatal Pathology: SY21-4 Pathology*. 2014 Oct;46 Suppl 2:S35. doi: 10.1097/01.PAT.0000454204.29699.72.

PUBLIC SERVICE

Dr. D. McGrowder

- President, Jamaican Association of Clinical Pathologists
- Vice President, Laboratory Association of Jamaica.
- Member, Accreditation Evaluation Committee, Jamaica National Agency for Accreditation (JANAAC)

Professor B. Hanchard

- Member, Board of Directors, Jamaica Cancer Society
- Cytopathology Consultant, Jamaica Cancer Society

Department of Pathology

Dr K Bishop

- Cytopathology Consultant, Jamaica Cancer Society

Dr M Bromfield

- Cytopathology Consultant, Jamaica Cancer Society

Professor C Escoffery

- Cytopathology Consultant, Jamaica Cancer Society

Dr T Gibson

- Cytopathology Consultant, Jamaica Cancer Society

Dr L Dilworth

- Member, UHWI Ebola Preparedness and Response Committee
- Member, University Council of Jamaica, Evaluation and Accreditation team responsible for re-evaluating the BSc Biochemistry course offered by the Northern Caribbean University for reaccreditation

Dr S Chin

- Treasurer, Association of Consultant Physicians of Jamaica
- Member, American Society of Clinical Oncology
- Member, Caribbean Association of Oncology and Haematology
- Member, Medical Association of Jamaica
- Journal Review Committee – *Gynecologic Oncology* and West Indian Medical Journal

INCOME GENERATION

A total of \$47,937,707.24 was earned with the large majority of that amount being out-patient and Tony Thwaites Wing patient fees. Other income were:

- Contribution to Consultation Fund from private cases

- Caribbean Public Health Agency (CARPHA) grant for immunohistochemistry in acute promyelocytic leukemia (APL)
- Novo Nordisk Haemophilia Foundation (NNHF) Grant

DISTINGUISHED VISITOR TO THE DEPARTMENT

- Dr. Alfredo E. Walker, Forensic Pathologist, Ottawa Hospital, Ontario, Canada
- Dr Paul Manley, Department of Pathology& Molecular Medicine, Queen's University, Ontario, Canada
- Dr. Stephen Morley, Toxicology Unit, Leicester Royal Infirmary, Leicester, England
- Dr Joseph Willis, Department of Pathology, Case Medical Center, Case Western University, Ohio, USA

AWARDS

Students – Undergraduate

- Janelle-Cheri Millen – Pathology/Microbiology Medal – Best Overall Performer
- Janelle-Cheri Millen – Professor Stanley Brooks Book Prize – Best Overall Performer (Pathology)

DEPARTMENT OF SURGERY, RADIOLOGY, ANAESTHESIA & INTENSIVE CARE



**Professor Newton Duncan, MBBS, DM (General Surgery), FACS
Head of Department**

WORK IN THE DEPARTMENT

The Department of Surgery, Radiology, Anaesthesia and Intensive Care (SURRADIC) is the largest clinical department in the Faculty of Medical Sciences. Specialists in various medical disciplines oversee Doctor of Medicine postgraduate programmes in General Surgery, Orthopaedics, Neurosurgery, Urology, Paediatric Surgery, Cardiothoracic Surgery, Ophthalmology, Otorhinolaryngology, Radiology, Anaesthesia and Emergency Medicine. Academic Staff members serve as mentors to physicians and surgeons in training and also lecture to students enrolled in nursing, physiotherapy and pre-hospital emergency health care.

During the 2014–2015 academic year, over 1200 undergraduate and post graduate students rotated through the Department receiving varying

degrees of instruction. There has been a general move to widen the clinical experience of medical students by increasing the number of government hospitals offering undergraduate clinical clerkships. The St Ann's Bay and Spanish Town Hospitals are now undergraduate clinical sites for academic surgery instruction. The number of Overseas Elective students continue to increase with the surgical specialties being the most popular choice for elective students. These elective students generally are integrated into clerkships which usually extend over a 5 or 10-week period. Elective students now hail from France, China, Germany, United Kingdom, United States of America and from other Caribbean islands.

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 2015, after which it is anticipated that the first candidates to be trained will be selected. This programme falls under the direction of Dr. Shuvra Dasgupta newly appointed Lecturer and Consultant in Emergency Medicine. Mr Ryan Rufus will complete training towards a BSC Paramedic Degree in 2016 and will be a critical resource person working along with Dr Dasgupta in this degree programme.

The Department hosted in July 2015, the 14th JMMB Group and Joan Duncan Foundation sponsored, William Dennis Memorial Lecture. The Lecture was chaired by Professor Barrie Hanchard and was delivered by Tracy Robinson, Senior Lecturer in the Faculty of Law, UWI, Mona. Ms. Robinson is a member of the Inter-American Commission on Human Rights. Ms. Robinson lecture was entitled, "Human Rights, Health and the Medical Profession in the Twenty-First Century: Human Rights as a Bedrock for Patient Care".

The 13th staging of the Caribbean Neurosciences Symposium and Charity Golf Tournament was held in January 2015 at the Montego Bay Convention Centre and Half Moon Hotel and Resort. This conference again was the result of the collaborative efforts of Dr. Carl Bruce and Professor Ivor Crandon. The funds garnered from this conference were used to purchase a video laryngoscope which will be handed over to the Section of Anaesthesia in November 2015.

The Section of Anaesthesia & Intensive Care, as part of its continuing education programme conducted a workshop in April 2015 under the theme, “Ultrasound-guided Regional Anaesthesia, Pain Management & Vascular Access”. Participants included Consultants and Residents in Anaesthesia, Orthopaedic Surgery, Accident & Emergency Medicine and General Surgery drawn from the English speaking Caribbean. The Section of Anaesthesia also staged its Annual Residents’ Symposium under the theme “End Stage Renal Disease (ESRD): The Current Challenge, the Future Outlook”.

DEPARTMENTAL STAFF MOVEMENTS

Promotions

Dr. Annette Crawford-Sykes – Senior Lecturer

Dr. Belinda Morrison – Lecturer Above Bar

Dr. Shuvra Dasgupta – Lecturer To Bar

Dr. Wayne Palmer – Lecturer Above Bar

Employee Development

- Masters in Epidemiology
 - Dr. Patrick Roberts – Completed
 - Dr. Leo-Paul Powell – Enrolled
 - Dr. Wayne Palmer – Enrolled
- Phd
 - Dr. Belinda Morrison - Commenced April 2015 with TMRI
- TMRI Fellowship
 - Dr. Deanne Soares
- Fellowship
 - Dr. Peter Johnson – Neuro-intervention: Schulich School of Medicine and Dentistry, Western University, Ontario, Canada

The Department maintains three Academic Research Registries:

1. **The Trauma Registry**

Of over 19,100 records which continues to provide ample research material for injury related studies.

2. **The Intracranial Tumour Registry**

Consisting to date of over 800 patient records, utilising the software CNEXT. This is a collaborative effort between the Neurosurgery Service in the Section of Surgery, the Section of Radiology and the Department of Pathology. This Registry is funded through the Principal's Fellowship Initiative. The 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. This data allows for evidence-based research in the diagnosis and treatment of colon cancer. To date over 960 cases have been recorded.

PAPERS PRESENTED

Major conferences / seminars

- **L Mowatt**, “Diabetics Retinopathy”, World Sight Day, Medical Physician Symposium, UWI, FMS, Med Lecture Theatre, Oct 2014
- **D Swaby**, “Glaucoma” World Sight Day Medical Physician Symposium, UWI, FMS, Med Lecture Theatre, Oct 2014
- **S Peart, L Mowatt**. “OT Efficiency in the Eye Unit”, UHWI. Sept 19th 2014. Department of Surgery Research Day, FMS Complex Sept 2014
- **L Mowatt**, “Non Organic Visual Loss”, Caribbean Neurosciences Symposium (CANS), Montego Bay Conference Center, Jamaica, Feb 1, 2015
- **L Mowatt**, “Diabetes and the Eye” UWI Research Day, FMS Medical Complex, UWI, Mona Feb 11, 2015

- **L Mowatt**, “Macula Dystrophies revisited”, Ophthalmological Society of Jamaica (OSJ) Symposium, Jamaica Pegasus, Kingston, March 22, 2015
- **L Mowatt**, “Help a patient with an IOFB just walked in! What to do?” Ophthalmological Society of Jamaica (OSJ) Symposium, Jamaica Pegasus, Kingston, March 22, 2015
- **D Swaby**, “Selective Laser Trabeculoplasty: How I do it” Ophthalmological Society of Jamaica (OSJ) Symposium, Jamaica Pegasus, Kingston, March 22, 2015
- **D Swaby**, “Penetrating Keratoplasty” Ophthalmological Society of Jamaica (OSJ) Symposium, Jamaica Pegasus, Kingston, March 22, 2015
- **T Foster, L Mowatt**, “Impact of Visual Impairment on the Quality of Life of Diabetics (UHWI)” Ophthalmological Society of Jamaica (OSJ) Symposium, Jamaica Pegasus, Kingston, March 22, 2015
- **K Anderson, L Mowatt**, “Severity and Incidence of ROP at UHWI” Ophthalmological Society of Jamaica (OSJ) Symposium, Jamaica Pegasus, Kingston, March 22, 2015
- **L Mowatt**, “Common Paediatric Eye Emergencies”, Paediatric Association of Jamaica Conference, FMS Complex, UWI, April 18, 2015
- **L Mowatt**, “Optical Coherence Tomography, What is on the Horizon” Ophthalmological Society of the West Indies, (OSWI) Santa Barbara Beach Resort, Curaçao, July 8–11, 2015
- **L Mowatt**, “DM Ophthalmology – 10 years Strong” Ophthalmological Society of the West Indies, (OSWI), Santa Barbara Beach Resort Curaçao, July 8–11, 2015
- **G Crossman**. “UWI Ophthalmology Residency Program: A Resident’s Perspective” Ophthalmological Society of the West Indies, (OSWI), Santa Barbara Beach Resort Curaçao, July 8–11, 2015
- **S Peart, L Mowatt**. “Efficiency of Patient Flow in the Ophthalmic Theatre at the University Hospital of the West Indies” Ophthalmological

Society of the West Indies, (OSWI), Santa Barbara Beach Resort
Curacao July 8–11, 2015

- **D Richardson, A Mattis.** “Progressive Outer Retinal Necrosis in an AIDS patient” Ophthalmological Society of the West Indies, (OSWI), Santa Barbara Beach Resort Curaçao, July 8–11, 2015
- **G Crossman,**” Atypical Presentation of Optic Neuritis in an Adult” Ophthalmological Society of the West Indies, (OSWI), Santa Barbara Beach Resort Curaçao, July 8–11, 2015
- **V Jordan, A Ramsay, C Green.** Frozen Stares.” A Case of Bilateral Orbital Apex Syndrome” Ophthalmological Society of the West Indies, (OSWI), Santa Barbara Beach Resort Curaçao July 8–11, 2015
- **B Morrison** “Who gets prostate cancer” Jamaica Cancer Society Annual Prostate Cancer Public Forum, September 21, 2014
- **B Morrison** “Testosterone Treatment” Barbados Association of Medical Practitioners (BAMP) Annual Symposium, November 15, 2014
- **B Morrison** “Erectile Dysfunction” National Family Planning Institute – Sexual and Reproductive Health Conference, November 30, 2014
- **B Morrison** “Androgen Deprivation Therapy and Prostate Cancer” Caribbean Association of Neurosurgeons (CANS), January 31, 2015
- **B Morrison** “Common Urological Conditions in Family Medicine” Jamaica Urological Society Annual Symposium, February 22, 2015
- **B Morrison** “Cancers in Jamaica: 60 years and beyond” Jamaica Cancer Society’s 60th Anniversary Lecture, April 20, 2015
- **B Morrison** “Testosterone treatment – is it a hype” Association of Surgeons of Jamaica Annual Conference”, Jamaica Pegasus Hotel, May 23, 2015
- **B Morrison** “Prostate Cancer – a case report” Medical Association of Jamaica Annual Conference, Jamaica Pegasus Hotel, June 12, 2015

- **B Morrison** “Erectile Dysfunction: A Pointed Urologist’s Approach” Percy Junior Hospital Inaugural Conference, Northern Caribbean University, June 29, 2015
- **W Aiken**, “Screening and Diagnosis of Prostate Cancer” Jamaica Cancer Society Annual Prostate Cancer Public Forum, September 21, 2014
- **W Aiken** “Updates on Prostate Cancer” Association of Surgeons of Jamaica Annual Conference Jamaica Pegasus Hotel, May 23, 2015
- **W Aiken** “Evidence-based guidelines in Screening and Disease Prevention” Caribbean College of Family Physicians, Jamaica Pegasus Hotel, July 26, 2015
- **S Robinson, A. Crawford-Sykes and HE. Harding.** “Knowledge, Attitudes & Practices of Physicians in the Southern & Southeastern Regions of Jamaica Regarding the Inter-hospital Transfer of Critically ill Patients to KPH” Jamaica Anaesthetists’ Association, Oct 2014
- **MD Scarlett.** “Medical Marijuana: Potential for use In Anaesthesia & Intensive Care “Jamaica Association of Nurse Anaesthetists, Oct 2014.
- **MD Scarlett.** Complications in Anaesthesia: What should we tell patients? Jamaica Association of Nurse Anaesthetists. Oct 2014
- **P. Jason Toppin.**” Review of Resuscitation Fluids in Critical Care”, CANS , Jan 2015
- **P. Jason Toppin.** “The Long Term Significance of Concussion”, CANS , Jan 2015
- **R. Johnson, H. Harding.** “Anaesthesia for an Awake Craniotomy”, CANS , Jan 2015
- **N. Stephens, H. Harding.** “Evaluation of Disorders of Sodium in the ICU”, CANS, Jan 2015,
- **P. Jason Toppin.** “A Risk Benefit Analysis of General vs Regional Anaesthesia” Jamaica Orthopaedic Association Annual conference , Jan 2015

- **C. Maycock** “Ebola-highlighting the Approach to Dangerous Infectious Diseases” to PHEMS Grand Rounds, October 2014
- **C. Maycock** “Crisis Management are we prepared for the Ebola virus” Jamaica Anaesthetic Association Annual Conference, November 2014
- **EW Williams** Workshop for Family Medicine Residents, January 2015
- **EW Williams** “Updates on the Advanced Trauma Life Support Course (ATLS)” on behalf of the Jamaica Emergency Medicine Association (JEMA) at Cornwall Regional Hospital February 2015.
- **R. Hutson** ‘STEMI mimics” JEMA week presentation to the staff at the Anotto Bay Hospital, March 2015
- **JA Williams Johnson** “Household Poisons” Caribbean Poison Information Network Annual Conference, May 2015
- **JA Williams Johnson** “The Athletes Heart: What Every Emergency Physician Should Know” Grand Rounds, St. Augustine Campus, Trinidad and Tobago, June 2015
- **MEC McFarlane, JM Plummer, PA Leake, NP Williams, D Ferron-Boothe, N Meeks-Aitken** “Colorectal Cancer in Jamaica: Patterns and Anatomical Distribution”, 23rd Annual Research Conference of the Faculty of Medical Sciences, November 2–7, 2014, University of the West Indies, Jamaica
- **JM Plummer, PA Leake, D Ferron-Boothe, PO Roberts, DI Mitchell, MEC McFarlane** “Long-term Survival from Colorectal Cancer in Jamaica”, 23rd Annual Research Conference of the Faculty of Medical Sciences, November 2–7, 2014, University of the West Indies, Jamaica
- **PA Leake, N Williams, D Ferron-Boothe, N Meeks-Aitken, MEC McFarlane, JM Plummer** “Clinicopathologic Characteristics of Rectal Cancer in Jamaica”, 23rd Annual Research Conference of the Faculty of Medical Sciences, November 2–7, 2014, University of the West Indies, Jamaica

- **JM Plummer, NP Williams, D Ferron-Boothe, PA Leake, N Meeks-Aitken, MEC McFarlane, J East** “Surgical Quality in Colorectal Cancer”, 23rd Annual Research Conference of the Faculty of Medical Sciences, November 2–7, 2014, University of the West Indies, Jamaica
- **Sartelli M, Moore FA, Ansaloni L, Di Saverio S, Coccolini F, Griffiths EA, Coimbra R, Agresta F, Sakakushev B, Ordoñez CA, Abu-Zidan FM, Karamarkovic A, Augustin G, Costa Navarro D, Ulrych J, Demetrashvili Z, Melo RB, Marwah S, Zachariah SK, Wani I, Shelat VG, Kim JI, McFarlane M, Pintar T, Rems M, Bala M, Ben-Ishay O, Gomes CA, Faro MP, Pereira GA Jr, Catani M, Baiocchi G, Bini R, Anania G, Negroi I, Kecbaja Z, Omari AH, Cui Y, Kenig J, Sato N, Vereczkei A, Skrovina M, Das K, Bellanova G, Di Carlo I, Segovia Lohse HA, Kong V, Kok KY, Massalou D, Smirnov D, Gachabayov M, Gkiokas G, Marinis A, Spyropoulos C, Nikolopoulos I, Bouliaris K, Tepp J, Lohsiriwat V, Çolak E, Isik A, Rios-Cruz D, Soto R, Abbas A, Tranà C, Caproli E, Soldatenkova D, Corcione F, Piazza D, Catena F. A.** “WSES Working Group on Acute Diverticulitis” Presented at the 3rd Annual Congress of the World Society of Emergency Surgery, Jerusalem, Israel July 5–8, 2015
- **N Morrison-Levy, A Rankine- Mullings, M Reid, Deanne Soares, L King, S. Ali, KAlfred, M.Wisdom-Phipps, T Royal-Thomas, T Baker, J Knight-Madden** ‘High Transcranial Doppler velocities associated with lower haemoglobin, low oxygen saturation and younger children with Sickle Cell disease: The Jamaican Experience’. Annual Faculty Research Conference, UWI Mona Nov, 2014
- **A Forbes-Chang, D Soares** “Paediatric Head CT Dose at the University Hospital of the West Indies (UHWI): A Retrospective Review”, Annual Faculty Research Conference, UWI Mona Nov, 2014
- **W West, D. Brady-West** “The High Percentage of Positive Computed Tomography Pulmonary Angiograms (CTPAs) at the University Hospital of the West Indies.” Annual Faculty Research Conference, UWI Mona Nov, 2014

- **W West** “Obesity is Associated with Significantly Increased Risk of Lumbar Degenerative Disk Disease on MRI” Annual Faculty Research Conference, UWI Mona Nov, 2014
- **W. West, K. West** “Presence of Oedema on MRI in the Lumbar subcutaneous Fat of Adults with no History of Cardiac, Renal or Hepatic Disease is Significantly Associated with Obesity.” Annual Faculty Research Conference, UWI Mona Nov, 2014

POSTER PRESENTATION

- Nickecia Campbell, **Simone French, Eric Williams**. “Epidemiology of acute poisoning in the Emergency Department at the University hospital of the West Indies a five year retrospective review”. UWI Research Day, February 2015.
- Tania Taylor, **Jean William-Johnson, Carole Lindsay**. “The level of substance use in Jamaican Teenagers and young adults presenting to an Emergency Department in the parish of St Andrew: an assessment of the University Hospital of the West Indies” UWI Research Day, February 2015.
- **T Goulbourne, L Vaughan, L Mowatt**, “Retinoblastoma: Challenges in Management” Ophthalmological Society of the West Indies, (OSWI), Santa Barbara Beach Resort Curacao July 8–11th 2015

Refereed Journal Articles

- **Mowatt L, Jackson ST**. “Chikungunya in the Caribbean: An epidemic in the making” . *Infect Dis Ther*. 2014 Sep 3(2);63-68
- **Mowatt L**. “Epidemiology of pediatric ocular trauma admissions.” *Surv Ophthalmol*. 2014 Jul-Aug;59(4):480
- **Nelson-Imoru JC, Mowatt L, Walters CA**. “Patterns of Ocular Trauma Presenting to the University Hospital of the West Indies in Jamaica.” *West Indian Med Journal*. Open access August 2014. Vol 1, Issue 2 DOI: 10.7727/wimjopen.2014.096<http://www.mona.uwi.edu/wimjopen/article/70>

- **Mowatt L** “Non-adjuvant Single Low Dose Bevacizumab Intravitreal Injection Causes Resolution of Choroidal Metastases from Breast Carcinoma” Vol 1, Issue (2) *West Indian Med Journal Open access* August 2014 Issue: Vol 1, Issue 2 (2014) DOI: 10.7727/wimjopen.2014.112 <http://myspot.mona.uwi.edu/wimjopen/article/1592>
- **Johnson PB**, Cawich SO. Correspondence: Re: Variants of hepatic arterial supply in a Caribbean population: A computed tomography based study. A reply. *Clinical Radiology* 69 (2014) e58-59
- **Soares D, Bullock R**, Ali S. Moya Moya Syndrome in Sickle Cell disease: A case of recurrent stroke *BMJ case Reports*. (Resubmitted 11th July 2014, Published Aug 2014)
- **Morrison BF**, Thompson EB, **Shah S**, Wharfe GH. “Ischaemic Priapism and Glucose-6-Phosphate Dehydrogenase Deficiency: A Mechanism of increased Oxidative Stress?” *West Indian Med J*. 2014 Aug 21;63(6).
- **Aiken WD**, DaCosta VE. “Vasectomy and prostate cancer: the controversy reignited.” *Rev Panam Salud Publica*. 2014 Aug; 36(2): 142
- **Morrison BF**, **Aiken WD**, **Mayhew R**. “Current state of prostate cancer treatment in Jamaica”. *Ecancermedicalscience*. 2014 Aug 28;8: 456. doi: 10.3332/ecancer.2014.456. ecollection2014. Review.
- **Morrison BF**, Anele UA, Reid ME, Madden WA, Feng Z, Burnett AL. “Is testosterone deficiency a possible risk factor for priapism associated with sickle-cell disease?” *Int Urol Nephrol*. 2015 Jan;47(1):47-52
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ABSTRACTS

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- **L Mowatt**, “Optical Coherence Tomography, What is on the Horizon?” *West Indian Med J* 2015; 64 (Suppl.3) 25
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- **G Crossman**. “UWI Ophthalmology Residency Program: A Resident’s Perspective” *West Indian Med J* 2015; 64 (Suppl.3) 20
- S Peart, **L Mowatt**. “Efficiency of Patient Flow in the Ophthalmic Theatre at the University Hospital of the West Indies” *West Indian Med J* 2015; 64 (Suppl.3)

INCOME GENERATION

Research and Grants

US\$ 24,931.89 ORBIS donated 10 sets of (13 volumes each) books and sponsored three Ophthalmology Residents to do surgical training in India

US\$84,000 CHASE FUND: GE Vivid S6 Transoesophageal echocardiography machine

J\$2.5 million DR PATRICK J TOPPIN: JN Foundation re Investigation cost & epidemiology Trauma in Jamaica.

FELLOWSHIP AND CONFERENCE/WORKSHOPS

US\$30,000 CLINICAL FELLOWSHIP IN CRITICAL CARE MEDICINE. An 18-month fellowship undertaken by the Section of Anaesthesia and Intensive Care.

J\$150,000: Section of Anaesthesia and Intensive Care Annual Conference/workshop “Ultrasound-guided Regional Anaesthesia, Pain Management & Vascular Access”.

- TOTAL J\$2,650,000.00
- TOTAL US\$138,931.89

NATIONAL HONOURS AND AWARDS

The Order of Distinction in The Rank of Commander Class (CD)

- **Dr. Robert Wan**
For outstanding service in the field of Medicine and Community Development
- HONORARY
Professor Cyril Fletcher
For his contribution to the Medical Profession

The Order of Distinction in the Rank of Officer (OD)

- **Dr. Ian Neil**
For dedicated service to the Medical Profession
- **Dr. Keith Lloyd Wedderburn**
For outstanding service in the field of Medicine and Community Service

PUBLIC SERVICE

Dr. Wayne Palmer

- General Secretary of the Jamaica Cycling Federation
- Member, Board, Caribbean Orthopaedic Association

Dr. Maxim Christmas

- Vice President of the Jamaica Orthopaedic Association

Dr. Romayne Edwards

- Team Doctor
 - o Waterhouse Football Club
 - o National Premier League (2013-2014)
- Contributor Jamaica Observer Newspaper

Dr. Simone French

- Member executive National Resuscitation Council.

Dr. Rhonda Hutson

- Member executive the Jamaica Association of Sports Medicine (JASM)

Dr. Praimanand Singh

- President Jamaica Association of Sports Medicine (JASM)
- Representative to COPAMEDE for the English speaking Caribbean
- Member of the Jamaica Nation Council on Sports

Dr. Eric Williams

- Volunteer Doctor for the Gibson Home and National Children Home

Dr. Jean Williams Johnson

- Member executive Caribbean Poison Information Centre (CARPIN)

- Member executive Jamaica Association of Sports Medicine (JASM)

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 Elect of the Medical Association of Jamaica

Dr. Carl Bruce

- Member, Spine Committee World Federation of Neurosurgeons (WFNS)
- Executive, JAAA
- Chairman, JAAA Medical and Anti-Doping Commission
- 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)
- Chairperson, Vision 2020 Main Advisory Panel (Min of Health)
- Member, Pan American Association of Ophthalmologists (PAAO)
- Member, Ophthalmic Women Leaders (OWL)
- Member, National Council of Continuing Medical Education (NCCME)
- National Health Fund (NHF) Expert Panel of Physicians (Ophthalmology)
- International Scholar's Award (American Academy of Ophthalmologist's Award), January 2015

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 Govenors – Kingston College
- Choir Committee – Kingston College

Professor Michael McFarlane

- Member of Stage II Curriculum Committee
- 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)

STUDENTS' AWARDS AND ACHIEVEMENTS

Undergraduate

Undergraduate performance in the final MBBS Examinations was creditable with 262 of 273 candidates being successful.

Honours in Surgery

- Matthew Lyew
 - Dr. Aubrey McFarlane Prize
 - General Surgery Prize
 - Sir Harry Annamunthodo Prize in Surgery
 - Surgery Medal
- Anna-Belle Robertson
 - Lawson Douglas Prize
 - General Surgery Prize
- Lori-Ann Vaz
 - General Surgery Prize
- Wayne Robinson
 - General Surgery Prize

Post Graduate

Doctor of Medicine Post Graduate Degrees were awarded:

- Anaesthesia & Intensive Care
 - Dr. Carl Brown
 - Dr. Alexia Campbell
 - Dr. Marsha Chung
 - Dr. Deborah Douglas
 - Dr. Monique Spence
 - Dr. Javier Williams
 - Dr. Calnette Wilson-Williams

Department of Surgery, Radiology, Anaesthesia and Intensive Care

- Cardiothoracic Surgery Dr. Sunil Stephenson
- Emergency Medicine Dr. Roxanne Allen
Dr. Shereen Ramcharan
Dr. Gail Reid
- General Surgery Dr. Omar Felix
Dr. Andrew Josephs
Dr. Patrice Kennedy
- Neurosurgery Dr. Charmaine Muthra
- Ophthalmology Dr. Geogette Crossman
Dr. Jeanine Nelson-Imoru
- Orthopaedics Dr. Gail Caruth
Dr. Bert Rodney
- Otorhinolaryngology Dr. Phillip Brown
Dr. Warren Mullings
- Paediatric Surgery Dr. Karen Dunbar
Dr. Sarah Marshall Niles
- Urology Dr. Gareth Reid

RESIDENT PRIZES

Dr Tecah Foster: 1st Place Resident's Prize

T Foster, L Mowatt, "Impact of Visual Impairment on the Quality of Life of Diabetics (UHWI)" Ophthalmological Society of Jamaica Symposium (OSJ), Jamaica, March 2015

Dr Shamfa Peart: 1st Place Resident's Prize

S Peart, L Mowatt "Efficiency of Patient Flow in the Ophthalmic Theatre at the UHWI" Ophthalmological Society of the West Indies (OSWI), Curaçao, July 2015

Dr Valence Jordan: 2nd Place Resident's Prize

A Ramsay, V Jordan, C Green, "Frozen Stares. A Case of Bilateral Orbital Apex Syndrome" Ophthalmological Society of the West Indies (OSWI), Curaçao, July 2015

Dr Tara Goulbourne: 1st Place Poster Prize Presentation

T Goulbourne, L Vaughan, L Mowatt, "Retinoblastoma: Challenges in Management" Ophthalmological Society of the West Indies (OSWI), Curaçao, July 2015

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 2014/15 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 new four year BScN curriculum was approved by the Nursing Council of Jamaica and fully implemented at UWISON and as a result, for the first time there were four year groups of students. Initial meetings have been held with teams from the University Hospital of the West Indies regarding the revision and offering of Professional Development Programmes, such as Critical Care Nursing, Midwifery, Accident and Emergency. The Midwifery Curriculum is being refined to be re-submitted to the Academic Board.

The PAHO/WHO Collaborating Centre for Nursing and Midwifery Development in the Caribbean, UWISON, was re-designated in November 2014 for another four years. Nine (9) activities have been assigned to the Centre and are being carried out. The new Terms of Reference are: (1) Collaborate with PAHO/WHO in developing and supporting nursing and midwifery education programmes and practice in the Caribbean (2) Collaborate with PAHO/WHO to facilitate the development of a research culture and collaboration in Nursing and Midwifery in the Caribbean and internationally and (3) Collaborate with PAHO/WHO to collate, publish, and disseminate information necessary for advancing scholarship and evidence based practice in nursing and midwifery in the Caribbean region.

A simulation training was conducted in collaboration with the Gordon Center for Research in Medical Education at the University of Miami. This was an initiative with the Nurse Educator's Group from the Nursing Council of Jamaica. The training was conducted in January 2015 at a cost of US\$65,000 and included a cadre of healthcare educators, such as physiotherapists, dentists and nurses.

The School partnered with the School of Education to coordinate the Mixed Methods Conference, which was held March 12–13, 2015. Some members of staff and students were given the opportunity to attend and participate in research discussions, presentations and procedures.

The Inaugural Syringa Marshall Burnett Lecture was held on May 27, 2015. The Keynote Speaker was Senator Floyd Morris. This was in memory of Mrs. Marshall-Burnett who passed on October 10, 2014, and for her contribution to the nursing profession. The School hosted the 25th Annual Nursing and Midwifery Research Conference and 26th Mary J. Seivwright Day on May 28–29, 2015, under the theme “Nursing and Midwifery Research: Providing Evidence for People Centred Care.” The Keynote Speaker was Professor Hester Klopper, President of Sigma Theta Tau International (STTI). Dr. Joy Lyttle, Deputy Registrar of the Nursing Council of Jamaica was the speaker for the Annual Mary J. Seivwright Lecture. There were approximately 220 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, Canada and the Caribbean. The Research Conference featured a total of seventeen (17) Scientific Presentations from nursing professionals, graduate and undergraduate students on both days.

The Annual Research Internship for health researchers was held during the period June 1–25, 2015. There were twelve participants in the Programme, including one participant from Trinidad & Tobago; other participants were from the University of Technology, University Hospital, Faculty of Social Sciences, and UWISON (Mona and WJC). This four week internship was an intensive training opportunity for junior researchers at the graduate level to develop a research trajectory to guide them through their early research careers. 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.

Drs. Steve Weaver and Eulalia Kahwa represented the School at the meeting of PAHO/WHO and the Pan American Network of Nursing and Midwifery Collaborating Centres (PANMCC) in Washington DC, September 2014. The meeting discussed activities related to the Centre and possible collaborations with other Centres.

Dr. Steve Weaver represented the University of the West Indies at the meeting of the Regional Nursing Body in Guyana in February 2015. Discussions focused on the CXC managed RENR exam which had been administered for the first time in the Region.

Dr. Joanna Bennett was invited by the Home Office and Black Mental Health UK (BMH UK) to Chair a Summit on “Policing & Mental Health”. The Summit was held on Thursday, October 23, 2015.

The CARICOM Network for Nursing and Midwifery Education (CNNME) met on March 27 and June 27, 2015 at the School. Dr.

Steve Weaver guided the discussions, to revitalize the Network which was dormant. A new executive was elected and included representatives from the nursing and midwifery education and practice settings in Jamaica.

The Honor Society of Nursing, Sigma Theta Tau International (STTI) convened a regional meeting of the Global Advisory Panel on the Future of Nursing (GAPFON), July 17–8, 2015 in San Juan, Puerto Rico. Key leaders in nursing from the Caribbean were invited to participate in the meeting. Three staff members from the School, Dr. Steve Weaver, Dr. Eulalia Kahwa and Pauline Anderson-Johnson, were invited to participate. GAPFON seeks to influence health policy, nursing leadership and practice, education, and the global health agenda for nursing.

EXTERNAL COLLABORATORS

University of Alberta

UWISON hosted a group of ten (10) nursing students and one (1) faculty member from the University of Alberta during the period, January 29–April 2, 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.

Duke University School of Nursing

Eight (8) students in the accelerated BScN degree programme at Duke University School of Nursing visited UWISON August 10–23, 2014, to gain clinical experience/cultural immersion in in Community Health Nursing.

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 2014 and April 2015. This was an observational visit where they were placed at three health centres in Kinston and St. Andrew over the period of three days.

Clarence Fitzroy Bryant College

UWISON and Clarence Fitzroy Bryant College in St. Kitts continue to work through logistics issues associated with the franchise of the BScN programme. The Memorandum of Understanding has been signed and a new cohort registered for the 2015–2016 academic year.

University of Belize

UWISON continues to support the University of Belize to develop their nursing curriculum. Three members from the University of Belize visited the School to discuss curriculum matters and a team from UWISON is to visit that Institution in the near future to assist in curriculum development.

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 is in the process of submitting an application to be designated as an academic Best Practice Spotlight Organization (BPSO). The University Hospital of the West Indies will be submitting their own application to be designated as a clinical BPSO. UWISON and UHWI are working together on this application process.

PAPERS PRESENTED AT MAJOR CONFERENCES

- **Thompson, R.A.**, Anderson-Johnson, P., Younger-Coleman, N.O., Bailey, K.A., Knight-Madden, J., Waldron N., Wint, Y., & Kahwa., E. "Factors affecting compliance with medication among adults with Asthma in Jamaica". The Jamaica Association of Nurse Anaesthetists 37th Annual Refresher Conference. Riu Hotel, Ocho Rios, St. Ann., November 14–16, 2014.
- **Thompson, R.A.**, Anderson-Johnson, P., Younger-Coleman, N.O., Bailey, K.A., Knight-Madden, J., Waldron N., Wint, Y., & Kahwa.,

- E. “Factors affecting compliance with medication among adults with Asthma in Jamaica”. Ministry of Health’s National Health Research Conference, Jamaica Conference Centre, November 27–28, 2014.
- **Barton-Gooden, A.**, Grindley, M., Asnani, M., Knight-Madden, J. Illness perceptions, quality of life and disease knowledge among Jamaican adolescents with sickle cell disease. The 25th Nursing and Midwifery Research Conference & 26th Mary Seiwright Day, May 28–29, 2015.
 - **Munroe, D. & Bennett, J.** Measuring Self-Efficacy for Self-Directed Learning: Evaluating Hoban and Sersland’s (1999) Self-Efficacy for Self-Directed Learning Questionnaire (SE-SDLQ). The 25th Nursing and Midwifery Research Conference & 26th Mary Seiwright Day, May 28–29, 2015.
 - **Barton-Gooden, A.**, Grindley, M., Knight-Madden, J., & Asnani, M. “Short-term impact of educational interventions on disease knowledge, illness perception and quality of life among Jamaican adolescents with sickle cell disease”. The Caribbean Public Health Agency (CARPHA) Conference, Grenada, June 24–29, 2015.
 - **Pitter, C.**, & Dunn, L. Gender-Based Violence: A window of opportunity for Midwives. International Confederations of Midwives 5th Regional Conference of the Americas in Suriname, July 15–18, 2015.
 - **Pitter, C.**, McCall-Lewis, V., Edwards-Hamilton, A., Vassell-Murray, I., Walker-Sutherland, C. “Who cares when midwives got pecked? International Confederations of Midwives 5th Regional Conference of the Americas in Suriname, July 15–18, 2015.
 - **Pitter, C.**, Rollock, M., Hutton-Taylor, R., Hunte-Rampersad, L., & Curtis, S. Birth Announcement: Competence-Based Education in Midwifery Education in the English-Speaking Caribbean. International Confederations of Midwives 5th Regional Conference of the Americas in Suriname, July 15–18, 2015.

PUBLICATIONS

Peer-reviewed Journals

- **Edwards, A. M. E.** (2014). Nicolau syndrome in a female patient following administration of intramuscular diclofenac injection: A case presentation. *Clinical Nursing Studies*, 3(1), 37. <http://dx.doi:10.5430/cns.v3n1p37>
- **Wright, D., Reid, M. & Stennett, R.** (2014). Antioxidant Intake in Sickle Cell Disease. *International Journal of Clinical Nutrition*, 2(3): 53–59. <http://dx.doi: 10.12691/ijcn-2-3-2>
- **Adeyemi-Adelanwa, O., Barton-Gooden, A., Dawkins, P., & Lindo, J. L.** (2015). Attitudes of patients towards being cared for by male nurses in a Jamaican hospital. *Applied Nursing Research*. <http://dx.doi:10.1016/j.apnr.2015.06.015>
- **Bennett, J., & Stennett, R.** (2015). Attitudes towards mental illness of nursing students in a Baccalaureate programme in Jamaica: a questionnaire survey. *Journal of Psychiatric and Mental Health Nursing*. <http://dx.doi:10.1111/jpm.12234>
- **Bryan, V. D., Lindo, J., Anderson-Johnson, P., & Weaver, S.** (2015). Using Carl Rogers' Person-Centered Model to Explain Interpersonal Relationships at a School of Nursing. *Journal of Professional Nursing*, 31(2), 141–148. <http://dx.doi:10.1016/j.profnurs.2014.07.003>
- **Buchanan, J., Dawkins, P., & Lindo, J. L.** (2015). Satisfaction with nursing care in the emergency department of an urban hospital in the developing world: A pilot study. *International Emergency Nursing*, 23(3): 218-224. <http://dx.doi:10.1016/j.ienj.2015.01.001>
- **Walters, C.** (2015). Student-Centeredness: A Concept Analysis. *Caribbean Journal of Nursing*, 2(1); 19–27.

Editorial

- **Bennett, J.** (2015). The Crisis of Caring in Nursing. *Caribbean Journal of Nursing*, 2 (1): 1-3.

Letter to the Editor

- **Brown, K.** (2015). Patient Care or Customer Service? *Caribbean Journal of Nursing*, 2 (1): 4-5.

Newspaper Article

- All Woman Magazine (2015). Pregnant women victims of Gender-Based Violence. Monday, February 02, 2015. http://www.jamaicaobserver.com/magazines/allwoman/Pregnant-women-victims-of-gender-based-violence_18311216

Conference Proceedings/Abstracts

- **Barton-Gooden, A., Grindley, M., Asnani, M., Knight-Madden, J.** (2015). Illness perceptions, quality of life and disease knowledge among Jamaican adolescents with sickle cell disease. *Caribbean Journal of Nursing* 1(3). The 25th Nursing and Midwifery Research Conference & 26th Mary Seivwright Day, May 28–29, 2015.
- Birch, H.M., **Bennett, J.** (2015). Detection and Management of Side Effects of Antipsychotics in Patients with schizophrenia: the family members' perspective. *Caribbean Journal of Nursing* 1(3). The 25th Nursing and Midwifery Research Conference & 26th Mary Seivwright Day, May 28–29, 2015.
- Buchanan, J., **Dawkins, P., Lindo, J.L.M.** (2015). Satisfaction with nursing care in the emergency department of an urban hospital in the developing world: A pilot study. *Caribbean Journal of Nursing* 1(3). The 25th Nursing and Midwifery Research Conference & 26th Mary Seivwright Day, May 28–29, 2015.
- Hinds, A., **Bennett, J.** (2015). Detection of Side Effects of Antipsychotics: The Patients' Experiences. *Caribbean Journal of*

Nursing 1(3). The 25th Nursing and Midwifery Research Conference & 26th Mary Seiwright Day, May 28–29, 2015.

- Kendley, S.J., **Anderson-Johnson, P.** (2015). Caring for homosexual patients: Preparedness and attitudes of nursing students. *Caribbean Journal of Nursing* 1(3). The 25th Nursing and Midwifery Research Conference & 26th Mary Seiwright Day, May 28–29, 2015.
- Munroe, D. & **Bennett, J.** (2015). Measuring Self-Efficacy for Self-Directed Learning: Evaluating Hoban and Sersland's (1999) Self-Efficacy for Self-Directed Learning Questionnaire (SE-SDLQ). *Caribbean Journal of Nursing* 1(3). The 25th Nursing and Midwifery Research Conference & 26th Mary Seiwright Day, May 28–29, 2015.
- **Wright-Myrie, D.**, Reid, M., **Kahwa, E.** & Royal-Thomas, T. (2015). Nutrition in Critical Illness: Psychometric evaluation of tools examining anthropometric skill and nutrition knowledge of Critical Care Registered Nurses. *Caribbean Journal of Nursing* 1(3). The 25th Nursing and Midwifery Research Conference & 26th Mary Seiwright Day, May 28–29, 2015.

PUBLIC AND PROFESSIONAL SERVICE

Bennett, J.

- Board Member, Women's Health Network, Jamaica
- Editor-in-Chief, *Caribbean Journal of Nursing*
- Member of Editorial Board, *West Indian Medical Journal*

Bennett, J.

- International Associate Board Member, *Journal of Research in Nursing*.

Dawkins, P.

- Council Member, St. John Ambulance, Kingston Jamaica
- Member, Nursing Research Committee
- Member, Nurses Association of Jamaica;

- Manuscript Reviewer, *Clinical Journal of Nursing Research*, University of Pennsylvania
- Expert Panelist, World Justice Project, Rule of Law Index

Hepburn-Brown, C.

- Manuscript Reviewer, *Clinical Journal of Nursing Research*, University of Pennsylvania
- Rater and Reviewer, McMaster University Online Rating of Evidence-based System Research (MORE).

Kahwa, E.

- Member, Editorial Board, *Canadian Journal of Nursing Research*
- Member, Editorial Board, *Caribbean Journal of Nursing*.

Lopez, S.

- Board Member, The Heart Foundation of Jamaica

Lindo, J.

- Chairman, Mona Heights Primary School
- President, Hope Pastures Citizens' Association
- Convenor and Past Chair, Keble Crescent Neighbourhood Watch
- Member, Mother's Union, Church of St. Margaret's
- Member, Kiwanis Club of New Kingston
- Social Development Commission Representative for Hope Pastures;
- Member, St. Andrew Civic Committee

Weaver, S.

- Member, Lions Club of St. Andrew Central
- Member, Health and Wellness Committee, Lions Club of St. Andrew Central.

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	154	134	132	110	530
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	312	277	289	265	1,143
BScN (post RN) online delivery.	80	99			179
Grand Total Undergraduates	355	703			1,322

Postgraduate Programmes

Category of Student	New	Returning	Total
MPhil/PhD	2	6	8
MScN (Nursing Administration; Nursing Education)	18	20	38
MScN (Family Nurse Practitioner; Mental Health/Psychiatric Nurse Practitioner; Clinical Nurse Specialist-Gerontology Option)	12	20	32
Total Postgraduates Students	32	46	78

SCHOLARSHIP

- Masie Brown and Donareen Denny from the Jamaica Nurses Group of NY Inc. presented US\$,2,000.00 scholarships to two third year students with a GPA of 3.5 and a stethoscope to a third student along with a barrel of books to the School on September 25, 2014. This scholarship will be given annually.
- April Tulloch was awarded a scholarship US\$1,000.00 from the UHWI Batch-61 Memorial Scholarship.

Outstanding graduands

- LeRone Crooks
- Peter-Ann Copeland

FACULTY OF SCIENCE & TECHNOLOGY

Mona

Year ending July 31, 2015



PROFESSOR PAUL REESE
BSc (Hons), UWI, DPhil, *Sussex*, CChem, FRSC
DEAN

– *Dean’s Overview* –

TEACHING, LEARNING AND STUDENT DEVELOPMENT

1. Student Enrolment and Access to Faculty Programmes

The number of undergraduate students enrolled in our Faculty has grown steadily over the period 2010–2015 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.

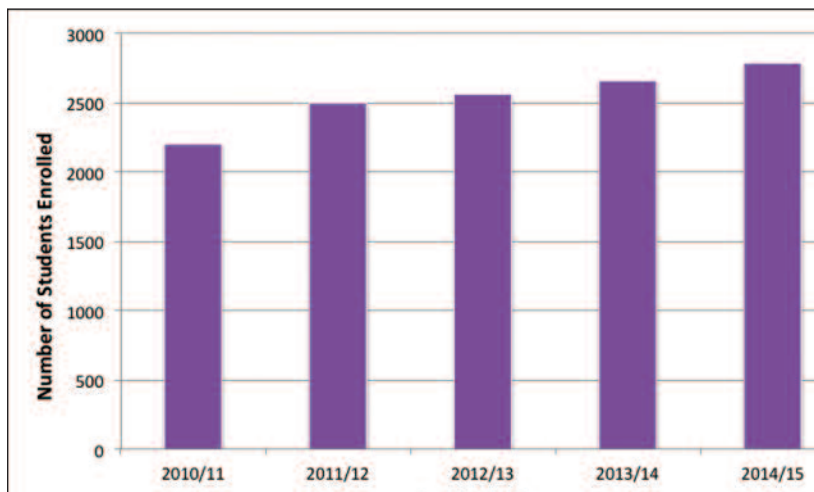


Figure 1: Number of registered students in the faculty

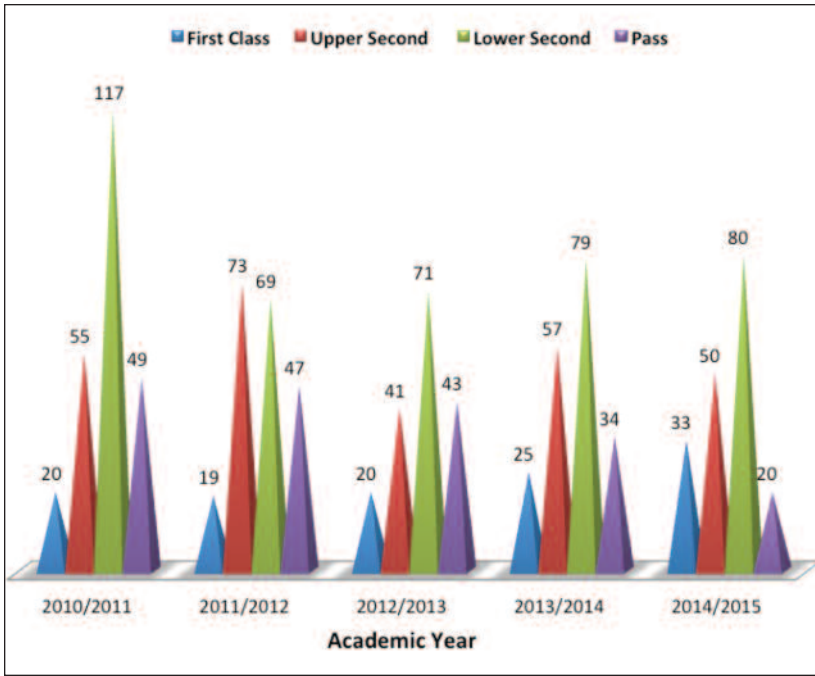


Figure 2: Number of Degrees awarded 2010–2015

Graduation data show an increasing number of students earning honours degrees with proportionately less receiving pass degrees.

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.

i. Student Development Workshops

The Mona School of Engineering led an initiative to prepare Undergraduate students for the world of work. The school hosted a Career 101 Workshop for final year students in the Electronics Engineering Programme in April, 2015. Topics addressed included: “Effective Public Speaking”,

“Dress for Success”, “Interviewing Techniques” and “Qualities of a Successful Leader”.

ii) Graduate Studies

Student Registration: Total graduate student enrolment for the University in 2014–5 was 3253 including 513 (15%) in research degrees. In the same year there were 400 (8.6% decrease) graduate students (50% female) registered in the Faculty of Science and Technology (FST) of which 169 (42%) were pursuing research degrees. Approximately 33% of MPhil/PhD candidates on the Mona Campus are in FST.

Graduate Initiatives: The office of the Associate Dean Graduate Studies and Research hosted the “How to the get published” workshop in October 2014. In semester two staff from the International Student Office led a discussion with research students on study abroad opportunities.

iii) New Programmes and Courses

The Faculty launched new courses in 2014–15 which expanded the selection of Programmes and Majors at both the graduate and undergraduate levels.

A new undergraduate major in Geosciences and a new minor in Human Geography were offered for the first time in 2014–15 by the Department of Geography and Geology.

Recognizing a growing demand for executives and other professionals with a specialization in the area of sustainable energy systems, the Department of Physics launched the Masters of Science in Renewable Energy Management and the Masters of Science in Renewable Energy Technology. The programmes target Natural Scientists, Engineers and Technical-related professionals, as well as those from the Social Sciences including Administrators, Policy Makers or Lawyers.

The Master’s and Postgraduate Diploma Programme in Biotechnology at the UWI-Mona Campus facilitates the UWI and the Caribbean region’s involvement in an area which is promising and the fastest-

growing technology of the present era. The field of Biotechnology is recognized for its potential to offer solutions to global problems ranging from food security and health to clean energy and environmental sustainability. Biotechnology is one of the priority areas of focus in the current UWI Strategic Plan.

The MPhil/PhD in Applied Physics facilitates study in any of several areas that deal either with the application of Physics to a technical discipline or with the interface between Physics and another area of Science. The Applied Physics Research Degree offers the flexibility of interdisciplinary research opportunities for Graduate students with a strong undergraduate background in Physics.

RESEARCH AND INNOVATION

1. Research output

FST Graduate research output:

The number of research students and their participation in publications and conferences for the 2014–2015 academic year.

Department	# of registered MPhil and PhD Candidates 2014/15	No. of Publications with Graduate Students 2014/2015	No. of Conference Presentations with Graduate Students 2014/2015
Mathematics	5	1	3
Chemistry	34	4	21
Life Sciences	38	10	13
Physics	23	7	12
Mona School of Engineering	2	0	3
Computing	17	11	8
Geography and Geology	17	4	27
Biotechnology	12	2	5

2. Notable achievements

i) Map Launch – The Geology of the Parish of St. Catherine

In February 2015 the Department of Geography and Geology unveiled the first in a new series of 1:50,000 scale geological maps of Jamaica entitled “The Geology of the Parish of St. Catherine”. When completed, the series of maps will number 13 in total, with each map featuring a parish of Jamaica. The maps are the result of geological investigations carried out by the Department over the last 19 years.

ii) Dr. Karl Aiken awarded Silver Musgrave Medal

Dr. Karl Aiken, Senior Lecturer, Department of Life Sciences was awarded the Silver Musgrave Medal for Science, 2014 for his work in Agriculture. Dr. Aiken has worked on fish and fisheries matters since 1971 when he completed his Masters’ Degree. He has conducted fisheries research on spiny lobsters and on island and offshore resources. He has taught fisheries and fish biology to undergraduate students, managed several research projects and worked on reef fisheries management.

iii) Dr. Tannecia Stephenson awarded Bronze Musgrave Medal

Dr. Tannecia Stephenson, Lecturer, Department of Physics was awarded the Bronze Musgrave Medal for Science, 2014 for her work in the area of Physics. Her research interests are Caribbean climate variability, climate extremes, seasonal prediction using statistical models and statistical downscaling. She has been affiliated with a number of climate variability and change projects and has published a number of journal articles, technical reports and a short monograph with collaborators.

iv) Professor Simon Mitchell receives two prestigious awards

Professor Simon Mitchell received the 2014 Vice Chancellor’s Award for Excellence in the areas of Research and Public Service for his work on geology in the Caribbean Region. In January 2015 he also received the Chubb Award for Excellence from the Geological Society of Jamaica for 20 years of contribution to the field of Geology and outstanding contribution to Jamaica’s environment. Professor Mitchell’s research is

concentrated on the geology of Jamaica. He has produced a series of geological maps which have been used for major geological developments in many parts of the island.

v) Dr. Mona Webber recognized

Dr. Webber was among nine women awarded the Women's Leadership Initiative 2015 International Women's Day Award. The ceremony 'Paying it forward' was held in March 2015.

NATIONAL ENGAGEMENT AND OUTREACH

The Faculty's Outreach Team visited a number of high schools across the island, including schools in Kingston, Portland and St. James.

1. The Departments of Physics 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.
2. The FST participated in the January 2015 outreach to the 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, Computer Studies, Geography & Geology, Life Sciences through the Discovery Bay Marine Lab personnel, Physics and the Mona School of Engineering.
3. The FST participated in Science in the Park in November 2014 which was coordinated by the Scientific Research Council. The FST team provided information on the offerings of the Department and interacted with students of all levels. Brochures covering the offerings of the Faculty including the Master's programmes were available.
4. In June 2015, the Faculty participated in the annual "Relay for Life" for the third 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 Lung Cancer. The FST booth highlighted the work of Departments involved in cancer research. FST's participation was the result of a collaborative effort from personnel from all FST Departments who raised funds, manned the booth and did the relay. The FST received two awards: "Best Tent" and "Silver winner for most Team Donation".

REGIONAL AND INTERNATIONAL COLLABORATION

During the Calendar year 2014/2015, the Faculty of Science of Technology indicated intent to partner with the following entities:

An MOU between Wallenford Coffee Company and the Department of Life Sciences.

This MOU sets out the terms by which the Wallenford Coffee Company and the Department of Life Sciences will collaborate on an Agricultural Entrepreneurship and Agriculture Internship Programme for staff and students of the Faculty of Science and Technology including the Department of Life Sciences. The signing parties will pursue a mutually beneficial relationship to enhance production, protection and the value chain of coffee, as well as other training opportunities.

Partnership Agreement between the Jamaica Public (JPS) Foundation and the Mona School of Engineering.

The Principal, Prof. Archibald McDonald and other members of the UWI Community witnessed the official signing of the Partnership Agreement between the Jamaica Public (JPS) Foundation and the Mona School of Engineering on Tuesday, May 12, 2015 in the Council Room. The Agreement symbolically signalled the start of the new Electrical Power Engineering Programme to be offered by the School of Engineering in collaboration with JPS in September 2015.

STEM CONFERENCE, 2015

The Faculty Conference was held from June 9–11 2015 under the theme “Science Technology Engineering Mathematics (STEM): the engine of growth”. The Conference presented an opportunity for researchers from a broad range of disciplines across the faculty to showcase their work and the associated relevance to Jamaica’s future development. The Faculty sought to connect the dots between Science, Technology and Research and Jamaica’s Public and Private Sectors. The proceedings were governed under the subthemes:

Conceptualizing/Designing the STEM engine: Theoretical and Design research, Developing/Constructing the STEM engine: Laboratory and fieldwork based research and Deploying/Implementing the STEM engine: Applying STEM research to industry.

The conference featured oral and poster presentations of original work, plenary speakers from industrial and academic backgrounds and internationally recognised keynote and plenary speakers. The conference also provided networking and collaboration opportunities for FST researchers, and allowed graduate students to forge affiliations from which they could secure future research fellowships and job opportunities. Undergraduate students also presented their outstanding projects as part of the proceedings.

This year’s conference added to the Faculty’s history of successfully hosting such events whilst providing insight into the significance of STEM as the engine of growth for Jamaica and the wider Caribbean.

Tsunami Modelling and Hazard Assessment Workshops

The Department of Geography and Geology in collaboration with CDEMA and ODPEM conducted two workshops on Tsunami Modelling and Hazard Assessment, phase I and II from Environmental Hydraulics Institute IH Cantabria as a part of a collaborative project between AECID (A Spanish Corporation Agency), Caribbean Disaster and Emergency Management Agency, the UWI Earthquake Unit, and the

Office of Disaster Preparedness and Emergency Management, Jamaica. The workshops were hosted by the Department in September 2014 and January, 2015 with funding from AECID and Chilespana.

DISTINGUISHED VISITOR TO THE FACULTY

Courtesy call to introduce new JICA volunteer to be assigned to Mona Geoinformatics Institute

The Faculty of Science and Technology (FST) welcomed Dr Kioshi Mishiro to the UWI in October, 2014, during a courtesy call with the Dean, Professor Paul Reese. Also in attendance were Dr Ava Maxam (Deputy Director, Mona Geoinformatics Institute – MGI), Dr Paul Aiken (Deputy Dean and Head of the Mona School of Engineering), Mr Makoto Manabe (Resident Representative at the Japan International Cooperation Agency -JICA) and Ms Denease Tomblinson (GIS Research Assistant, MGI). Dr Mishiro will be conducting research on the coastal dynamics of shoreline areas, contributing to studies by the University on the effects of hazardous contaminants, invasive species and man-made changes to our shorelines. Dr Mishiro, a Japanese national, was assigned his 2-year residency with the MGI through JICA, and is supervised by Dr Maxam. His areas of expertise are in numerical analysis, ocean simulation, and aeronautical engineering, which he will also apply during guest lectures at the Mona School of Engineering in 2015.

ADDRESSING THE FUNDING CONSTRAINT

Fund raising activities across the Faculty continued as shown by grants acquired amounting to over J\$207.5 million. Departments continue to generate income mainly via self-financing programmes.

Resource Mobilization Unit – The IDB has approved funding for the implementation of the Investment Plan for the Caribbean Regional Track of the Pilot Program for Climate Resilience (PPCR). It will help the Caribbean region improve regional processes of climate relevant data acquisition, storage, analysis, access, transfer and dissemination, and

pilot and scale up innovative climate resilient initiatives directly in PPCR countries. The RMU will continue to provide the necessary support to the project's implementation over the next five years.

The RMU is exploring several linkages and projects that are in their incubatory stages. These include with Governments Ministries, Departments & Agencies and overseas partners who have expressed an interest in working with the Ministry. The Unit continues to provide support in the areas of grant identification, support proposal development and follow-up.

The Coordinator of the FST Resource Mobilization Unit went on a study visit to McGill University and observed the processes in the various areas of Sponsored Research. These included Business Engagement, Grants Administration and Awards, Invention Development and Entrepreneurship Assistance, and sponsored research at the level of the Faculty. Based on the visit, a number of strategies have been developed to improve the grant intakes of the Faculty and these are being implemented.

STUDENT ACHIEVEMENT

Annual Faculty Awards Ceremony

The Faculty celebrated outstanding achievers on Thursday, March 19, 2015 at the Annual Faculty Awards Ceremony under the theme "Celebrating Excellence". A total of 212 students who exhibited excellence in academics were awarded.

Computer Sciences Students Win Agrihack Regional Competition

In September, 2014 the Department of Computing entered the Agrihack coding competition organized and sponsored by the Dutch Technical Centre for Agricultural and Rural Cooperation (CTA) as a part of the Caribbean Week of Agriculture (CWA). The competition sought to facilitate the development of ICT applications for agriculture, and encourage youth involvement in the agriculture sector. Of the 8 teams

making it to the finals, Node420, from the Dept. of Computing, emerged winners. Their entry focused on challenges surrounding the collection of climate data, and their product aimed to provide both low-cost data collection devices and in-depth analysis to support farmers and other agricultural authorities.

Student of the Department of Computer Sciences implements Google Transit App for the JUTC

Information Technology consultant and third-year Computer Science student, Oswald Smith conceived the idea of implementing a Google Transit application for the JUTC. The idea was born out of his personal experiences with the JUTC bus system. The app allows commuters access to the JUTC's bus schedules and some of its routes on their computers, tablets and smartphones using Google Transit. In conjunction with the bus company, the app has been launched and is currently being used by the public. Jamaica is the first Caribbean country to provide ground transportation information to the public using Google Transit.

Shaneica Lester, Research student in the Department of Geography and Geology received the Summer University program of the Central European University (CEU) SUN Scholarship to attend the following courses: "Bridging ICTs – Making Information Talk and Technologies Work for Water Security: Remote Sensing" and the course "Bridging ICTs – Innovations in Disaster Risk Management" in Budapest Hungary in July 2015. The courses were a joint initiative between the UNDP, UNEP and the In Service ICT Training for Environmental Professionals (ISEPEI) project.

Phylicia Ricketts, MPhil candidate in Medical Physics, received a first place award at the "Women in Nuclear" 22nd Annual Global Conference held in Sydney, Australia in October, 2014. The work presented is part of a paper recently accepted for publication in the *West Indian Medical Journal*.

DEPARTMENT OF CHEMISTRY



Dr Roy Porter, BSc, PhD, *UWI*
Head of Department

OVERVIEW

The 2014/2015 academic year was a very productive one. The M.Sc. Food and Agro-Processing Technologies (FAPT) programme welcomed its fourth cohort, which was comprised of fourteen (14) students. The M.Sc. Occupational Environmental Safety and Health (OESH) programme continued to perform well, thus cementing its impact in the discipline. Initiatives such as the Peer-Led Team Learning (PLTL) and CAPE Workshops have helped to improve learning experiences among participants.

Throughout the year, members of the academic staff were involved in a number of conferences and made a significant contribution to education in Jamaica through outreach initiatives (both internally and externally). Through tireless effort, the Department of Chemistry celebrated the start of the Undergraduate Student Chapter of the American Chemical

Society (ACS) for the Caribbean region. The department also birthed the Chemistry Honours Society, which was our way of acknowledging excellent academic performance of our students. In March 2015, twenty-four (24) students were inducted and they have continued to perform at a high standard.

At the end of the academic year, thirty-six (36) students graduated with B.Sc. degrees in Chemistry, four (4) of which received first class honours. Five (5) students graduated from the B.Sc. OESH programme. At the postgraduate level, fifteen (15) students graduated with M.Sc. OESH degrees, four (4) graduated from the M.Sc. FAPT programme and eight (8) awarded research degrees (three MPhils and five PhDs).

HIGHLIGHTS OF MAJOR ACTIVITIES

Staff Movements

Dr. Winklet Gallimore was promoted to the post of Senior Lecturer as at 1st August, 2014. Dr. Marvadeen Singh-Wilmot proceeded on Sabbatical Leave and was replaced by Dr. Kerry-Ann Green. Dr. Anthony Greenaway and Prof Henry Ellis retired during the academic year; as such, the Department welcomed Dr. Debbie-Ann Gordon Smith, Lecturer – Analytical Chemistry. Mr Charles Grizzelle succeeded Ms Simone Williams as Administrative Assistant for the MSc FAPT programme upon her resignation from the post. The Department also welcomed Ms. Toni-Ann Pinnock (Secretary III) during the academic year.

NEPA Visible Emissions Training

The Department of Chemistry hosted two Visible Emissions training courses (Smoke Schools) which were conducted by The National Environment and Planning Agency (NEPA) on the 20th January and 21st July 2015. This training is administered by Eastern Technical Associates (ETA) from the USA; ETA is a United States Environmental Protection Agency (US-EPA) certified training institution. Three (3) members of the Department of Chemistry participated in the second

staging of the course. The skill set developed in these courses is recognized internationally.

CAPE Workshop

During the period 12th–16th January, 2015, the Department held another successful series of Chemistry workshops on Spectroscopy and Chromatography for the Caribbean Advanced Proficiency Examinations (CAPE) students. A total of 1,124 students and 54 teachers from 49 schools participated. The Kingston Bookshop donated complementary copies of the book *Chemistry for CAPE* as a promotional thrust. The participating schools were very pleased with the donations. Based on the feedback from teachers and students, the workshop presentations and materials were very well received and most expressed gratitude to the Department for this outreach effort. Professor Helen Jacobs and Dr. Novelette Sadler- McKnight met with the teachers separately to discuss issues pertaining to CAPE Chemistry instruction as well as aspects of the syllabus that they might have needed assistance with. A complimentary copy of the textbook *Chemistry for CAPE Examination* which Professor Jacobs and Dr. Sadler-McKnight contributed chapters to, was also distributed to each school. As in previous years, this workshop was coordinated by Dr. Novelette Sadler-McKnight. Mrs. Mitzie Samuels was very instrumental in ensuring that the administrative processes were smooth.

Physical Plant

In an attempt to ensure that the department's facilities were on par with the excellence espoused by the University of the West Indies, members of staff and graduate students put their energies and efforts into a Labour Day project which sought to beautify the surroundings. Given the scarcity of resources, sponsorship was sought and donations of paints, which were graciously received, were used to enhance the department.

Safety

On 26th February, 2015 the Department's Safety Committee held a workshop organized mainly for its service staff on the topic of Occupational Safety. Mr. Allan Sappleton, certified Occupational Safety and Health Administration (OSHA) Trainer and OESH PhD candidate, made a presentation entitled "The Fundamentals of Occupational Safety". This was the first in a series of workshops and the Committee is optimistic that these sessions will improve the quality of safety procedures and practices.

FAPT Workshops

The M.Sc. Food and Agro Processing Technology programme hosted a Food Microbiology Workshop, 29th–30th January, 2015. Dr. Lawrence Goodridge, Associate Professor, Department of Food Science and Agricultural Chemistry at the McGill University, led the sessions as Guest Lecturer. Over these two days, there were 17 participants from companies such as Wisynco Group, GK Foods and Services Limited and Nestle Jamaica. On 2nd February, the workshop was however taken onsite at the Dairy Industries. There were 10 participants at this sitting. Additionally, the FAPT programme hosted a Food Safety Workshop, 27th–28th July. Ms. Maxine Hoffman, a Senior Food Storage Inspector from the Food Storage and Prevention of Infestation Division in the Ministry of Industry, Investment and Commerce, was the Guest Presenter.

DEPARTMENT SEMINARS

Under the leadership of the Seminar Coordinator, Dr. Nadale Downer - Riley, members of the department enjoyed an active seminar programme. Seventeen (17) seminars spanning a wide range of topics were delivered by visitors, faculty and postgraduates. The seminars that were delivered by visitors to the Department are listed below.

- **Dr. Mervin Chisholm** – "Successful Teaching: Embracing your Role as a Lab Demonstrator/Supervisor", October 2, 2014

Department of Chemistry

- **Ms. Roselyn Fisher** – “Chemistry, Helping to Increase Food Supply”, October 9, 2104
- **Mrs. Karlene Robinson** – “ACS Citation Style and Endnote”, October 23, 2014
- **Ms. Sabraham Green** – “The Relationship Between University Students’ Performance in Mathematics and Introductory Chemistry A (CHEM1901)”, November 23, 2104
- **Dr. Leslie Simpson** – “Studies with Castor beans as a source of Biofuels at the CARDI Jamaica Unit”, October 20, 2014.
- **Mr. Ian Myrie** – “The Heritage International Scholarship Trust Plan”, February 5, 2015
- **Professor Suresh Narine** – “Transitioning to Green materials: Why and How”, February 25, 2015.
- **Mr. Donovan Brown and Mr. Dewey Williams** – “The Purchasing Process Specific to Academics and Postgraduates”, March 5, 2015

STUDENT ENROLMENT

Numbers of students reading courses in chemistry, 2011–2015

Level	2011–2012 Sem 1/Sem 2	2012–2013 Sem 1/Sem 2	2013–2014 Sem 1/Sem 2	2014–2015 Sem 1/Sem 2
Preliminary	240/219	239/218	226/209	200/175
Introductory	537/458	546/506	544/488	553/501
Advanced	266/258	256/227	255/218	239/198
Postgraduates	45	42	65*	128

* includes students registered in the MSc FAPT, but not OESH

Research Degrees Awarded

Research degrees in Chemistry awarded in 2014/2105 AY

Degree completed	Name	Supervisor (s)
PhD Chemistry	Mark Allen	Prof I. Kahwa
	Nykieta James	Dr. Paul Maragh and Prof Tara Dasgupta
	Norda Stephenson (With High Commendation)	Dr. Novelette Sadler – McKnight
	Rosemaire Wilson	Dr. Anthony Greenaway
MPhil Chemistry	Francine Campbell	Dr. Anthony Greenaway
	Henry Small	Dr. Willard Pinnock
	Toni Johnson	Professor Paul Reese
	Imron Miller	Dr. Novelette Sadler – McKnight

BOOK LOAN SCHEME

The Department continues to operate its book loan scheme for undergraduate students. The demand for textbooks at the introductory level is still the highest, followed by those for the preliminary courses.

WORKSHOPS AND CONFERENCES ATTENDED

Dr. Andrea Goldson-Barnaby attended and made a presentation at the Pittcon 2015 conference, held in March, at the Morial Convention Center in New Orleans. The presentation was entitled “Jamaican sorrel (*Hibiscus sabdariffa*) and citrus (*Citrus sinensis*) waste extracts: Potential applications and utilization”. She also attended the Commonwealth Science Conference, Bangalore, India, 25th–28th November, 2014. A poster presentation was made entitled “Characterization of ackee (*Blighia sapida*) lipid extracts”. Dr. Goldson-Barnaby and Dr. Donna Minott Kates, attended the 17th World Congress on Food Sciences & Technology, IuFOST. A presentation entitled “Lipid content and fatty acid analyses of the Jamaican ackee (*Blighia sapida*) fruit” was made.”

Drs. Petrea Facey, Ainka Brown and Ms. Norda Stephenson attended

the Centre for Excellence in Teaching and Learning (CELT) Teaching Skills Workshop held 14th – 16th January, 2015 at the UWI, Mona Campus.

Dr. Winklet Gallimore attended the BIT's Third Annual International Congress of Algae - 2014 held 16th – 18th October in Dalian, China. An oral presentation was made entitled "A Tale of Two Algae: Potential Applications of Two Jamaican Algal Species". She also attended the Scientific Research Council's 3rd Biennial Conference, held November 2014. An oral presentation was made entitled "Surfing the Seas for Marine – Derived Therapeutic Agents".

PhD Chemistry candidates, **April Johnson** and **Stacey-Ann Parker**, were selected to be among 70 PhD students from across the Commonwealth who were sponsored by the Royal Society to participate in the Commonwealth Science Conference in Bangalore, India, 25–28 November 2014. Both students presented posters describing aspects of their PhD projects.

OUTREACH

Dr. Andrea Goldson-Barnaby, **Dr. Gail Baccus-Taylor** and **Mr. Charles Grizzelle** participated in the College of Agriculture, Science and Education (CASE) during their Open Day celebration held, 26th February, 2015. The experience was a rewarding one. **Dr. Andrea Goldson-Barnaby** participated in the Stem Talent Expansion through Promotion of Science (S.T.E.P.S) Workshop held 20th November, 2014

The Chemical Society (ChemSoc) team represented the Department of Chemistry very well at the display of clubs and societies at the event known as Club Fusion held, 26th February, 2015. The ChemSoc booth saw many interested persons viewing the experiments. On the 9th and 11th February, 2015, staff, graduate students and members of UWI ChemSoc participated in the staging of interactive demos and displays on the spine which was a part of this year's UWI Research Days initiative. The activities were geared at highlighting various areas of Chemistry done at UWI and also to explain selected everyday phenomena involving

Chemistry. These were well received primarily by the high school students who were in attendance. The perennial favourite, the Ice-cream making demo, was particularly enjoyed by the students. The Chemistry department was also represented in the Science and Technology section of the Tent with graduate students interacting with members of the public and informing them about the course offerings and research done in the department. Additionally, in association with the Mustard Seed Communities, ChemSoc collected and donated hygiene items for the Hayden Singh's Children Sanctuary.

The Department participated in the Western Jamaica Campus outreach activity held on 12th–13th January, 2015. The students were involved in a practical experiment which demonstrated the colour changes associated with pH, correlating it to environmental issues. Other experiments were also conducted and students played a game using the periodic table. The experiment were organized by **Dr. Ainka Brown** and executed at the Western Campus by Graduate students Sanjay Campbell and Coniel Roye, as well as Dr. Winklet Gallimore, who engaged the high school students.

Dr. Marvadeen Singh-Wilmot attended the World Academy of Sciences (TWAS) meeting in Oman November 2014 and spoke of the need for investment in research infrastructure for young scientist in developing countries like the Caribbean states. Her ideas were captured in an interview which was published January 2015 on Scidev.net. It was entitled “Q and A with a Caribbean Ambassador for Science”. Dr. Singh-Wilmot was also involved as a Consultant and Trainer in two Stem Teacher training workshops mounted for teachers in Fundaciones Centres. The sessions were held in July 2015 in Montego Bay and Kingston.

Over 26 students and members of staff (including six undergraduates) were directly involved as members of the on-site and fund raising teams for the Jamaica Cancer Society – Relay for Life, held 13th–14th June, 2015. The amount collected by the Department and their associates was \$98,632.00. **Mr. Sanjay Campbell** was the Department team member who collected the most funds. Activities from the Chemistry Department

were coordinated by **Dr. Ainka Brown** and included a coin experiment (copper to gold), a milk 'art' experiment, elephant toothpaste and a word-making game using the elements of the periodic table. Small prizes were given to deserving patrons. The absolute glee and delight of some of the persons observing the experiments made the effort worthwhile.

Nineteen (19) members of staff participated in the Sagicor SIGMA Corporate Run on 22nd February, 2015. The participants found the event very fulfilling.

AWARDS AND PRIZES

On 11th December, 2014, The University of the West Indies awarded members of staff for long service. Among the recipients were **Mrs. Linda Cross-Gordon** (30 years), **Mr. Winston Chambers** (15 years) and **Dr. Raymond Reid** (15 years).

Dr. Nadale Downer Riley was awarded the 2014 Scientific Research Council's young scientist award.

Dr. Andrea Goldson-Barnaby received the CARPIMS Mobility Scholarship for Academic Staff Mobility which allowed her to attend the National University of Samoa as Guest Lecturer – Climate Change and Food Security. This scholarship covered all expenses for the month of May, as well as an allowance of 1,000EUR. She also received the PITTCO travel award amounting to approximately \$215,000.00 from the Royal Society for travel to the Commonwealth Science Conference held 8–12 March, 2015. Finally, Dr. Goldson-Barnaby also received the 2014 Developing Country Sponsorship Award from IuFoST, to attend the World Congress of Food Science & Technology, Montreal, Canada.

For Research Day, the following awards were received:

- Principal's Awards for the Best Research Publication:

Dr. Nadale Downer Riley and collaborators

Article: "Intramolecular Cycloaddition Reactions of Furo*3, 4 – b]indoles for Alkaloid Synthesis"

- Principal's Awards for the Most Outstanding Researcher/Research Activity:

Dr. Paul Maragh

Articles: "Mechanisms in Solution", "Alternative Synthetic Methods for some PEPPSI – type Palladium Complexes", "Imidazolium Salts derived from Amino [2.2] paracyclophane compounds: Synthesis and hydrolytic ring – opening", and "In vitro studies on the reaction rates of acrylamide with the key body – fluid thiols: L-cysteine, glutathione and captopril"

At the Faculty Award Ceremony held March 2015, **Mr. David Anderson** received the Dean's Staff Award for outstanding support to the Faculty of Science and Technology.

VISITORS TO THE DEPARTMENT

- On the 30th January, Dr. John Zarling, Program Manager from Los Alamos National Laboratory, visited the Department. Dr. Zarling assisted the Department with the removal of a radioactive source which was no longer used.
- Professor Suresh Narine, the Director of the Trent Centre for Biomaterials Research, the Ontario Research Chair in Green Chemistry and Engineering, and the Natural Sciences and Engineering Research Council (NSERC) of Canada, Senior Industrial Research Chair in Biomaterials visited the Department and delivered a special lecture on Monday, 23rd February, 2015.
- Ms. Sharna Casimir, post – graduate student from the Department of Chemistry at UWI, Cave Hill visited the department in February 2015. She worked under the supervision of Dr. Paul Maragh collecting survey data from the Preliminary and Introductory Chemistry laboratory students for use in her research project.
- In April 2015, Dr. Bryne Ngwenya from the University of Edinburgh, brought a class to Jamaica to conduct water sampling and analysis in Discovery Bay and along the Rio Cobre. Drs. Gordon-Smith and Rattray assisted the group.

- Professor Thomas Olsson and Professor Johan Bohman, from the Department of Chemistry and Molecular Biology at the University of Gothenburg, visited the Department as a part of our on-going Linnaeus-Palme Faculty Exchange collaboration. During Prof Olsson's stay (22nd April–15th May), he delivered a lecture series on “Medicinal Chemistry: The process from an idea to a launched drug” to faculty and graduate students.

PAPERS PRESENTED

- Helen Asemota, **Mohammad Bakir**, Toni Johnson, Mark Lawrence, Peter Nelson, Kenroy Kimar Wallace, “Physico-chemical and biological properties of polypyridyl hydrazonic ligands”. 10th Conference of the Faculty of Science and Technology, UWI, Mona; June 9–11, 2015 (Poster Presentation)
- **Bowen-Forbes**, C. S., McCook-Russell, K. P., Mulabagal, V., Liu, Y., Nair, M. G., Yuan, T., Seeram, N. P. “Health-promoting properties of exotic Jamaican fruits”. American Chemical Society, 43rd Central Regional Meeting, Dearborn MI. June 5–9, 2015
- **Camille Bowen-Forbes**. “Antioxidant, Anti-diabetic and other health-promoting properties of Jamaican *Rubus* berry species”. 4th International Conference and Exhibition on Food Processing & Technology. August 10–12, 2015, London, UK.
- Theresa Campbell, **Camille Bowen-Forbes**, Ian Thompson, Nyron Nembhard, Ruby Lindo, Joette McKenzie, Joette McKenzie, Rupika Delgoda. “A Comparative Analysis of the Sensory and Phytochemical Properties of two varieties of the Red Raspberry *Rubus Rosifolius* and the Antidiabetic Activity of its Extracts” 10th Conference of the Faculty of Science and Technology, UWI, Mona; June 9–11, 2015 (Oral Presentation)
- Theresa Campbell, **Camille Bowen-Forbes**, Williams Aalbersberg. “Phytochemistry and Biological Activity of Secondary Metabolites from *Rubus Rosifolius*”. World Nutraceutical Conference and Expo, July 15–17, 2015 (Poster Presentation)

- Alexa O Redway, Roxanne C Higgins, **Nadale Dower-Riley**, Yvette Jackson. “Alternative Route To The Synthesis Of Azacoumarins”. 10th Conference of the Faculty of Science and Technology, UWI, Mona; June 9–11, 2015 (Poster Presentation)
- Sanjay Campbell, **Winklet Gallimore**. “Marine Algal Natural Products with Anti-cancer Properties”. 10th Conference of the Faculty of Science and Technology, UWI, Mona; June 9–11, 2015 (Poster Presentation)
- April Johnson, **Helen Jacobs**. “Antimicrobial 4-Hydroxy-2-Octadec-(11Z)-Enoylcyclohexane-1, 3-Dione And Other Secondary Metabolites From Various Jamaican Peperomia Sp.” 10th Conference of the Faculty of Science and Technology, UWI, Mona; June 9–11, 2015 (Poster Presentation)
- Antoinette Gayle, **Donna A. Minott Kates**. “Jamaican coffee (*Coffea arabica* var. *typica*) grown at different altitudes: a comparison of caffeine and cup quality”. Cocotea 2015. Aveiro, Portugal, June 21–24, 2015.
- O’Neil C. Falloon, Gail S.H. Baccus-Taylor, Saheeda Mujaffar, and **Donna Minott Kates**. “A Preliminary Investigation into the Quantification and Isolation of Starch from Seeds of Ackee (*Blighia sapida*) Fruit”. Institute of Food Technologists, Chicago, USA, July 11–14, 2015.
- Littlelet Scarlet, **Paul Maragh**, Tara Dasgupta, Kamaluddin Abdur-Rashid. “Chiral Aminophosphine Complexes: Synthesis, Characterization and Application to Asymmetric Catalysis”. Presented at the 248th National Meeting of the American Chemical Society, San Francisco, CA, U.S.A., August 10–14, 2014.
- Shannen Lorraine, **Paul Maragh**, Tara Dasgupta, Kamaluddin Abdur-Rashid. Chiral Transition “Metal Diphosphine Complexes and Their Applications In Asymmetric Catalysis”. 10th Conference of the Faculty of Science and Technology, UWI, Mona; June 9–11, 2015
- Shannen Lorraine, **Paul Maragh**, Tara Dasgupta, Kamaluddin Abdur-

- Rashid. “Novel Chiral Transition Metal Diphosphine Complexes and Their Applications in Asymmetric Catalysis”. 10th Conference of the Faculty of Science and Technology, UWI, Mona, June 9–11, 2015.
- Shannen Lorraine, **Paul Maragh**, Tara Dasgupta, Kamaluddin Abdur-Rashid. “Novel Chiral Transition Metal Diphosphine Complexes and Their Applications in Asymmetric Catalysis”. 248th National Meeting of the American Chemical Society, San Francisco, CA, U.S.A., August 10–14, 2014.
 - Tamika Drummond, **Paul Maragh**, Tara Dasgupta. “Mechanistic Investigation of Hydrolytic Decompositions of Roussin’s black and Roussin’s red salts in Aqueous Acidic and Basic Solutions”. 249th National Meeting of the American Chemical Society, Denver, CO, U.S.A., March 22–26, 2015
 - Tamika Drummond, **Paul Maragh**, Tara Dasgupta. “Mechanistic Investigation of Hydrolytic Decompositions of Roussin’s black salt in Aqueous Acidic and Basic Solutions”. 10th Conference of the Faculty of Science and Technology, UWI, Mona; June 9–11, 2015 (Poster Presentation)
 - Samantha R. Brown-Dewar, Tara P. Dasgupta, **Paul T. Maragh**. “Residual Levels of Furan in Some Caribbean Foods and Its Kinetic Interactions with Low Molecular Weight Biological Reductants”. 51st Annual Meeting of the Caribbean Food Crop Society, Paramaribo, Suriname, July 19–24, 2015 (Poster presentation)
 - Samantha Brown-Dewar, **Paul Maragh**, Tara Dasgupta. “Residual Levels of Furan in Some Caribbean Foods and Its Kinetic Interactions with Low Molecular Weight Biological Reductants”. 248th National Meeting of the American Chemical Society, San Francisco, CA, U.S.A., August 10–14, 2014.
 - **Dipali Girish Nair**, Camille Bowen-Forbes. “Phytochemistry and health beneficial properties of Jamaican black raspberries, *Rubus racemosus*”. 10th Conference of the Faculty of Science and Technology, UWI, Mona; June 9–11, 2015 (Poster Presentation)

- Fabian Banton, **Roy Porter**, Petrea Facey. “Secondary Metabolites from the aerial parts of *Bursera aromatic*”. 10th Conference of the Faculty of Science and Technology, UWI, Mona; June 9-11, 2015 (Poster Presentation)
- Leslie Ann Hoo Fung, **Robin Rattray**, Gerald Lalor. “Assessment of cadmium, mercury and lead concentrations in Jamaican conch, lobster, and tilapia”. 10th Conference of the Faculty of Science and Technology, UWI, Mona; June 9–11, 2015 (Poster Presentation)
- Nijole Young, Michael Coley, **Vaughn Rattray**, Anthony Greenaway. “Powder X-ray Diffraction studies of the phosphorus minerals in Jamaican bauxites”. 10th Conference of the Faculty of Science and Technology, UWI, Mona; June 9–11, 2015 (Poster Presentation)
- Paula Henry, Michael Coley, **Vaughn Rattray**, Willard Pinnock. “The Influence of Ventilation Modes on In-vehicular Exposure to Carbon Dioxide”. 10th Conference of the Faculty of Science and Technology, UWI, Mona; June 9–11, 2015 (Poster Presentation)
- **Ruth Williams**, Camille Bowen-Forbes, Andrea Goldson-Barnaby, Dipali Nair. “Nutraceutical and phytochemical profile of aerial parts of Jamaican blackberry (*Rubus jamaicensis*). 10th Conference of the Faculty of Science and Technology, UWI, Mona; June 9–11, 2015 (Poster Presentation)
- **Marvadeen Singh-Wilmot**. “From Discrete Ln(III) Polynuclear Clusters to Metal Organic Framework Materials: Insights into Science For Development Of Caribbean States Like Jamaica”. George Washington University, July 2014 (Oral Presentation)
- **Marvadeen Singh-Wilmot**. “Insights into Science For Development Of Caribbean States Like Jamaica”. Merl Grove and Manchester High Schools, February, May and June 2015. (Oral Presentations)
- Jermaine Smith, **Marvadeen Singh-Wilmot**. “Rare Earth Metal Organic Framework materials from 2-Nitroterephthalate. 10th Conference of the Faculty of Science and Technology, UWI, Mona; June 9–11, 2015 (Poster Presentation)

- **Ian Thompson**. “Developing a Global Functional Beverage Product from Coconut Water Poster Session: Product Development & Ingredient Innovations”. Institute of Food Technologists - Annual Meeting & Food Exposition, McCormick Convention Centre, Chicago, Illinois, July 13, 2015 (Poster Presentation)

PUBLICATIONS

- **Jacobs, H.; Sadler-McKnight, N; McLean, S.; Piggot-Cumberbatch, P.; Corbin, G.; Taylor, M.** *Chemistry for CAPE® Examinations*; Macmillan, 2014.

Refereed Journal Articles

- **Mohammed Bakir**, Mark A.W. Lawrence, Shameal McBean, “Spectroscopic and electrochemical properties of group 12 acetates of di-2-pyridylketone thiophene-2 carboxylic acid hydrazone (dpktch-H) complexes. The structure of $[Cd(3-N,N,O-dpktch-H)_2]$ ” *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 2015 146, 323–330.
- **Mohammed Bakir**, Rebecca Conry, and Donovan Thomas, “Synthesis, solution properties, and solid-state structural analysis of $[Mn(4-N,N,S,N dpktsc)Br]_2 \cdot nCH_3CN$ ($n = 1$ or 0 and $dpktsc =$ di-2-pyridyl ketone thiosemicarbazone)” *Journal of Coordination Chemistry*, 2014, (67), 2 249–264
- Mark Lawrence, Yvette Jackson, **Willem Mulder**, Per Martin Bjo“remark, and Mikael Håkansson. “Synthesis and Structure of a Novel Substituted Benzothiazolyl-N-phenyl-2-pyridinecarbothioamide; Kinetics of Formation and Electrochemistry of Two of its Palladium Pincer Complexes”. *Australian Journal of Chemistry* 2014, 68(5) 731–741
- Grace-Anne Bent, **Paul T. Maragh**, Tara Dasgupta, Richard A. Fairman, Lebert Grierson. “Kinetic and Density Functional Theory (DFT) Studies of in vitro Reactions of Acrylamide with the Thiols:

Captopril, L-Cysteine, and Glutathione.” *Toxicology Research*, 2015, 4, 121–131.

- **Mulder Willem**, Forrest Crawford. “On the distribution of interspecies correlation for Markov models of character evolution on Yule trees”. *Journal of Theoretical Biology*. 2015, 364, 275–283.

INCOME GENERATION & RESEARCH GRANTS

Consultation fees, summer school and rental of facilities: J\$14.9M

Better Process Control School (payment received for invoice from previous year): J\$67,466.40

Dr. Paul Maragh and the Pesticide Research Laboratory’s Management Committee continued the pursuit of accreditation for the Pesticide Research Laboratory. The process was almost complete at the end of the academic year.

PUBLIC SERVICE

Dr. W. Gallimore

- Training Session for External Examiners of the Joint Board of Teacher Education (JBTE)
- External Examiner, Joint Board of Teacher Education (JBTE).
- Facilitator, The Rock Campus Connexion (A Christian ministry to tertiary level students)

Dr. P. Maragh

- Assistant Chief Examiner for CXC (CSEC) Chemistry.
- External Examiner for Chemistry – University of Technology
- External Examiner for Chemistry – Joint Board for Teacher Education
- External Examiner for Chemistry (Science & Technology) – MICO University

Department of Chemistry

- External Examiner for Chemistry – College of Agriculture, Science & Education
- Executive Member, National Council for Indian Culture in Jamaica.
- Treasurer, Campion College Home School Association.

Dr. D. Minott-Kates

- Member, National Food Standards Committee, Bureau of Standards Jamaica
- Chairman of the Board, Grove Primary School, Gordon Town Road, St Andrew
- Secretary, St. Andrew High School for Girls Parent Teachers Association
- Mona Preparatory School Parent Teacher's Association – Public Relations

Dr. R. Porter

- Board Member, Careers and Placement Services, UWI Mona.
- External Examiner for The MICO.
- External Examiner for CASE
- The National Mirror Committee (NMC) for ISO TC 93 Starch (Including Derivatives and By-Products), The Bureau of Standards Jamaica (BSJ)

STUDENTS

At the Faculty Award Ceremony held March 2015, eight undergraduate awards were made to students in Chemistry for their academic performance. They are Neenem Dilworth (Garfield Sadler), Mark Rambaran (Willard Pinnock), Alicea Scott (Bertram Frazer – Reid Prize), Toni – Ann Brown (Pavelich/Honkan), Tiffani Blackman (Cedric Hassall), Natasha Dyer (Wilfred Chan), Lauren Gordon (Leonard J. Haynes) and Desiree Brown (Chemistry Department).

DEPARTMENT OF COMPUTING



Dr. Ezra K. Mugisa, PhD London Imperial College, DIC, CITP
Head of Department

WORK OF THE DEPARTMENT

Curriculum Review

The ongoing curriculum review effort resulted in three minors, one revised and two new ones. The minor in Computer Science was revised to put it in line with the revised majors and two new minors – Software Engineering and Information Technology – were added. These are available as of 2015/16. Efforts were made to revive an old dormant programme – the Postgraduate Diploma in Information Technology (PGDIT). This is on offer as of 2015/16 and is being revised in line with the other revisions we have made. We now have the following programmes, majors and minors on offer during 2015/16:

Department of Computing

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		

WESTERN JAMAICA CAMPUS

We are on course to have our first graduate from the BSc IT programme at WJC and he is likely to get a First Class degree. Congratulations to the hard-working team at WJC which includes Ricardo Anderson and Devon Stoddart from the Department of Computing. We continue to encounter serious challenges in accessing streaming equipment for delivery of our courses to WJC.

Staffing

We regrettably lost one of our two Visiting Professors. Prof. Robert France of Colorado State University, who was born in Jamaica of Vincentian parents, died in March 2015. A graduate of UWI (St.

Augustine) and world-renown Software Engineer specializing in Software Modelling, he contributed selflessly to the Department for many years. We miss him even as he is resting in peace.

Professor KwekuMuataOsei-Bryson continues to strengthen our research programme through student supervision and mentorship of junior staff.

Two members of staff, Drs. Ashley Taylor and Daniel Coore, were on sabbatical leave during 2014/15. They were replaced by Mrs. Careene Rodney and Mr. Dean Jones and although we missed them their replacements did a good job. Dr. Hamilton-Taylor spent six months in Ethiopia and three months in the USA.

Miss Kerry-Ann Wilkinson, secretary, resigned and went abroad to pursue engineering studies. She was replaced by Miss Ka-Sheena Minott.

PRESENTATIONS AT ACADEMIC CONFERENCES

- McNaughton M, Mansingh G. and Rao L. (2015). Business Intelligence as an Enabler for Corporate Transformation. 6th Annual MSBM Roundtable on “Organizational Renewal, Transformation and Growth”, June 24, 2015, Kingston, Jamaica.
- Mansingh G., Osei-Bryson K.M. and Asnani M. (2014). Using a data mining process model – Taking data analysis beyond statistical techniques, poster presentation, Commonwealth Science Conference, Royal Society, November 25–28, 2014, Bangalore, India.

PUBLICATIONS

Chapters in Books

- Anderson, Ricardo, and Gunjan Mansingh.”KIISA: Towards a Reference Architecture for Integrated Knowledge Services.” In *Intelligent Systems*, 2014, pp. 247–257. Springer International Publishing, 2015.

Journal Article

- Anderson, Ricardo, and Gunjan Mansingh. "Data Mining Approach to Decision Support in Social Welfare." *International Journal of Business Intelligence Research (IJBIR)* 5, no. 2 (2014): 39–61.
- Anderson, Ricardo, "A Model for Data-driven Knowledge Creation and Improved Accountability in Jamaican Public Schools through ICTs" *The International Journal of Educational Organization and Leadership* 21, no. 2 (2015): 1–7.
- Ewedafe S. U, & Rio H. S. "Distributed Cluster Computation for 2-D Telegraph Problem with MPI *Modified*." *Canadian International Journal of Science and Technology* Volume 2, pp. 211–218
- Ewedafe S. U, & Rio H. S. 2014. "Domain Decomposition of 2-D Bio-Heat Equation on MPI and PVM Clusters." *International Journal of Emerging Trends & Technology in Computer Science (IJETTCS)*, Vol. 3. Issue 5, pp. 102–115, Impact Factor 2014 = 3.258
- Mansingh, Gunjan, Kweku-Muata Osei-Bryson, and Monika Asnani. "Exploring the antecedents of the quality of life of patients with sickle cell disease: using a knowledge discovery and data mining process model-based framework." *Health Systems* (2015).

Peer-reviewed Conference Proceedings

- Anderson, Richard, Stascia Gordon, and Gunjan Mansingh. "An assessment of the potential impacts of knowledge-driven decision support in social welfare." In Global Humanitarian Technology Conference (GHTC), 2014 IEEE, pp. 499–505. *IEEE*, 2014.
- Anderson, Ricardo, and Gunjan Mansingh. "KIISA: Towards a Reference Architecture for Integrated Knowledge Services." In *Intelligent Systems*, 2014, pp. 247–257. Springer International Publishing, 2015.
- Ewedafe S. U. "Parallelization of 2-D ATCP with Parallel Virtual

Machine.” In *International Conference on Applied Science, Engineering and Technology* (ICAE 2015), Lynbrook New York, U.S.A. 11th - 12th April 2015

- Ewedafe S. U. “Parallel Domain Decomposition for 2-D ATPC with SOR Scheme on Parallel Virtual Machine”. In *International Conference on Business, Applied Science and Technology* (ICBAT 2015), Humber College, Toronto, Canada 4th–5th May 2015
- Ewedafe S. U., & Rio H. S. 2014. “Distributed Cluster Computation for 2-D Telegraph Problem with MPI.” In *International Conference on Advances in Computer Science, Engineering & Architectures* (ICCEA 2014), Simon Fraser University Vancouver – Canada 19th –20th November 2014.
- A. O. Drummonds and D. T. Fokum, “Towards analysing the effects of node mobility on the accuracy of Wi-Fi triangulation,” in *SoutheastCon* 2015, Ft. Lauderdale, FL, USA: IEEE, April 2015, pp. 1–7.
- Beckford, Carl, and Ezra Mugisa. “Learning Management Systems–The Current Picture.” In *World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education*, vol. 2014, no. 1, pp. 153–163. 2014.
- Carl Beckford & Ezra Mugisa, “Learning Management Systems – The Current Picture”, E-Learn 2014 – World Conference on E-Learning, New Orleans, LA, USA, October 27–30, 2014.
- Miller K. and Mansingh G. (2015). Comparing the use of Mobile Intelligent Agents vs Client Server Approach in a Distributed Mobile Health Application. In proceedings of 4th International Conference on Database and Data Mining (ICDDM 2015), Chicago, USA, July 2–4, 2015.
- Uwaoma, Chinazunwa, and Gunjan Mansingh. “Towards real-time monitoring and detectime monitoring of asthma symptoms on resource-constraint mobile device.” In *Consumer Communications and Networking Conference (CCNC)*, 2015 12th Annual IEEE, pp. 47–52. *IEEE*, 2015.

Department of Computing

- Beckford, Carl, and Ezra Mugisa. “Learning Management Systems—The Current Picture.” In *World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education*, vol. 2014, no. 1, pp. 153–163. 2014.
- Gaynor, Paul, and Daniel Coore. “Distributed face recognition using collaborative judgement aggregation in a swarm of tiny wireless sensor nodes” In *SoutheastCon 2015*, pp. 1–6. IEEE, 2015.

SCHOLARLY ACTIVITIES

Ricardo Anderson

- Reviewer: Knowledge Management Research and Practice Journal, 2015

SimonEwedafe

- Member of Editorial Board for *Journal of Agriculture and Life Sciences*
- Reviewer and Member: *International Journal of Computer Sciences and Engineering (IJCSE)*, 2014.
- Reviewer: *International Journal of Electrical Power & Energy System (IJEPES)*, 2014
- Member: American Association for Science & Technology (AASCIT)

Daniel Fokum

- Reviewer: *IEEE Communications Magazine*
- Reviewer: IEEE SoutheastCon 2015
- Proctor: IEEEExtreme Programming Competition (2014).
- Coach: ACM Intercollegiate Programming Competition (2014).
- One of 200 young researchers invited to participate in the 3rd Heidelberg Laureate Forum, a forum where 200 young researchers are invited to a five day academic session with winners of the ACM A.M. Turing Award, Abel Prize, Fields Medal, and Rolf Nevanlinna Prize.

- SIGCOMM 2015 travel grant. Award=\$2000.
- SIGCSE 2015 travel grant. Award=\$500 + registration fee.

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	13,373,772.91	9,068,203.36	4,305,569.55
Cisco Networking Academy	1,786,000.00	1,917,921.11	-131,921.11
Summer School	2,340,171.00	1,602,114.90	738,056.80
Consultancy	837,137.88	60,000.00	777,137.80

STUDENTS

Student Throughput

The table on page 361 shows a breakdown of the numbers of students who graduated from the various programmes we offer:

Student Awards and Prizes

The Karl Robinson Award was won by Mr. Ritesh Reddy 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.

Our students won the AgriHack Talent Caribbean competition

Eight teams of young application developers, coming from six Caribbean countries took part in the Regional Finals of the AgriHack Talent

Department of Computing

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			4	2	6
		F		1	2		3
		Total		1	6	2	9
BSc (CS)	FST	M	3	3	7	6	19
		F	1	4	2		7
		Total	4	7	9	6	26
BSc (SWEN)	FST	M			1		1
		F					
		Total			1		1
MSc (CS)	FST	M				7	7
		F				2	2
		Total				9	9
MSc (CBMIS)	FST/FSS	M	9			3	12
		F	11			7	18
		Total	20			10	30
MPhil	FST	M					
		F				1	1
		Total				1	1

competition at the Caribbean Week of Agriculture in Paramaribo, Suriname from 5–9 October 2014. The competition was won by team Node420 from our department. Team members were Orane Edwards and Jason Scott. Their product, also called Node420, can provide real-time weather analysis for more accurate weather forecasts; this app includes a hardware that is an additional point of information for farmers who are interested in maximizing the productivity of their farm. Yield estimate forecasts are made based on algorithms that take several data sources into account. For their efforts they won 5,000 Euros plus six

months of incubation. We entered two teams in the competition, and they were accompanied to Suriname by their mentor Dr. Curtis Busby-Earle.

The AgriHack Talent Caribbean was organised by the Technical Centre for Agricultural and Rural Cooperation (CTA), a joint international institution of the African, Caribbean and Pacific (ACP) Group of States and the European Union (EU). CTA's mission is to advance food and nutritional security, increase prosperity and encourage sound natural resource management in ACP countries.

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 2014–2015 academic year as well as continuing as Acting Head of the Earthquake Unit. Dr Arpita Mandal took over the coordination of Graduate Students in the Department, Dr David Miller coordinated examinations, and Prof David Barker and Dr Thomas Stemann coordinated the Geography and Geology programmes respectively.

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. At the end of the 2014–2015 academic year Prof David Barker retired after a long and distinguished career at the UWI. He has been honoured with an emeritus professorship at the UWI. Mr Robert Kinlock and Miss Taneisha Edwards were employed to teach in Geography and

Geology respectively, and Dr Donovan Blissett and Miss Rose-Ann Smith taught courses in the Department on part-time contracts. Dr Leo Douglas completed his stint in Jamaica and has now taken up a position in Colombia. Dr Thera Edwards began a two year leave of absence to undertake project coordination in the Institute for Sustainable Development, and in her place, Miss Rose-Ann Smith was employed as a short-term replacement to run the Map Library. Mrs Nadine Sherlock left the Department at the end of the academic year to take up a position with Prof Dale Webber the new PVC for Graduate Studies. 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. Both the new major in Geosciences and the new minor in Human Geography were offered for the first time.

The Department ran two workshops during the year on training on Tsunami Modelling and Hazard Assessment in collaboration with the Environmental Hydraulics Institute IH Cantabria, AECID (Spanish Corporation Agency), the Caribbean Disaster and Emergency Management Agency (CDEMA), the UWI Earthquake Unit, and the Office of Disaster Preparedness and Emergency Management (ODPEM). The workshops were hosted by the Department of Geography and Geology and ran from the 15th–19th of September, 2014, and the 26th–30th January, 2015. Funding came from by AECID and Chilesana.

Members of the Department attended major conferences in the region. Three staff members (Dr Arpita Mandal, Dr David Miller and Dr Kevon Rhiney) and three graduate students from the Department attended the American Association of Geographers Annual Meeting in Chicago, 21st–25th April, 2015, where they presented a series of papers and posters. Three members of the Department (Prof Simon Mitchell, Dr Thomas Stemann and Dr Sherene James-Williamson) attended the 20th Caribbean Geological Conference in Trinidad in May, 2015. A total of five presentations and posters were presented. Prof Simon

Mitchell also attended the meeting of the Standing Committee to consider the venue for the 21st Caribbean Geological Conference to be held in 2018.

Dr Kevon Rhiney attended the Forum on the Future of the Caribbean held in Port-of-Spain, Trinidad, 5th–7th May 2015. The forum was organized by the United Nations Development Programme in collaboration with the Government of the Republic of Trinidad and Tobago. Dr Arpita Mandal attended a workshop from the 27th–31st July 2015 in Quito, Ecuador, organized by CDKN–ICLEI on Sub-national Climate Compatible Development.

Dr Arpita Mandal was a member of the committee for the 10th Faculty of Science and Technology (FST) Conference, UWI MONA, which was held in May, 2015. Four research students from the Department (Andre Reid, Natalie Robinson, Shaneica Lester and Ann Teresa Birthwright) gave oral presentations and two research students (Amal Sealy and Anuradha Maharaj) presented posters. An undergraduate student, Sarah Buckland, also presented an oral presentation and received a prize for the best presentation by an undergraduate student at the conference.

Anuradha Ann Maharaj received an M.Phil. degree in Geology for her thesis entitled “Analysing high intensity, rainfall-driven, river flooding in Port Maria, St. Mary, Jamaica” in July of 2015.

Shaneica Lester, an M.Phil student in Geography in the Department, presented at the 23rd Annual Caribbean Water and Waste Water Association Conference and Exhibition, “Water Waste and Energy in the Caribbean” in Nassau, Bahamas (6–10th October 2014), was a participant in the Water After Borders Summit entitled “Global Stakes and Local Politics” at the University of Illinois, Chicago (23rd–24th April 2015) and was a recipient of a Summer University Program (SUN) Scholarship to attend the Central European University for the course titled: “Bridging ICTs and Environment- Making Information Talk and Technologies Work for Water Security: Remote Sensing”, Budapest, Hungary (6th–10th July 2015).

Dr Sherene James-Williamson was the Guest Presenter for the Moruga

Museum, Trinidad, at their “Meriken-African Heritage Day” Opening Ceremony on the 22nd of May, 2015. She also attended the Commonwealth Association of Museums, Museums Association of the Caribbean, ICOM-ICTOP, Barbados Museums and Heritage Society sponsored Museums Education Workshop held in Barbados 17th–19th June, 2015.

Professor Simon Mitchell received the Vice Chancellor’s Award for Excellence in the areas of Research and Public Service for his work on geology in the Caribbean Region. He also received the Chubb Award for Excellence from the Geological Society of Jamaica at a ceremony held in January of 2015. Dr Kevon Rhiney received the 2014/2015 Principal Award’s for Research Project with the Greatest Business/Economic/ Development Impact, in the Faculty of Science and Technology.

The UWI Geology Museum (UWIGM) hosted approximately 800 visitors, largely comprising students and teachers during Research Days and GIS Day. Various rural and local area schools were also accommodated as part of the Jamaican primary, secondary and tertiary curriculum. The UWIGM hosted Miss Emma Locatelli a researcher from the Department of Geology and Geophysics, Yale University, who is working with Dr Thomas Stemann. Her collaboration has gained the museum additional specimens which she will continue to work on over a period of time and a cabinet to house these new items. The UWIGM in collaboration with the UWI Museum hosted the Museums Association of the Caribbean annual conference and AGM at the Mona Visitors’ Lodge 16th-20th November 2014. This conference saw persons from North America, Europe and the wider Caribbean in attendance. The UWIGM hosted a volunteer for 30 hours this summer from the Kingsway High School as part of the school’s outreach programme.

PAPERS PRESENTED

- **David Barker**, T. Malcolm and D. Campbell. “Understanding the social dimensions of marine protected areas (MPAS) in Jamaica: an assessment of fishers’ perceptions and attitudes towards special fishery

conservation areas (SFCAS) across the island.” Annual Conference SEDAAAG, November, 2014. Athens, Georgia.

- **Sherene James-Williamson** and Simon F. Mitchell. “Deposition Architecture of a fluvio-deltaic to reef crest succession, Port Morant Formation, Jamaica.” Oral Presentation. Abstract published in “Abstracts and Programmes 20th Caribbean Geological Conference, June 17–22, 2015”, p. 58.
- **Sherene James-Williamson** and Simon F. Mitchell. “Source of the Seville Stones?” Oral Presentation. Abstract published in “Abstracts and Programmes 13th Archaeological Society of Jamaica Symposium, April 8–9, 2015”, p. 10.
- **Sherene James-Williamson**. “Assessment and conservation of an outdoor exhibit: the Geography Geology Obelisk.” Oral Presentation. In: Sherene James-Williamson and Suzanne Francis-Brown (Eds.), “Innovation, Research & Education – the future of Caribbean Museums. Museums Association of the Caribbean Annual Conference and AGM Kingston, Jamaica November 16–20, 2014, Abstracts and Programmes.”
- **Sherene James-Williamson**, Rupert D. Green and Andre D. Reid. “Spatial and Image analysis at the intersection of Geology and Archaeology.” Oral Presentation. “LICJ Symposium, November 13, 2014”, The University of the West Indies, Mona.
- **Aripta Mandal**, Simon F. Mitchell and K.A. Mitchell. “The Standard for Tsunami Inundation Modelling.” Oral Presentation. CDEMA - ODPEM CHILESPANA AECID workshop, Regional Seismic and Tsunami Risk Workshop, 3rd March 2015, ODPEM Headquarters, Jamaica.
- **Arpita Mandal**, R. Richards, A. Nandi and M. Codling. “Flood Hazards in Jamaica: The impact of hurricanes, tropical storms, and the development of a Parish Based Disaster Risk Information Platform (DRIP)”. Oral Presentation. Annual Conference of the Jamaica Institute of Engineers, 22nd September, 2014, Pegasus, Kingston, Jamaica.

- **Arpita Mandal** and A. Maharaj. “The importance of hydroinformatics in hazard assessment: the use of HEC-HMS & HEC-GEOHMS to analyze flooding in Port Maria, St. Mary, Jamaica”. Oral Presentation. 23rd Annual Caribbean Water and Wastewater Association Conference, October 6–10, 2014, Bahamas.
- **Arpita Mandal**, M.Taylor, T. Stephenson, J. Campbell and A. Brown. “Scenarios of discharge for the Hope River Watershed in response to variable tropical cyclone characteristics.” Oral Presentation. CARIWIG stakeholder workshop held in Barbados, 10th–12th February 2015.
- **Arpita Mandal**, T. Stephenson, M. Taylor, A. Brown and J. Campbell. “Simple model for advection of storms and hurricanes (Smash) and watershed modelling.” Oral presentation. IV Congreso sobre Cambio Climático, 6th–10th July 2015, Havana, Cuba.
- **Arpita Mandal**, Arpita Nandi, Matthew Wilson and David Smith. “Flood Hazard mapping in Jamaica using Principal Component and Logistic Regression.” Oral Presentation. Annual Meeting of the Association of American Geographers, Chicago, 21st–25th April 2015.
- **David Miller** and T. Rodriguez. “A 1300 year drought history of the Yallahs region, St. Thomas, Jamaica.” Oral Presentation. Annual Meeting of the Association of American Geographers, Chicago, 21st–25th April 2015.
- **Simon F. Mitchell**. “Jamaica and Earthquake Risk.” Oral Presentation. Warden Conference, 12th September 2014, U.S. Embassy, 142 Old Hope Road, Kingston, Jamaica.
- **Simon F. Mitchell**. “James Gay Sawkins in Cuba 1835-1847 from Habana to St Jago-de-Cuba.” Oral Presentation. Invited talk, Jamaican Historical Society, Annual General Meeting, 5th March 2015, Social Welfare Centre, The University of the West Indies, Mona, Kingston 7, Jamaica.
- **Simon F. Mitchell**. “Rise and Fall of the American Rudists.” Oral

Presentation. Invited Talk. Florida International University, 10th April 2015.

- **Simon F. Mitchell**, Alan Hastie and Richard N. Abbott. “Late Cretaceous to early Paleogene geological evolution of Jamaica.” Oral Presentation. 20th Caribbean Geological Conference, Hyatt Regency Hotel, Port-of-Spain, Trinidad, 17–22nd May 2015.
- Kevin Tankoo and **Simon F. Mitchell**. “Geotectonic Evolution and Stratigraphy of the North Coast Belt Jamaica: New Insights on the Structure and Petrophysical Characteristics of Eocene-Miocene Successions.” Oral Presentation. 20th Caribbean Geological Conference, Hyatt Regency Hotel, Port-of-Spain, Trinidad, 17–22nd May 2015.
- **Simon F. Mitchell**, Richard Coutou, Adam Khan and Dana Tankoo. “Rudist Bivalves from the Lower Cretaceous of Trinidad.” Poster Presentation. Poster. 20th Caribbean Geological Conference, Hyatt Regency Hotel, Port-of-Spain, Trinidad, 17–22nd May 2015.
- **Kevon Rhiney**, Taylor, M., Mandal, A., Stephenson, T., Campbell, J., Tomlinson, J. and L. Waller. 2015. “Towards Developing a Climate Change Strategy and Action Plan for Jamaica’s Agriculture Sector: Overview and Insights.” Oral Presentation. Climate-Smart Agriculture Symposium, Knutsford Court Hotel, Kingston, 16th July 2015.
- **Kevon Rhiney**. “Climate Impacts and Resilience in Caribbean Agriculture.” Oral Presentation. IV Congreso sobre Cambio Climático, Havana, Cuba, 6th–10th July, 2015.
- **Harvey, E.** and **Kevon Rhiney**. 2015. “Agritourism Potential in the Caribbean: Lessons for the Pacific.” Oral Presentation. Inaugural Pacific Week of Agriculture and Agribusiness Forum, Nadi, Fiji, 2nd July 2015.
- **Kevon Rhiney**, T. Lopez-Marrero and T. Walker. 2015. “Building Climate Resilient Urban Communities in the Caribbean: Insights from Jamaica.” Oral Presentation. paper presented at the Annual Meeting of the Association of American Geographers, Chicago, April 21, 15pp.

- **Kevon Rhiney.** “Climate Impacts and Resilience in the Caribbean: Report on Work Package 3.” Oral Presentation. UWI/CARIBSAVE/CDKN Stakeholder Consultation Workshop, Mona Visitors Lodge, Kingston, Jamaica, 22nd January 2015.
- **Kevon Rhiney.** “Vulnerability and Resilience Among Caribbean Farmers to Climatic Variability and Change: Case Study of Cocoa Farmers.” Oral Presentation. Commonwealth Geographical Bureau (CGB) Workshop, Jamaica, 14th–15th April, 2015, Knutsford Court Hotel, Kingston.
- **J. Tomlinson and Kevon Rhiney.** 2015. “Experiential Learning, Resilience Building and Climate Change: A case study of rural smallholder farmers in Northern Clarendon, Jamaica.” Oral Presentation. Commonwealth Geographical Bureau (CGB) Workshop, April 14th-15th 2015, Knutsford Court Hotel, Kingston, Jamaica.
- **Thomas Stemann.** “Age and paleoecology of the earliest Cenozoic Caribbean coral reef communities.” Oral Presentation. 20th Caribbean Geological Conference, Hyatt Regency Hotel, Port-of-Spain, Trinidad, 17th–22nd May 2015.

PUBLICATIONS

Books and Journals

- **Sherene James-Williamson and Simon F. Mitchell** (Editors). *Caribbean Journal of Earth Science* Volume 47, 19 pp., Geological Society of Jamaica, Kingston, Jamaica.

Refereed Book Chapters and Journal Articles

- **David Barker and R. Smith.** “Land and Livelihoods among the Black Carib communities of North East St Vincent: Case studies of agro-processing.” *Caribbean Geography*, 18 (2014), pp. 64–83.
- **Thera Edwards.** “Towards an historiography of the Hill Gardens at Cinchona, Jamaica.” *Caribbean Geography*, 19 (2014), pp. 69–88.

- C. Burgess, M. Taylor, T. Stephenson and **Arpita Mandal**. “Frequency analysis, infilling and trends for extreme precipitation for Jamaica (1895 to 2100).” *Journal of Hydrology: Regional Studies*, vol. 3 (March 2015), pp. 424–443, Elsevier.
- C. Burgess, M. Taylor, T. Stephenson, **Arpita Mandal** and L. Powell. “A Macroscale Flood Risk Model for Jamaica with impact of climate variability.” *Natural Hazards*, vol. 77 (2015), pp. 89–100. (DOI 10.1007/s11069-015-1712-z), Springer.
- **Simon F. Mitchell**. “A reassessment of the validity and affinities of *Belemnites sulcatus* Miller 1826, *Belemnopsis* Edwards in Gray 1849 and *Belemnopsis* Bayle 1878.” *Carnets de Géologie* [Notebooks on Geology], vol. 15 (2015), pp. 31–39.
- **Simon F. Mitchell** and R. Ramsook. “Discussion of Jamaican Cenozoic ichnology: review and prospectus: (v. 50, pp. 364–382)” *Geological Journal*, vol. 50 (July/August 2015), pp. 539–542.
- **Simon F. Mitchell** and **Sherene A. James-Williamson**. “An Enormous Fossil Shell – the inspiration that led to the description of Jamaica’s fossil rudist bivalves.” *Jamaica Journal* vol. 15 (2015), 62–64.
- **Simon F. Mitchell**. “Comment on "Urchins on the edge: an echinoid fauna with a mixed environmental signal from the Eocene of Jamaica" by C. van den Ende and S. K. Donovan [Swiss J. Palaeontol. DOI 10.1007/s13358-015-0072-3].” *Swiss Journal of Palaeontology*, Vol. 134 (2015), pp. 143–144.
- **Simon F. Mitchell**. “Geology of the parish of St Catherine (1:50,000 scale).” Geological Map (2015). Department of Geography and Geology, The University of the West Indies, Mona, Kingston, Jamaica.
- **Kevon Rhiney**. “Geographies of Caribbean Vulnerability in a Changing Climate: Issues and Trends.” *Geography Compass* (2015), pp. 1–18. doi: 10.1111/gec3.12199.

Non-referred Papers

- **Sherene A. James Williamson.** “Geological Assessment of the Jeffery Town-Wallenford Watershed Area.” Prepared for ACIDI/VOCA (2015).
- **Kevin Rhiney,** Anestoria Shalkowski, Dale Webber, Mona Webber, Llewelyn Meggs, Rachel Allen, April Baptiste and **Robert Kinlocke.** “A socio-economic survey and carrying capacity study of the Pedro Cays: Northeast Cay and Middle Cay, Jamaica.” Final Report (2015). Fisheries Division, Ministry of Agriculture & Fisheries, Government of Jamaica, 179 pp.
- **Kevin Rhiney.** “The Potential for Agrotourism Development in the Caribbean.” Prepared for the Technical Centre for Cooperation on Agriculture (CTA and the Inter-American Institute for Cooperation on Agriculture (IICA)), 2015, 128 pp.
- **Kevin Rhiney.** “The State of Climate Smart Agriculture in the Caribbean: Final Country Report – Jamaica.” Prepared for the Inter-American Institute for Corporation on Agriculture (IICA), 2014, 35 pp.

PUBLIC SERVICE

David Barker

- External Examiner in Geography for the Joint Board of Teacher Education (JBTE).
- Editor, *Caribbean Geography*.
- Convenor, *CAPE Geography*.
- Editorial Committee, *CaribXplorer Magazine*.
- Editorial Board, *Caribbean Quarterly*
- Council member, Jamaican Geographical Society

Sherene James-Williamson

- Editor, *Caribbean Journal of Earth Science*
- Editor, *Museums Association of the Caribbean*
- Vice President – Museums Association of the Caribbean
- Deputy Chair – Heritage Clubs of Jamaica
- Board Member – Empowered Caribbean Community (EmPCC)
- First Vice President, UWI Alumni Association, Jamaica Chapter
- UWI Representative – Land Information Council of Jamaica (LICJ)
- Committee Member – National Restoration Committee
- Committee Member – Jamaica National Heritage Trust Declaration Committee
- External examiner – College of Agriculture, Science and Education
- External Examiner – Joint Board of Teacher Education
- Mentor – UWI Mentorship Programme

Arpita Mandal

- Member of Global Water Partnership Caribbean
- Council Member, Geological Society of Jamaica

Simon F. Mitchell

- Scientific Committee, International Congress on Rudist Bivalves.
- Scientific Committee, Caribbean Geological Conference.
- Editor, *Caribbean Journal of Earth Science*.
- 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, 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
- National Fisheries Policy Steering Committee: Climate Change and Disaster Risk Management sub-committee

STUDENTS

Undergraduate Students: Geography

Year I	142
Year II	50
Year III	29

Undergraduate Students: Geology

Year I	95
Year II	37
Year III	33

Postgraduate Students

MPhil Geography	6
MPhil Geology	2
PhD Geography	3
PhD Geology	2

DEPARTMENT OF LIFE SCIENCES



Professor Paula Tennant BSc *UWI*, PhD *Cornell University*
Head of Department

WORK OF THE DEPARTMENT

Undergraduate Programmes

The numbers of students enrolled in Level 1 Life Sciences courses in 2014/15 were maintained at the high levels we have been experiencing over the past six years. In all, 571 students were enrolled in the Biology courses offered in semester 1 and 557 in courses offered in semester 2. Enrolment at Level 2 decreased by up to 30% and by 20% in the environmental courses. The Level 1 courses saw decreased passes in the 2014/15 academic year. Semester 1 courses (BIOL1017 and BIOL1018) averaged 49 and 56% pass, respectively, while semester 2 courses (BIOL1262 and BIOL1263) averaged 62% and 40%. Passing rates in previous years have fluctuated around an average of 60%-70%. The performance of students at Level 2 improved or was close to the historical precedent (45-100%). Percentage passes of 62% and higher were obtained with most the courses (78%) at level 3. While the distribution of

percentage passes across the courses is comparable to that under the previous GPA scheme, faculty and students are still accommodating the revised GPA scheme. As regards the 2014-15 graduating class, 108 graduated with BSc degrees in Biology– 5 with first class honours and 22 with upper second class honours.

This past year DLS offered the amended B.Sc. single majors and minors including a new minor in Coastal Ecosystems and two courses, BIOL3410 Water Pollution and Vertebrate Biology ZOOL3405, which were developed under the 2010/11 curriculum reform. The Department continued its curriculum review process in 2014/15; this in an effort to strengthen the programmes and provide students greater flexibility in completing their courses of study. The core courses and electives of the single major in Horticulture were reviewed and additional electives were added to the BSc Environmental and BSc Experimental Biology. Approvals are to be acquired for first offering in 2016/17.

Summer School

The DLS summer school was efficiently managed by our summer school coordinator, Dr. Gale Persad. A total of 332 students registered for and sat 39 courses. All courses were ‘MEX exams-only’ sittings of previously offered courses. Summer School continues to provide the opportunity for students to recover from failure, thus completing their degree in a timely manner and has also become a source of income generation for the Department. Overall performance at levels 1 (40-59% pass), 2 (50-100% pass) and 3 (60-100% pass) was found to be similar to that of students in the normal semesters. The summer semester facilitated the offering of the courses, Diving for Scientists and Internship. Some 26 students, registered in the latter course, were placed in organizations across the island as well as in Trinidad and the Bahamas. The programme was coordinated by Dr. Eric Garraway, who did an excellent job along with Dr. Persad and Mrs. Debbie Ann Brown. Five students registered for research projects over summer.

Taught Graduate Programmes

Cohorts of 3 and 29 (2013/14, 2012/13, 2011/12) students are pursuing MSc Degrees in MaTE and Agricultural Entrepreneurship, respectively. As in 2012/2013, the revised MSc in Plant Production and Protection (PPP) was not offered 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

One new PhD and 4 new MPhil students joined the department at the start of the 2014/15 academic year. Two MPhils successfully upgraded to PhDs and four PhD and 3 MPhil students completed degrees. The Department was recognized by the Mona Research and Publications and Graduate Awards Committee and the Office of Graduate Studies and Research for outstanding performance in the development of Research Students in the academic year 2013-2014.

Research Output

During 2014/15, DLS' research output consisted of 31 conference presentations 34 referred publications, and 1 non-refereed article/technical report. The crude average, based on 14 academic staff and 4 at Principal Scientific Officer level or above, a total of 18 staff producing in these categories, gives 3.7 publications per staff member when all categories of publications are considered (total = 66). Last year 2013/2014, the average was at 2.7 and the year before 2012/2013, 2.2. Of note, the impact factors for the journals published range up to 2.73.

Six oral presentations and six posters were presented by graduate students at the 10th Faculty conference. Research projects of our undergraduate students were also recognized at the Faculty conference. Five posters were presented. The prize for the Best Undergraduate Poster went to

Zoe Gordon who was supervised by Dr. Eric Hyslop. Nasheika Guyah was given honourable mention on her oral presentation at 38th Annual Larval Fish Conference, in Canada, by the judging committee for the Sally-Richardson Award which is given to the best student oral presentation. Nasheika competed against 29 students from across the United States, Canada, Asia and Europe, and placed second. She is supervised by Dr. Mona Webber. In total, there were ten graduate student publications in peer reviewed journals during the reporting period. Minke Newman was recognized as producing the Best Research Publication (Article) (Jointly with Supervisors) from The Mona Research and Publications and Graduate Awards Committee in collaboration with the Office of Graduate Studies and Research. Dr. Newman was supervised by Dr. Kurt McLaren and Professor Byron Wilson.

Staff Matters

The Department continues to struggle to maintain the necessary complement of permanent, full-time lecturing staff in the face of losses due to retirement, resignation and secondment. Staff including scientific officers, technicians, gardeners and other ancillary staff must be commended for rising to this challenge and that of increased numbers of students coupled with curriculum changes.

The 2014/15 academic year saw the promotion of Dr. Dwight Robinson to the rank of Senior Lecturer. Drs. Mona Webber and Kurt McLaren returned from their sabbatical year in August 2014. The department said farewell to Ms. Joan Evans, Senior Laboratory Technologist, who retired in April 2015 after 35 years of service to the University. Six members of staff were recognized for their long service to the UWI in December, 2014. Ms. Daphne Cooper, Annmarie Hosang, Theresa Fuller and Suzette Robinson for 15 years of service, Dr. Margelette Ellis-Tabanon for 21 years, and Mr. Windell Christie for 30 years.

Special awards were presented to Prof. Dale Webber, Dr. Mona Webber, and Dr. Karl Aiken at the Faculty Awards ceremony held in March 2015. Dr. Mona Webber and Prof. Dale Webber (along with Dr. Kevon

Rhiney from the Department of Geography & Geology) were among the outstanding researchers recognised for the Research Project with the greatest business/economic development impact. Congratulations were extended to Dr. Aiken on his being awarded a Silver Musgrave Medal by the Institute of Jamaica for distinguished eminence in the field of Science. The award was presented by the Institute in October 2014. Mr. Garcia Gayle and Ms. Patrice Francis were presented special awards in recognition of their outstanding service and contributions to the Port Royal Marine Laboratory and the Centre for Marine Sciences, respectively. Dr. Webber's contributions to wider Jamaica were recognized on International Women's Day. Dr. Webber was among nine women awarded the Women's Leadership Initiative 2015 International Women's Day Award. The ceremony 'Paying it forward' was held in March 2015. Prof. Byron Wilson received the 2014/2015 Vice-Chancellor's Award for Excellence.

Port Royal Marine Laboratory (PRML)

The Port Royal Marine Laboratory (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 2015 and accommodated three Interns registered in the Internship course BIOL3412. More than six 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. Workshops on mangrove assessment and replanting techniques were conducted for NGO groups in the areas adjacent to the forests and basic sampling equipment (purchased under the project) were given to the NGOs for future monitoring. Replanting of 6,396 mangrove and 50,000 sand dune plants along the Palisadoes roadway was conducted under the Palisadoes Vegetation Restoration Project. Another project with The US

Dept of the Interior saw to the installation of renewable energy systems at PRML in July 2015. PRML participated in 24 onsite or offsite outreach activities for the year reaching over 3,000 members of the public including the annual Marine Mania Summer camps over two weeks to children during the summer period (July 13–24, 2015). Forty children from ages 5–9 and 10–14 were hosted in successive weeks. Other outreach activities included setting up a display at Caribbean Maritime Institute for Maritime Awareness Week (September 24 & 25, 2014), World Wetlands Day activities with Port Royal Primary school and Mico Practising Primary & Junior High School, and a beach clean-up with JMMB at the Port Royal bathing beach on Labour Day (May 23, 2015).

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 CMS/DBML experienced a highly productive year with 1 book chapter, 11 journal articles and 1 technical report based on work from in-house science staff and graduate students. The research programme continued to develop with some pre-existing projects such as the monitoring of NORANDA Maintenance Dredging activities, establishing a Seagrass Nursery and Phase 1 of the Palisadoes (mangrove and sand dune) Rehabilitation project being brought to completion. 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. A variety of new projects/consultancies were implemented – monitoring of an artificial reef (ECOREEF) installation (J\$6.5M); Coral Resilience studies (IDB- J\$39M); and the US Dept. of the Interior Renewable Energy Project J\$23M) which provided for the greening of DBML by the installation of a photovoltaic system, wind turbines and solar water heaters that immediately reduced the electricity bill by 36%. Teaching duties continued with the 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. More than 6,000 individuals benefited from the Lab's Outreach programme through site visits or offsite displays organized by the Scientific Officers. Eco Camp 2015 recorded the greatest number of campers to date. One hundred and twelve youngsters spent 3 weeks learning about sources of alternative and renewable energy.

PAPERS PRESENTED

- Aird R, J Cohen. "Benefits to maize grown in pots with nitrogen-fixing mucuna or cowpea rhizobial associations". 10th conference of the Faculty of Science and Technology. Mona, Kingston, June 9–11, 2015. Poster.
- Benkeblia N. "Free radical scavenging capacity and antioxidant properties of ribena (*Syzygium cumin*) during ripening". 29th International Horticultural Congress in Brisbane, Australia, August 17–22, 2014. Oral.
- Benkeblia N. "Free radical scavenging capacity and antioxidant properties of collie plum (*Ziziphus mauritiana*) during ripening. 29th International Horticultural Congress in Brisbane, Australia, August 17–22, 2014. Poster.
- Benkeblia N. "Logistics challenges for small and medium scale food processing units (SMS-FPU)". Workshop on Technologies shaping the future of value addition and reducing food losses at small and medium scale level: Sharing experience through South-South Cooperation, Stellenbosch University, Cape Town, South Africa, July 27–28, 2015. Oral.
- Benkeblia N. "Variation of starch, total phenolics contents, and reducing and total sugars in unripe and ripe jackfruit (*Artocarpus heterophyllus*) and West Indian locust (*Hymenaea corbarol*) fruits". 29th International Horticultural Congress in Brisbane, Australia, August 17–22, 2014. Poster.

- Brown R, S Lyew, G McCook, **D Robinson**. “The efficacy of a local strain of *Beauveria bassiana* against a Blue Mountain, Jamaica population of the coffee berry borer, *Hypothenemus hampei* (Ferrari)”. 25th International Conference on Coffee Science. Armenia, Colombia, September 8–13, 2014. Poster.
- Commock T, **P Rose**, J Francisco-Ortega, B Jestrow. “Conservation status and taxonomic updates for the Jamaican endemic genus, *Dendrocousinsia* (Euphorbiaceae)”. 10th conference of the Faculty of Science and Technology. Mona, Kingston, June 9–11, 2015. Poster.
- Dale R, M Taylor, **J Cohen**, A Coy, T Stephenson, L Simpson. “Towards Enhancing Sustainable Agriculture in the Caribbean in a Changing Climate.” 51st Annual Caribbean Food Crops Society Meeting, Paramaribo, Suriname, July 19–24 2015. Oral.
- Dale R., M Taylor, **J Cohen**, A Coy, T Stephenson, L Simpson. “Climate change and future Food Security: The Impacts on Root and Tuber Crops.” Climate Smart Agriculture Symposium, Jamaica Rural Economy and Ecosystems Adapting to Climate Change (JaREEACH), Kingston, Jamaica, July 16, 2015.
- Franklin T, **E Hyslop**. “The effect of variations in salinity on the composition of the benthic macroinvertebrate community of Salt River, Clarendon, Jamaica”. 10th conference of the Faculty of Science and Technology. Mona, Kingston, June 9-11, 2015. Poster.
- Gayle P, A Thorhaug. “Jamaica: Persistence of Seagrass restoration sites in the Tropics”. Joint meeting of Restore America’s Estuaries: 7th National Summit on Coastal & Estuarine Restoration and 24th Biennial Meeting of The Coastal Society. Washington. DC. November 1–, 2014.
- Gayle P, A Thorhaug. “Jamaica: Persistence of Seagrass restoration sites in the Tropics”. Joint meeting of Restore America’s Estuaries: 7th National Summit on Coastal & Estuarine Restoration and 24th Biennial Meeting of The Coastal Society, Washington. D.C., November 1–6, 2014.

Department of Life Sciences

- Golaub N, **P Rose**. “Knowledge, attitude and practices survey regarding safety in the laboratory among undergraduate students in the Department of Life Sciences at the University of the West Indies, Mona Campus. 10th conference of the Faculty of Science and Technology. Mona, Kingston, June 9–11, 2015. Poster.
- Goodwin S, **E Hyslop**. “A study of the benthic macroinvertebrate fauna of high altitude rivers in central Jamaica”. 10th conference of the Faculty of Science and Technology. Mona, Kingston, June 9-11, 2015. Poster.
- Gordon Z, R Robinson, P Ricketts, M Voutchkov, **E Hyslop**. “Analysis of metal and radionuclide content of the muscle of three species of fishes”. 10th conference of the Faculty of Science and Technology. Mona, Kingston, June 9–11, 2015. Poster.
- Gray A, **K Vaidya**. “The effect of inorganic nitrogen on the yield of pak choy, *Brassica rapa L*”. 10th conference of the Faculty of Science and Technology. Mona, Kingston, June 9–11, 2015. Poster.
- Guyah N, **M Webber**. “Baseline survey of ichthyoplankton in coastal marine reserves: implications for Jamaica’s fish stock”. 38th Annual Larval Fish Conference. Quebec, Canada, August 17-21, 2014. Oral.
- Henry D, C Trench, P Gayle. “Seagrass Stabilization: A Technique for Coastal Zone Rehabilitation”. Association of Marine Laboratories (AMLC) Scientific Meeting, Curacao, May 18–22, 2015. Oral
- Johnson J. “Host-Parasite and Diet Relationships in the Invasive Cane Toad, *Rhinella marina* (Anura: Bufonidae) in Jamaica”. 10th conference of the Faculty of Science and Technology. Mona, Kingston, June 9–11, 2015. Oral
- Kitson-Walters K, M Roye, **M Webber**. “Assessing the Genetic Connectivity of the Queen Conch, *Strombus gigas* in the Jamaican Fishery”. 10th conference of the Faculty of Science and Technology. Mona, Kingston, June 9–11, 2015. Oral
- Lewis P, **J Cohen**. “Floristics of Four Jamaican Dry Limestone Forests”. 10th conference of the Faculty of Science and Technology. Mona, Kingston, June 9–11, 2015. Poster.

- Lindo A, **D Robinson**, **P Tennant**. “Characterization of genetically unique cocoa (*Theobroma cacao*) genotypes located at Orange River germplasm collection, St. Mary using quantitative pod traits”. 10th conference of the Faculty of Science and Technology. Mona, Kingston, June 9-11, 2015. Oral
- Myrie A, **P Rose**. “A historical review of the flora of Peckham woodland, Clarendon, Jamaica. 10th conference of the Faculty of Science and Technology. Mona, Kingston, June 9-11, 2015. Poster.
- O'Connor A, **D Robinson**, T Dasgupta, K Drouillard. “Bioaccumulation of persistent organic pollutants in oysters and green mussels from southeastern Jamaica”. 10th conference of the Faculty of Science and Technology. Mona, Kingston, June 9-11, 2015. Oral
- O'Connor A, **D Robinson**, T Dasgupta, K Drouillard. “Steady state bioaccumulation of polychlorinated biphenyls in Atlantic sea bream (*Archosargus rhomboidalis*)”. 10th conference of the Faculty of Science and Technology. Mona, Kingston, June 9-11, 2015. Poster
- Oliphant Z, **E Hyslop**. “Determination of biomass and productivity, population dynamics and functional feeding categories of Benthic Macroinvertebrates in eight high altitude ponds (St. Ann, Jamaica)”. 10th conference of the Faculty of Science and Technology. Mona, Kingston, June 9-11, 2015. Oral
- **Rose P**, D Webber. “The Development and Future of the Jamaican Virtual”. Annual Museums Association of the Caribbean General Meeting and Conference. Mona, Kingston, November 16-19, 2014. Oral.
- Sewell S, **K Vaidya**. “The influence of plant density on the yield of red pea, *Phaseolus vulgaris*. 10th conference of the Faculty of Science and Technology. Mona, Kingston, June 9-11, 2015. Poster.
- Smith T, F Murray, **J Cohen**. “Rapid multiplication of cassava planting material: preliminary use of the multiple shoot removal technique on improved varieties new to Jamaica”. 10th conference of the Faculty of Science and Technology. Mona, Kingston, June 9-11, 2015. Oral

- Thomas L, **P Tennant**. “Diversity of pathogens associated with pumpkin (*Cucurbita pepo*) during commercial production”. 10th conference of the Faculty of Science and Technology. Mona, Kingston, June 9–11, 2015. Poster.
- Thomas S, C Trench, **M Webber**. “Assessment of Initial Seedling Growth, Survival and Natural Seedling Recruitment at a Mangrove Restoration Site in West Falmouth, Trelawny, Jamaica. 10th conference of the Faculty of Science and Technology. Mona, Kingston, June 9–11, 2015. Poster.
- Welch M, R Carreras De Leon, G Colosimo, G Gerber, T Grant, C Knapp, J Martin, A Rasberry, **B Wilson**. “The costs of small population size in Caribbean Iguanas and anticipating long-term threats to species persistence”. International Union for Conservation of Nature, Iguana Specialist Group, Puerto Ayora, Santa Cruz Galapagos, Ecuador, October 25–27, 2014. Oral.

PUBLICATIONS

Books, Book chapters & Monographs

- **Benkeblia N** (Ed). *Agroecology, Agrosystems and Sustainability*. CRC Press, Boca Raton, FL. 2014, 369 pp.
- **Benkeblia N** (Ed). *Omics Technologies and Crops Improvement*. CRC Press Taylor and Francis Group, Boca Raton, FL. 2014, 370 pp.
- **Benkeblia N**, CA Francis. “Agroecology Application in Tropical Agriculture Systems”. In: *Agroecology, Agrosystems and Sustainability*. N Benkeblia (Ed.). CRC Press, Boca Raton (FL). 2014, 201-220.
- **Benkeblia N**. “Advances in Omics for Improved Onion and Potato Quality”. In *Omics Technologies and Crops Improvement*. Ed N Benkeblia: CRC Press Taylor and Francis Group, Boca Raton, FL. 2014, 253-270.
- **Cohen J**, D Clarke-Harris, A Khan, W Isaac. “Sustainable Management of Invasive Species for Small Island Developing States under Changing

- Climates”. In *Impacts of Climate Change on Food Security in Small Island Developing States*. Eds W. Ganpat and W. Isaac. Hershey, Pennsylvania: IGI Global, 2014, 312-360.
- Tripathi S, L Castro, G Fermin, **P Tennant**. “Advances in Papaya Genomics”. In *Omic Technologies and Crops Improvement*. Ed N Benkeblia. CRC Press Taylor and Francis Group, Boca Raton, FL. 2014, 219-252.
 - **Webber M, D Webber**, C Trench. “Agroecology for Sustainable Coastal Ecosystems: A Case for Mangrove Forest Restoration”. In *Agroecology, Ecosystems, and Sustainability*. Ed N Benkeblia. CRC Press, Boca Raton (FL). 2014, 239-264.

Refereed Journal Articles

- Ainsworth P, **D Webber**. “Breeding Success of the Masked Booby (*Sula dactylatra dactylatra*, Pelecaniformes: Sulidae) at Middle Cay, Pedro Bank, Jamaica”. *Revista de Biología Tropical* 62, Suppl 3 (2014):159-167.
- **Benkeblia N**. “Metabolomics and Postharvest Sciences: Challenges and Perspectives”. *Acta Horticulturae* 1047 (2014):303-308.
- **Benkeblia N**. “Plant Science: Challenge or Dilemma”. *Plant Science Today* 2 (2015):1
- **Benkeblia N**. “Respiration Rate, Ethylene Production and Biochemical Variations of Ackee Fruit Arils (*Blighia sapida* Koenig) Stored Under Three Temperature Regimes”. *Postharvest Biology and Technology* 97 (2014): 36-43.
- **Benkeblia N**. ”Variation of Total and Reducing Sugars, Total Phenols and Total Anthocyanins in Custard Apple (*Annona reticulata*) During Three on Tree Ripening Stages” *Acta Horticulturae* 1047 (2014):147-151.
- **Boyd F, N Benkeblia**. “*in vitro* Evaluation of Antimicrobial Activity of Crude Extracts of *Pimenta dioica* L. (Merr.)”. *Acta Horticulturae* 1047 (2014):199-205.

- Chin D, D Webber, M Webber. “Status of the Coral Reefs in Foul and Folly Bays, Morant Wetlands, South-eastern Jamaica, with emphasis on corals and macroalgae”. *Revista de Biologia Tropical* 62, Suppl 3 (2014):39-47.
- Creary Ford M, L Jones Smith, S Green. “The Results of Long Term Coral Reef Monitoring at Three Locations in Jamaica: Monkey Island, Gorgo City and Southeast Cay”. *Revista de Biologia Tropical* 62, Suppl 3 (2014):65-73.
- Diop B, Benkeblia, N. “Correlation between Colour, Firmness, Dry Matter, Sugars And Maturity In 'East Indian' Mangoes (*Mangifera indica*)”. *Acta Horticulturae*. 1047 (2014):121-126.
- Ellis-Tabanor M, D Robinson, E Hyslop. “Bioactivity of the Alkaloids, Norharman and L-NMethylcrotonosine/Linearisine”. *OnLine Journal of Biological Sciences* 15 (2015):30-35.
- Ennis Z, K Aiken. “Spearfishing as a Potential Threat to Fishery Sustainability in Jamaica: a Survey of 23 Fishing Beaches”. *Revista de Biologia Tropical* 62, Suppl 3 (2014):141-149.
- Francis P, S Maxam, M Webber. “Rapid Reassessment of the Eutrophication Status of Kingston Harbour, Jamaica, Using the Zooplankton Community”. *Revista de Biologia Tropical* 62, Suppl 3 (2014): 231-239.
- Grey O, D Webber, S Setegn, A Melesse. “Application of the Soil and Water Assessment Tool (SWAT Model) on a Small Tropical Island (Great River Watershed, Jamaica) as a tool in Integrated Watershed and Coastal Zone Management”. *Revista de Biologia Tropical* 62 Suppl 3 (2014):293-305.
- Liu H, S Broomfield, A Duncan, L Grant, P Francis, D Webber, M Webber. “The Phytoplankton and Water Quality of Kingston Harbour and Hellshire Coast, Jamaica, after the Implementation of a Waste Water Treatment Facility”. *Revista de Biologia Tropical* 62, Suppl 3 (2014): 241-248.
- Mitchell A, M Webber, D Buddo, D Webber. “Development of a

- Protocol for Sampling and Analysis of Ballast Water in Jamaica”. *Revista de Biología Tropical* 62, Suppl 3 (2014):249-257.
- Niño L, **K McLaren**, H Meilb, M Lévesque, **B Wilson**, M McDonald. “Long-term Changes in Above Ground Biomass after Disturbance in a Neotropical Dry Forest, Jamaica”. *Plant Ecology* 215 (2014):1081-1097.
 - Okoro C, **B Wilson**, J Lorenzo-Morales, **R Robinson**. “Gastrointestinal Helminths of Wild Hogs and Their Potential Livestock and Public Health Significance in Jamaica”. *Journal of Helminthology* (2015) 1-5.
 - Pienkowski T, S Williams, **K McLaren**, **B Wilson**, N Hockley. “Alien invasions and livelihoods: Economic benefits of invasive Australian Red Claw crayfish in Jamaica”. *Ecological Economics* 112 (2015):68-77
 - Prospere K, **K McLaren**, **B Wilson**. “Plant species discrimination in a tropical wetland using *in situ* hyperspectral data”. *Remote Sensing* 6 (2014): 8494-8523.
 - Rankine D, **J Cohen**, M Taylor, A Coy, L Simpson, T Stephenson, J Lawrence. “Parameterizing the FAO AquaCrop Model for Rain-fed and Irrigated Field Grown Sweet Potato”. *Agronomy Journal* 107 (2015):1-13.
 - Richards R, **N Benkeblia**. “Investigation of Some Maturity and Ripening Parameters of West Indian cherry (*Malpighiae marginata*)”. *Acta Horticulturae* 1047 (2014):159-164.
 - **Robinson D**, W Williams. “Toxicity of Endosulfan to the Red hybrid Tilapia”. *OnLine Journal of Biological Sciences* 15 (2015): 6-9.
 - Ross A. “Genet and Reef Position Effects in Out-Planting of Nursery-grown *Acropora cervicornis* (Scleractinia: Acroporidae) in Montego Bay, Jamaica”. *Revista de Biología Tropical* 62, Suppl 3 (2014): 95-106.
 - Small H, K Lue, **D Webber**, **M Webber**. “The Planktonic Communities

of the Jamaican South-East Coast; A Comparison of Harbor, Shelf and Oceanic Areas”. *Revista de Biologia Tropical* 62, Suppl 3 (2014): 259-272.

- Steen S, N **Benkeblia**. “Variation of Reducing and Total Sugars during Growth of Onion Tissues”. *Acta Horticulturae* 1047 (2014):51-55.
- Trench C, H Small, L Morrison, **D Webber**, **M Webber**. “Coral and Algal Community Primary Succession on New Vertical Substrate at Rackham’s Cay, Port Royal, Jamaica”. *Revista de Biologia Tropical* 62, Suppl 3 (2014):107-114.
- **Webber M**, G Persad, N Harris, I Wilmot, **D Webber**. “An Ecological Assessment of Foul and Folly Bays, Morant Wetland Area, Jamaica Using Ecopath and Ecosim”. *Ocean and Coastal Management* 105 (2015): 127-137.

Technical Reports

- Gayle P, H Small, C Trench, D Henry. A rapid (Post-Dredging) environmental assessment of Discovery Bay, Jamaica. DBML Technical Report 01 (2015). Prepared for the Noranda Bauxite Company.

INCOME GENERATION

- **Aiken K**, J-F D’Orville (Department of Physics), 2014. Friends of Japan & Caricom: Green, efficient Aquaculture for Fish Farmers. US\$63,469.00
- **Buddo D**, 2015. Caribbean Utilities Company: Benthic Baseline Survey & Monitoring. US\$77,395
- Gayle P, 2015. NORANDA Bauxite Jamaica: Monitoring of an artificial reef (ECOREEF) installation. J\$6,500,000
- **Webber D**, 2015. Consultancy for the Inter-American Development Bank: Coral Reef Restoration Programme. US\$350,000

- **Webber D**, 2015. United States Department of Interior: Renewable Energy and Energy Efficient Project. US\$197,333.
- **Webber M (PI)**, C Campbell, C Trench, H Small, 2014. National Works Agency-Palisadoes Shoreline Vegetation rehabilitation contract. US\$454,545.
- **Webber M (PI)**, C Trench, H Small, 2015. Forest Conservation Fund Grant: Re-forestation of critical coastal forest areas around Jamaica, Phase 2. US\$144,456.
- **Webber M (PI)**, **K McLaren**, **D Buddo**, **D Webber**, 2014. Biodiversity Conservation Specialist Contract: Pedro Bank & Black River assessment towards achieving protected area status. US \$213,000.

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
- Member, Pool of Experts, United Nations World Ocean Assessment Programme 2010 – 2015.

Professor Noureddine Benkeblia

- Editor-in-Chief, Plant Science Today journal
- Editor-in-Chief, Journal of Food, Nutrition and Dietetics journal
- Editor, Agricultural Science Research journal
- Member of the Agronomy Society of America
- Member of the Crop Science Society of America

Department of Life Sciences

- Member of the Regional Commission of Experts, Agence Universitaire de la Francophonie
- Member, IUCN Commission on Ecosystem Management (CEM)
- Member of the International Tropical Fruits Network
- Assessor, University Council of Jamaica (UCJ) Examination
- External Examiner, Agricultural Programme, Montego Bay Community College (MBCC)

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, Phycological 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, CITES Scientific Authority of Jamaica
- Member, Caribbean Food Crops Society
- Member, Education & Research Sub-Committee for the Hope Royal Botanic Gardens
- Member, Jamaica Organic Agricultural Association
- Member, Jamaican Society for Agricultural Sciences
- Member, Natural History Society of Jamaica
- Member, Plant Conservation Group, National Environment and Planning Agency (NEPA)

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
- 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. Eric Hyslop

- 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

- Chairman, Jamaica Organic Agricultural Association (JOAM)
- Chairman, National Organic Agriculture Steering Committee, Ministry of Agriculture
- Member, Board of Directors- Greencastle Tropical Study Centre, St. Mary
- Member, National coordinating committee for Agricultural Research and Development, 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

Professor Paula Tennant

- Member, American Phytopathological Society
- Member, Caribbean Academy of Sciences, Jamaica Chapter
- Member, Jamaica Society of Scientists and Technologists

Dr. Kisan Vaidya

- Member, Gene Bank Committee, Jamaica
- Member, Review Committee, *Jamaican 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

Dr. Mona Webber

- External Examiner for University of Technology BSc Degrees in Biological Sciences
- Member, Association of Marine Laboratories of the Caribbean

Department of Life Sciences

- Member, Caribbean Academy of Sciences, Jamaica Chapter
- Member, National Fisheries Policy Steering Committee
- Member, CITES, Scientific Authority of Jamaica
- Member, National Ramsar committee, NEPA

Professor Byron Wilson

- Invited Member, Crocodile working group, NEPA
- Invited Member, IUCN SSC Amphibian Specialist Group
- Invited Member, IUCN SSC Boa and Python Specialist Group

Number of Graduates by majors and class of degree (before Summer School 2014/15)

2013/14	Majors	Minors	Options
Animal Biology	24		
Applied Plant Sciences	7		
Biology with Education			6
Botany	1		
Botany & Zoology			16
Environmental Biology			13
Experimental Biology			
Horticulture/Tropical Horticulture	6		
Marine Biology	32		
Terrestrial and Freshwater Biology	2		
Zoology	1		
Botany		5	
Conservation Biology		10	
Human Biology		11	
Plant Sciences		7	

Numbers / Class of degree

2014/15	First	Upper-2	Lower- 2	Pass
Animal Biology		3	14	7
Applied Plant Sciences		2	4	1
Biology with Education		2	3	1
Botany			1	
Environmental Biology	2	4	8	2
Experimental Biology	1	1	10	1
Horticulture/Tropical Horticulture	1	1	1	3
Marine Biology	1	9	12	10
Terrestrial and Freshwater Biology			1	1
Zoology			1	
Total (108)	5	22	55	26

DEPARTMENTAL PRIZES TO STUDENTS

Alexander, Shanice

Sasikala Potluri Prize

McDonald, Nadia

Don Skelding Prize

Robinson, Semoi

Devi Prasad Prize

Deidrick, Reneique

Vincent Hugh McKie Prize

Brown, Marco-Dean

Lloyd Coke Prize

Howell, Shonee

Avinash Potluri Prize

Foster, Dione

Charlotte Goodbody Prize

DEPARTMENT OF MATHEMATICS



Dr. Conall Kelly, BSc, PhD, *Dublin City University*
Head of Department

WORK OF DEPARTMENT

As at August 2014, the teaching staff of the Department of Mathematics was composed of 2 Professors, five senior lecturers, five lecturers, four assistant lecturers, four adjunct lecturers/tutors. Of these, seven members of staff hold a PhD (one, in addition to PhD, has a Higher Doctorate degree) and one person is a Fellow of the Canadian Institute of Actuaries (UK). In December Professor Girija Jayaraman, returned home to India after a two years visit to the Department. Dr. Shoyeb Waliullah, joined the staff of the department as a lecturer in October 2014, departing at the end of Semester 2 of the academic year. Mr Howard Hines, who is a Fellow of the Society of Actuaries (FSA), joined the staff of the department in January 2015.

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 University of the West Indies introduced a new GPA system in September 2014, and the department adjusted its approach to grading accordingly.

Professor Gabriel Lord, Heriot-Watt University, Edinburgh, UK, visited the department over the period March 17-20, and gave a mini-course to graduate students on introductory stochastic partial differential equations and numerical methods on Wednesday March 18, 5–7pm. He also gave a departmental seminar entitled “Stochastic Traveling Waves and Computation” on Friday March 19, 11am. He additionally met informally with graduate students to discuss their projects and began collaboration with staff members in the area of stochastic numerical analysis.

The Department has a formal internship programme which was piloted in 2011/12 and runs during the summer break each year. This year's programme was officially launched in May 2015 and 36 students applied, with 19 positions being offered by the following organisations: Financial Services Commission, Scotiabank, Jamaica National Group, Jamaica Coop Credit Union League, Guardian Life Ltd, Duggan Consulting.

The Department of Mathematics established an Industry Advisory Board to provide high level formal Industry/Mathematics interaction to produce suitable graduates for the work place. The Committee is composed of members from Industry and Mathematics Department, and the first meeting took place in April 2015.

Department held its second Career Fair in November 2014: 6 out the 9 companies who had confirmed participation were present, and the other 3 were unable to attend due to unexpected heavy rain. Companies participating were Jamaica National Building Society, Sagicor Life Jamaica Limited, Guardian Life, Victoria Mutual Building Society, National Commercial Bank and the Jamaica Stock Exchange. 59 semi-formally dressed students who registered prior to the event participated. The feedback received from the companies was positive.

Department of Mathematics

Throughout the academic year, the department continued its preparation to submit an application for the Mona campus to be recognised as a Center of Actuarial Excellence by the Society of Actuaries.

For the academic year 2014/15 a total of 1,174 students registered for all level courses in the department broken down as follows: Preliminary level – 206; Level 1 – 678; level 2 – 189; level 3 – 102.

The Department participated in various outreach activities across the island including “Science in the Park” and at the Western campus. We also conducted CAPE workshops over in January 2015 at the Western Campus, in Montego Bay, and in the department at the Mona campus in April 2015. A one-day CSEC Workshop was delivered by Mr. Ajani Ausaru at Mona High School. The events were well represented. In March 2015, the department was represented by Ms. Kimberly Boswell in round table discussions, at the Heart Trust NTA's National Career Symposium.

CONFERENCE PARTICIPATION WITH PAPER/TALK PRESENTED

- **Dr. Conall Kelly** organized the AIM SQuaRE workshop: “Stochastic stabilization of limit cycle dynamics in ecology and neuroscience”. American Institute of Mathematics, San Jose, California, USA. April 13–17, 2015.
- **Dr. Conall Kelly** presented the paper “Polynomial difference equations under stochastic perturbation”, Kyoto Conference on Numerical Analysis and Differential Equations, September 2014, Kyoto University Rakuyu-Kaikan, Japan.
- **Professor Alexandra Rodkina** participated in the workshop “Stochastic Stabilization of limit-cycle dynamics arising in ecology and neuroscience” San Jose, California, USA, April 13–17, 2015.
- **Professor Alexandra Rodkina** presented the paper “Discretized Ito formula and applications” at the International Congress of Mathematicians 2014, August 13–21, Seoul, South Korea.
- **Dr. Dmitry Malinin** presented the paper “On integral irreducible

representations of finite groups” at the International Algebraic Conference dedicated to the 100th anniversary of L.A. Kaluzhnin, Kiev, July 7–12, 2014.

- **Dr. Dmitry Malinin** presented the paper “On integral representations of finite groups” at the XII Conference in “Algebra, Number Theory and Discrete Geometry, Contemporary problems and applications, Russ Acad Sciences, Tula. Russia.
- **Dr. Dmitry Malinin** presented the paper “On integral representations of finite groups and some applications”, International Congress of Mathematicians 2014, August 13–21, ICM 2014, Seoul.
- **Dr. Dmitry Malinin** presented the paper “On finite group schemes and Galois modules”, Journees Arithmetiques, Debrecen, Hungary, July 6–11, 2015
- **Binil Thomas-Sebastian** presented the paper, jointly with Nagarani Ponakala, “Dispersion in Unsteady Casson Fluid in an Annulus with Wall Absorption” The 10th Faculty of Science and Technology Conference, UWI, Mona, June 9–11, 2015.
- **Andre Alexander Small** presented the paper, jointly with Nagarani Ponakala and Girija Jayaraman, “Peristaltic Transport of A Newtonian Fluid in a finite length tube”, the 10th Faculty of Science and Technology Conference, UWI, Mona, June 9–11, 2015.
- **Kirk Morgan** presented the poster “Non-existence of bound states for the Dirac-equation in the Kerr-de-Sitter metric”, The 14th Marcel Grossman Meeting, University of Sapienza – Rome, Italy July 12–18, 2015.

CONFERENCE AND SEMINARS PARTICIPATION WITHOUT PAPER/TALK

- **Mr. Richard Plummer** attended a seminar on “Applied Finance with R”, University of Illinois at Chicago, May, 2015.
- **Mr. Richard Plummer** attended the 22nd International Conference of Adults Learning Maths (ALM); Theme “Opening Our Mathematical Eyes”: Alexandria, VA Washington DC, July, 2015.

Department of Mathematics

- **Kirk Morgan**, attended the conference entitled “Topology and its Applications” at the City of University of New York – College of Staten Island, Staten Island, New York, USA., July 23–26, 2015.

INVITED VISITS AND SEMINARS

- **Dr. Conall Kelly** presented the seminar “Lyapunov exponents and stochastic systems”, Department of Mathematics, The UWI at Mona, October 2014.
- **Dr. Conall Kelly** presented the seminar “Polynomial difference equations under stochastic perturbation”, Stochastic dynamics research group seminar, The UWI at Mona, December 2014.
- **Dr. Conall Kelly** presented the seminar “Stochastic stability analysis of a reduced galactic dynamo model with perturbed α -effect” to the workshop “Stochastic stabilization of limit cycle dynamics in ecology and neuroscience”. American Institute of Mathematics, San Jose, California, USA. April 2015.
- **Professor Alexandra Rodkina** visited University of Calgary, Calgary, Canada, May-June 2015 with Professor E. Braverman to pursue research activities.
- **Professor Alexandra Rodkina** visited University of Texas A & M College Station, Texas, USA, April 2015 Professor P. Kouchment to pursue research activities.
- **Dr. D. Batic** presented the seminar “The Dirac equation in the Kerr-de Sitter metric: analysis of the eigenvalues of the angular problem”, Universidad de los Andes, Bogota, Colombia, January 2015.
- **Dr. D. Batic** presented the seminar “Potentials of the Heun class”, Petroleum Institute, Abu Dhabi, Arab Emirates, March 2015.

PUBLICATIONS

- B.T. Sebastian and **P. Nagarani**, “Effect of Boundary Absorption on Dispersion of a Solute in Pulsatile Casson Fluid Flow”, *Interdisciplinary Topics in Applied Mathematics, Modeling and Computational Science*, Ed. By Cojocaru, M. Kotsireas, I.S., Makarov, R. Melnik, R.V.N. Shodiev, H. Springer, 2015, 117, 389-395.
- N. Dokuchaev, **A. Rodkina**, “On asymptotic optimality of Merton’s myopic portfolio strategies under time discretization”. *IMA Journal of Mathematical Control and Information* (2015), pp. 18, doi: 10.1093/imamci/dnv020.
- **A. Rodkina**, “On almost sure asymptotic stability properties of the delay stochastic difference equations with multiple noises”, Chapter the book by F. Hartung and M. Pituk (eds.), *Recent Advances in Delay Differential and Difference Equations*, Springer Proceedings in Mathematics & Statistics 94, DOI 10.1007/978-3-319-08251-610, Springer International Publishing Switzerland 2014, 219-232.
- **Dr. Dmitry Malinin**, Nor Muhainiah Mohd Ali, Nor Haniza Sarmin, “Representations of some groups and Galois stability”, *Bulletin of the Malaysian Mathematical Sciences Society*, vol. 39, Issue 2 (2015), Page 827-840, Springer, DOI: 10.1007/s40840-014-0051-7, published online: Nov. 10, 2014.
- J. Jaraden, **Dmitry Malinin**, N.K. AlOushoush, “On S-quasinormal subgroups of finite groups and some applications”, accepted for publication in *Mathematical Sciences Letters*, vol. 4, No. 2, 2015.
- **D. Batic**, D. Mills-Howell and M. Nowakowski, Potentials of the Heun class: the triconfluent case, *Journal of Mathematical Physics* 56, 052106 (17pp) (2015).
- **D. Batic**, S. Nelson and M. Nowakowski, Light on curved backgrounds, *Physical Review D* 91, 104015 (35pp) (2015).
- R. Williams and **D. Batic**, The two-point connection problem for a subclass of the Heun equation, *Journal of Inequalities and Special Functions* 6, 1 (11pp) (2015).

Department of Mathematics

- C. Posada and D. Batic, Electrovac universes with a cosmological constant, *Central European Journal of Physics* 12, 297 (8pp) (2014)

INCOME GENERATION

The department offered 14 full courses across all levels and 14 examination-only sittings for Level 3 courses as part of its annual summer school. We anticipate that income will be received from the MSc Enterprise Risk Management programme (offered jointly with Mona School of Business & Management) at the end of the financial year.

PUBLIC SERVICE

- Dr. N. Ponakala served as External Examiner for the Department of Mathematics, University of Technology, Jamaica.
- Dr. N. Ponakala served as University Examiner for Department of Mathematics and Statistics, the University of the West Indies, St. Augustine Campus, Trinidad & Tobago.

Members of the department also regularly act as editors and peer reviewers for international journals.

STUDENTS

The department has graduated an average of 72.2 B.Sc. students per year since 2010 with one of the following degrees: BSc Mathematics (major or minor), BSc Actuarial Science, BSc Mathematics with Education, BSc Mathematics with Economics, and BSc Mathematics & Modelling Processes.

Since 2010 to 2014, a total of 361 students graduated from the department. This is broken down as follows:

2010	2011	2012	2013	2014
52	68	62	105	74

This year a total of thirteen students graduated with a First Class Honours degree.

Information on Students

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
2010/11	7	35	1	9	–	52
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

For the 2014/15 academic year the total number of registered undergraduate students is as follows:

Preliminary level	206
Level I	678
Level II	189
Level III	102

Undergraduate Research

Two Actuarial Science students presented their work at the FIU McNair Scholars Research Conference held at Florida International University, Miami, USA over October 16–18. Four final-year students presented the results of their research project at the 10th Conference of the Faculty of Science and Technology, as part of the undergraduate forum, at which another group presented a poster.

Mathematics Bridging Programme

The programme ran for Nine (9) weeks with 1 tutor and fourteen (14) registered students. Despite the low attendance, the department continues to encourage persons to attend and has made a plan to embark on intensive advertisement to increase its numbers for the upcoming academic year.

Mathematical Olympiad

The Department of Mathematics organized two Olympiad programmes last year. The Junior Mathematical Olympiad was held in three rounds for students in Grades 4, 5, and 6. The Jamaican Mathematical Olympiad was held in four rounds for students in Grades 7 through 11. The department also took a team of three students to an international mathematics competition, held in Mexico in June 2015, at which they won their second medal.

GRADUATE PROGRAMMES

MSc Enterprise Risk Management

This year we received our third cohort of 20 students in Semester 1 of 2014/2015. The first set of students graduated from this programme in November 2014 with 12 students receiving their degrees with Distinction. This year students from cohort 2 are expected to complete their requirement for their award of their degree.

MSc Mathematics Programme:

The department awarded for the first time, a bursary to one student in the MSc Mathematics. The award was based upon examination performance and financial need, covers the cost of fees and provides a contribution to living expenses. In addition, two further students were awarded grants for the purchase of academic materials, one of which was generously provided by Professor Jayaraman.

Research Students

During the 2014/15 academic year there were 5 MPhil students and 2 PhD students registered in the department.

One PhD (Dr. Peter Palmer) and two MPhil students (Mr. Runako Williams & Mr. Dujon Dunn) graduated this year with one of the student – Mr. Williams received the award for Most Outstanding Thesis from Graduate Studies & Research, Mona Campus.

Both Mrs. Binil Sabastian-Thomas and Mr. Andre Small submitted their theses for examination at the end of the academic year.

DEPARTMENT OF PHYSICS



Professor Michael A. Taylor, BSc, MPhil, UWI,
PhD University of Maryland, College Park
Head of Department

OVERVIEW

During the year consultations were held with all categories of stakeholders to craft a new Five Year Strategic Plan for the Department. The new plan is premised on growth and expansion and replaces the previous plan which expired in 2013/14. The previous plan emphasised establishing a foundation for the delivery of high quality Physics Teaching, Innovation and Research, Intellectual Leadership and Public Service, and the implementation of Student Friendly Systems and a harmonious work environment.

UNDERGRADUATE CURRICULUM REFORM AND TEACHING

2014/15 was the first year that the entire reworked Physics programme was offered. The reworked Programme is premised on (i) Five Undergraduate Majors in Medical Physics, Energy and Environmental Physics, Materials

Science, General Physics and Electronics; (ii) a common Physics Core and mandatory Mathematics Courses across all Majors; (iii) a simplification of student choices; (iv) 3-Credit Courses; (v) new Laboratory Courses; and (vi) an expanded credit requirement aimed at increasing the breadth of material covered in Majors and Minors. The steady increase in student numbers at the advanced level continued, however the number of students registered for Introductory Physics fell again for the second year. This may in part have to do with the expanding Engineering School intake. The Department maintains its relationship with the Mona School of Engineering through the teaching of Electronics Courses under the Shared Resources Model.

Student satisfaction with teaching remains high. The Full-Time Staff complement increased by one to nine (9) when Dr. Louis-Ray Harris (Electronics) joined the Department. However, by the end of the year, Dr. Venketswarao Penugonda and Dr. Jean-Francois Dorville both resigned to pursue other opportunities. Two new Lecturers are expected to join the Department in 2015/16.

Two students will graduate with First Class Honours. Approximately 21 students will graduate with Physics majors or minors. In keeping with its drive to reward exceptional students, as well as mentor them to achieving honours, the Department continues to induct new and returning students to the Physics Honours Society. This year 25 students were inducted.

RESEARCH AND GRADUATE ACTIVITY

The four (4) established Research Groups remain active. A fifth Group focused on Electronics is finding its footing. The groups continue to attract new grants, the most significant being a US\$10.6 million grant for a five-year regional programme for building regional climate resilience to be jointly overseen by the Climate Studies Group, Mona (CSGM) and the Mona Office for Research and Innovation (MORI). Research topics emphasize the applied nature of Physics and continue to be interdisciplinary. Active Research areas include Statistical and Dynamical Downscaling of Climate Data, Evaluation of Renewable Energy

Department of Physics

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 sought and got approval for two MSc programmes in Renewable Energy Management and Renewable Energy Technology to begin in September 2015. Approval was also granted for an MPhil and PhD in Applied Physics to meet the growing demand for interdisciplinary studies grounded in principles of physics, for example, those directly related to the Applied Physics majors offered by the Department.

The Department produced thirteen (13) Publications, which fell short of the target set of two (2) Peer Reviewed Publications per Full-Time Academic Staff. Dr. Kert Edward received the Principal's Award for the Most Outstanding Researcher and the Best Publication, in the Faculty of Science and Technology. Dr. Andre Coy won the Award for the Research Project Attracting the Most Research Funds. Postgraduate student Maurice Miller was the 2014 winner of the best Graduate Research Publication for the Faculty of Science and Technology for his article Evaluation of gamma activities of naturally occurring radioactive materials in uncontaminated surface soils of Jamaica. The article was co-authored with Professor Mitko Voitchkov. This is the second year that a Physics graduate student is winning this award.

Graduate enrolment was 23 Research Students and 27 MSc Students. Several graduate students participated in International and Local Conferences and International Exchanges. Noteworthy is Maurice Miller and Roxann Brown's selection and participation in the Commonwealth Science Conference organized by the Royal Society and the Queen Elizabeth Diamond Jubilee Trust, and Phyllicia Ricketts' selection to participate in the 22nd Annual Women in Nuclear Science. Both Mrs. Brown and Ms. Ricketts won awards for best poster presentations. More than half of the Peer Reviewed Publications from the Department were co-authored by Graduate Students.

Four PhD's were awarded: Dale Rankine with High Commendation, Maurice Miller, Victor Douse and Tanya Kerr.

Under the IADB-BRIDGE programme, a collaborative international effort to build capacity in renewable energy in the Caribbean, postgraduate students Sameer Simms, Leaford Henderson and Dudley Williams received internships to respectively the Edinburgh Centre for Carbon Innovation (Scotland), Jamaica Broilers (Jamaica) and General Electric (USA & Jamaica), and one undergraduate student Melissa LeBlanc received a scholarship to attend a Renewable Energy Summer School in Aruba. Postgraduate student Daren Watson and Laboratory Technologist Joni Hall went on training exchanges to China, while Senior Laboratory Technologist Andre Gordon went on exchanges to Germany and Spain funded by the IAEA.

OUTREACH AND PUBLIC SERVICE

The Department hosted its Annual CAPE Workshop for high school students. The workshop was held at Mona for 5 days and at Western Jamaica Campus for 2 days in January 2015. Over 1000 sixth form students attended from over 30 high schools. Over 150 students from 4 high schools also visited the Department, on multiple occasions, to do Physics labs to aid with the lab component of the CAPE and CSEC syllabus. The Department also hosted over 30 students from 2 colleges for experiments as well as a number of primary schools.

The Department continues to actively participate in Outreach Activities of the Faculty and University. These include Research Days 2015 where the suite of tools developed by the Climate Studies Group, Mona were part of the main highlights; Denbigh 2014, Western Fair 2015, Titchfield High School Career Day, and Math Olympiad 2015.

Department of Physics

STAFF EXCHANGE

Dr. Tannecia Stephenson visited the Department of Infrastructure at the Anton de Kom University of Suriname for three weeks in May where she lectured a course entitled Physics Infrastructure.

MILESTONES

Dr. Tannecia Stephenson was awarded the Bronze Musgrave Medal for Science. She was also promoted to Senior Lecturer. Drs. Kert Edwards and Louis-Ray Harris were appointed Senior Members of the IEEE. Prof. Michael Taylor delivered the Grace Kennedy Foundation Annual Lecture. Mrs. Ilene Thomas, Laboratory Attendant, and Mr. Rudolph Blair, Senior Instrument Laboratory Technician both retired after 34 years of service. Ms. Ann-Marie Miller, Senior Secretary, resigned. Four staff members received Long Service Awards: Mrs. Beverley Hurlock-Cox (21 years), Dr Leary Myers (21 years), Mr. Steven Box (21 years) and Prof. Michael Taylor (15 years).

INFRASTRUCTURE UPGRADE

The Preliminary Physics Laboratory was refurbished.

DEPARTMENTAL STATISTICS

Total Student Registrations

(Columns to right indicate previous year totals and include Engineering courses. Years II and III include overlaps.) See page 412

	Semester 1		Semester 2		Year Totals	
	Current	Previous	Current	Previous	Current	Previous
Preliminary	64	83	51	77		160
Intro Physics	127	204	86	151	213	355
Intro Electronics	–	–	113	116	113	116
Year II	128	324	124	281	252	605
Year III	15658	156	81	120	139	276
Totals	382	609	369	594	751	1,558

Postgraduate Student enrolment:

MPhil seventeen (17) students (F/T and P/T); PhD ten (10) students; MSc twenty seven (27) students (all years)

PRIZES AWARDED

- The Professor John Lodenquai Prize for Introductory Physics: Theodore Ludlow Wynter;
- Level II – Departmental Prizes: Savanna Rae Lloyd & Alton Patrick Daley;
- Michael Tharmanahthan Physics Bursary: No award made;
- Francis Hadden-Bowen Bursary: Keith Astley Kurt Samuda

PUBLICATIONS

Book

- Taylor, M. A., 2015: *Why Climate Demands Change*, Grace Kennedy Foundation, Kingston Jamaica. 97 pp. ISBN 978-976-8041-32-6.

Book Chapter

- K. Edward, 2014: Two Photon Fluorescence Microscopy. In *Handbook of Optical Sensors*. José Luis Santose and Faramarz Farahi. CRC Press. 718 pp. ISBN-13: 978-1439866856;

Journal Articles

- Stephenson, T. S., M. A. Taylor, A. R. Trotman, A. O. Porter, I. T. Gonzales, J. Spence, N. McLean, J. D. Campbell, G. Brown, M. Butler, R. C. Blenman, A. P. Aaron-Morrison and V. Marcellin-Honore, 2015: [Regional Climates] Caribbean [in State of the Climate in 2014]. *Bull. Amer. Meteor. Soc.* IF 11.57
- McLean, N., T. Stephenson, M. A. Taylor and J. Campbell, 2015: Characterization of future Caribbean rainfall and temperature extremes across rainfall zones. *Advances in Meteorology*. Article ID 425987, doi:10.1155/2015/425987. IF 1.348
- Burgess, C. P., M. A. Taylor, T. S. Stephenson, A. Mandal and L. Powell, 2015: A macro-scale flood risk model for Jamaica with impact of climate variability. *Natural Hazards*. DOI 10.1007/s11069-015-1712-z. IF 1.958
- Rankine, D. R., J. E. Cohen, M. A. Taylor, A. D. Coy, L. A. Simpson, T. Stephenson, and J. L. Lawrence, 2015: Parameterizing the FAO AquaCrop Model for Rain-fed and Irrigated Field Grown Sweet Potato. *Agronomy Journal* 107: 1-13. doi:10.2134/agronj14.0287 IF 1.542
- Burgess, C. P., M. A. Taylor, T. S. Stephenson, and A. Mandal, 2015: Frequency analysis, infilling and trends for extreme precipitation

for Jamaica (1895 to 2100). *J. Hydrol.: Reg. Stud.*
doi:10.1016/j.ejrh.2014.10.004

- **K. Edward** and F. Farahi, 2015: Non-destructive evaluation of nanoscopic subsurface features in fabricated samples. *CIRP Annals – Manufacturing Technology*, 64, 503-506 (2015)
- Nsom, B., **J. F. Dorville** and K. Bouchlaghem, 2015: Cocoyam Used as Substitute of Cassava in the Preparation of Starch Based Biofilms and Biocomposites by Casting Method, *International Journal of Emerging technology and Advanced Engineering*. ISSNn2250-2459, ISO 9001:2008 Certified Journal, Volume 5, Issue 5, www.ijetae.com.
- **Williams, D. A., J. F. Dorville**, 2014: Investigating the thermal and the lighting performance of light pipes for sunny and cloudy conditions in insular tropical climate *Journal of Electrical Engineering* 2 221-227 doi: 10.17265/2328-2223/2014.05.004
- Batic, D., **S. Nelson**, and M. Nowakowski, 2015. Light on curved backgrounds: *Phys. Rev. D* 91, 104015. <http://dx.doi.org/10.1103/PhysRevD.91.104015>
- Gupta, P., B. Anyama, **K. Edward**, K. Wells, M. Motamedi, B. F. Godley, and G. Vargas, 2014: Depth Resolved Differences After Corneal Crosslinking With and Without Epithelial Debridement Using Multimodal Imaging. *Trans. Vis. Sci. Tech.*: July/August 2014, Vol. 3, No. 4.
- Eakin, H., P. M. Wightman, D. Hsu, V. R. Gil Ramón, E. Fuentes-Contreras, M. P. Cox, **T. N. Hyman**, C. Pacas, F. Borraz, C. González-Brambila, D. Ponce de León Barido & D. M. Kammen, 2014: Information and Communication Technologies and Climate Change Adaptation in Latin America and the Caribbean: a framework for action, *Climate and Development*, DOI: 10.1080/17565529.2014.951021.
- Laxmikanth, C., J. Anjaiah, **P. Venkateswara Rao**, B. Appa Rao, and N. Veeraiah. “Luminescence and spectroscopic properties of ZnF 2–MO–TeO 2 glasses doped with Ho 3+ ions.” *Journal of Molecular Structure* 1093 (2015): 166-171.

- Prasad, P. Syam, V. Himamaheswara Rao, M. Mohan Babu, P. Venkateswara Rao, G. Naga Raju, and C. Laxmikanth. "Spectroscopic investigations of the PbO–MoO₃–P₂O₅: V₂O₅ glass system." *Physics and Chemistry of Glasses-European Journal of Glass Science and Technology Part B* 56, no. 4 (2015): 169-174.

PEER-REVIEWED CONFERENCE PROCEEDINGS

- 10th FST Conference 2015, "Non-invasive indirect characterization of hypoglycin levels in Jamaican ackees" David Moodie, Tanya Kerr and Kert Edward.
- 10th FST Conference 2015, "Predicting the intelligibility of noisy speech to hearing impaired listener" Lindon Falconer and Andre Coy.
- 10th FST Conference 2015, "An analysis of the formant frequencies of vowels in Jamaican Standard English for children" Stefan Watson and Andre Coy.
- 10th FST Conference 2015, "Wind resources map of Jamaica" Andrew Johnson.
- 10th FST Conference 2015, "Spatial-temporal relations of projected wind speeds based on the Wind Measurement Campaign of the IDB-Wigton Windfarm Ltd 2011-2014" Sanja Simmonds.
- 10th FST Conference 2015, "Investigating the effect of rare-earth photoanode doping on dye-sensitised solar cell performance" Leaford Henderson and Tania Henry.
- 10th FST Conference 2015, "Thermal modelling and experimental validation of a hybrid PVT" Sameer Simms and Jean-Francois .
- 10th FST Conference 2015, "Parametric Optimization for SAR Computation in Vehicular Environment" Louis-Ray Harris.
- 10th FST Conference 2015, "First experimentation of Photurgen: An optimization and management software for hybrid renewable energy systems" Daren Watson.
- 10th FST Conference 2015, "Projecting end-of-century North

Atlantic Hurricane activity using forecast statistical models” Jhordanne Jones.

- 2015 CIRP GENERAL ASSEMBLY in CAPE TOWN, SOUTH AFRICA, 23–29 August 2015, “Non-destructive evaluation of nanoscopic subsurface features in fabricated samples” K. Edward and F. Farahi; (to be presented by Prof. F. Farahi).

SIGNIFICANT FUNDING

- UWI New Initiative Grant (2015) to investigate the effects of wireless device use on human health in realistic environments (J\$1.5 million). PI: L. Harris
- NIH CARPHA Grant (2015): Cancer Treatment and Prevention Leads from the Jamaican Biodiversity and their Mechanism of Action: A project based initiative to enhance in –vivo cytotoxicity screening facilities at Mona (US\$50,000). Collaborator: K. Edward
- Mr. Da-Vaughn Sanderson – Postgraduate Student was awarded a Grant of US\$2,651.77, from the Postgraduate Research Fund, for Project entitled: “The Uptake, Distribution and Impact of Cadmium on Irish Potato”.

PUBLIC SERVICE

Anthony Chen

- Member, Climate Change Advisory Board, Ministry of Land, Water, Environment and Climate Change
- Member, GEF- Small Grants Programme

Andre Coy

- Reviewer Journals, IEEE Transactions on Audio, Speech and Language Processing, Computer Speech and Language, Instrumentation Science & Technology
- Member, IEEE Signal Processing Society

Department of Physics

- 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
- Technical Assessor, Jamaica National Agency for Accreditation (JANAAC)
- Chairman, Aggregates Technical Committee
- Vice Chairman, Building and Associated Materials Committee.

Kert Edward

- Member, American Association for Cancer Research, Optical Association of America, IEEE, SPIE
- 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

- Member, International Who's Who Historical Society.

Penugonda Venkateswara Rao

- Member Materials Research Society (MRS)
- Reviewer *Journal of Radiation Research and Applied Sciences, Materials Science-Poland and Spectroscopy Letters.*

Tannecia Stephenson

- Member, National Committee for Climate Change Adaptation and Disaster Risk Reduction
- Member, CORDEX Science Advisory Team, Joint Scientific Committee of the World Climate Research Programme (WCRP)
- Reviewer Journals, Climate Research, Climate Dynamics

Michael Taylor

- Member, Board, Water Resources Authority
- Member, Climate Change Advisory Board, Ministry of Land, Water, Environment and Climate Change
- Member, International Science Panel of VAMOS/CLIVAR
- 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, Jamaica’s Energy Council, Ministry of Science Technology, Energy and Mining;
- Member, Heavy Metal Task Force, Ministry of Health
- 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.

MONA SCHOOL OF ENGINEERING



Dr. Paul Aiken, BSc. MPhil. *UWI*, MSc. PhD *Columbia University*
Head of School

OVERVIEW

The Mona School of Engineering (MSE) added the Bachelor of Science in Electrical Power Engineering (EPE) to its list of programme offerings for the 2015/2016 academic year. The Programme has the full support of the Jamaica Public Service (JPS). Staff members from the JPS will commence teaching in Semester 2 of the 2015/2016 academic year.

Student enrollment continues to increase in spite of the challenges of financing the US\$10,000 tuition that was implemented in academic year 2013–14. Four (4) additional teaching staff were employed to the Mona School of Engineering to commence teaching and research in academic year 2015–16. These include Drs. Adrian Lawrence, David Smith, Carlton Hay and Noel Brown.

MonaTech, the commercial arm of the Mona School of Engineering, was formed in November 2014 and commenced operations on April 7, 2015. Mona-Tech provides world class engineering services to local companies while simultaneously providing apprenticeship training for

graduates, thereby facilitating an easy transition from academic development, into practical applications.

Partnerships and collaborations with external institutions were also forged during the 2014/2015 academic year. In light of this, Memoranda of Understanding were signed between the University of the West Indies and Advanced Integrated Systems (AIS) and also with the Jamaica Public Service (JPS).

STAFFING

Four PhD candidates were recruited during the 2014/2015 academic year:

Name	Qualification (expertise)	PhD Granting Institution	Position in MSE	Terms of Contract
Adrian Lawrence	PhD, Civil Engineering	University of Florida	Lecturer, Civil Engineering	Full time contract
Carlton Hay	PhD, Civil Engineering	University of Florida	Lecturer, (Geotechnical, Materials)	Fixed Term Contract
David Smith	PhD, Civil Engineering	Queens University (Canada)	Lecturer, (Fluids and Coastal Engineering)	Fixed Term Contract
Noel Brown	PhD, Civil Engineering	Queens University (Canada)	Lecturer, Civil Engineering	Fixed Term Contract

Student Enrollment for the 2014/2015 academic year

Programme	No. of Applicants	No. of Offers	No. Accepted	No. Registered
Civil Engineering	254	108	74	36
Computer Systems Engineering	195	37	24	12
Electronics Engineering	215	69	43	23
Total	664	214	141	71

EMPLOYMENT STATISTICS

The MSE is proud to report that 100% of its students who graduated in the 2014/2015 academic year are fully employed. These students are employed to companies such as Digicel, HUAWEI, Advanced Integrated Systems (AIS), KPMG and WISYNCO. All 14 students at the MSE who have completed their graduation requirements for the 2014/2015 academic year [eligible for graduation in October 2015) are also fully employed.

FIRST CLASS HONOURS RECEIVED

Mr. Raymour Wilson, student in the Electronics Engineering Programme, was awarded a Bachelor of Science degrees with First Class Honours.

New Programmes

Final arrangements were put in place for the start of the Electrical Power Engineering Programme in September 2015. The Programme has the full support of the Jamaica Public Service (JPS). Staff members from the JPS will commence teaching in Semester 2 of the 2015/2016 academic year.

INCOME AND EXPENDITURE

For the 2014/2015 academic year, the Mona School of Engineering's budgetary statement showed a consolidated surplus brought forward of J\$11,052,446.57, consolidated income for the period of J\$96,329,153.61 and expenditure of J\$71,263,861.89 resulting in a cumulative surplus of J\$36,117,738.29.

MEMORANDA OF UNDERSTANDING

Advanced Integrated Systems

Dr. Paul Aiken (Director of the School of Engineering), Doug Halsall (Chairman of Advanced Integrated Systems Ltd.), Everton Grennell

(Director of Sales at AIS) along with other members of the UWI Community witnessed the signing of a Memorandum of Understanding between the Mona School of Engineering and Advanced Integrated Systems (AIS) in November 2014. The Principal, Professor Archibald McDonald, and Mr. Doug Halsall signed the MOU which will facilitate student integration of classroom and lab work with practical experiences. The aim is to help students develop their entrepreneurial skills and gain the necessary work experience whilst completing the degree programme. The students are expected to transition as junior engineers into MonaTech where maintenance services will be provided to AIS.

Jamaica Public Service

Members of the UWI Community were on hand to witness the official signing of the Partnership Agreement between the Jamaica Public (JPS) Foundation and the Mona School of Engineering on Tuesday, May 12, 2015 in the Council Room. The Principal, Professor Archibald McDonald and Ms. Kelly Tomblin, President and CEO, JPS signed the Agreement which will hallmark the start of the new Electrical Power Engineering Programme which is slated to commence in September 2015.

The Bachelor of Science in Electrical Power Engineering is a 3-year Programme which is designed to serve students who are desirous of pursuing a career path in electrical power generation, transmission and distribution. It offers in-depth study of the generation of electricity from fossil fuel (oil, coal and gas), renewable sources (sun, wind, biomass, etc.) and nuclear energy.

The JPS Foundation, under the Agreement, will provide trained electrical engineers to assist with teaching of the Programme; facilitate site visits for students at various generation, transmission and distribution locations under the control of JPS; facilitate student internships where the business and operations of JPS can accommodate such interns; assist with the development of the curriculum for the Programme; and assist in supplying equipment for electrical laboratories.

Mona-Tech Engineering Services Limited

Mona-Tech Engineering Services Limited (M-Tech) was formed in February 2015 and officially opened its doors on April 7, 2015. Mona-Tech Engineering Services is the commercial branch of the UWI Mona School of Engineering. Mona-Tech provides world class engineering services to local companies while simultaneously providing apprenticeship training for graduates, thereby facilitating an easy transition from academic development, into practical applications.

Mona-Tech's service offerings include: 1) maintenance of equipment and engineering systems; 2) research and development geared towards addressing national, regional and international engineering challenges; 3) engineering support services and energy conservation strategies for corporate, industrial and residential clients; 4) maintenance of biomedical and clinical equipment and systems; 5) maintenance of analytical and industrial equipment and systems; 6) training, apprenticeships and internships; 7) engineering consultations.

Mona-Tech is 60% owned by the University of the West Indies and is governed by a seven-member Board of Directors, led by a Managing Director and a 7 member support staff including an engineering manager, administrative services manager, engineering, technical and ancillary employees. Mona-Tech's partners include: The University Hospital of the West Indies, The University of the West Indies, Equipment Manufacturers and other biomedical facilities.

OUTREACH

The MSE continues outreach activities via partnerships with Physics Department, the Faculty of Science and Technology and the UWI Mona recruitment team. This activity included visits to various institutions across the island as well as participation in a number of Open House, Orientation and Research Day activities. Outreach initiatives will increase during the 2015–16 to include the staging of our local open –house activities [to showcase student final year project and engineering research], visits to institutions across the Caribbean and workshops geared at

improving the performance of high school students in the [Physics] CAPE examinations.

TEACHING, LEARNING AND DEVELOPMENT

Inaugural Lectures

The Mona School of Engineering (MSE) hosted two Inaugural Lectures as part of an initiative to introduce its students and the wider public to LEED, or Leadership in Energy & Environmental Design, a green building certification programme that recognises best-in-class building strategies and practices. The Lectures were aimed at sensitizing persons to new and innovative methods in building and construction and to the benefits of adopting this framework.

The first lecture in the series entitled “The LEED Rating System – an Introduction” was presented by Mr. Gary Hamilton, a LEED accredited professional with a specialty in building design and construction LEED AP BD+C on Thursday, March 5, 2015 in Physics Lecture Room B.

The second in the series of lectures entitled “Jamaica’s First LEED® Building: A Case Study” was delivered by Mr. Federico Aguilar, Caribe Hospitality’s Project Director for Central America and the Caribbean on Thursday, April 9, 2015.

The Mona School of Engineering also arranged for students in its Civil Engineering Programme to visit the Marriott Hotel in New Kingston, which is currently under construction. The 129-room Marriott Hotel will be the first LEED® accredited building in Jamaica.

Staff Contributions to Teaching, Learning and Development

Dr. Tania Henry

Fall 2014

- Fall Seminar Presentation - Physics Department Seminar Series
- Facilitated Site Visit by National Minority Business Council (NMBC)

Mona School of Engineering

Director Mr. Fritz McLymont (Future sites for Nanomaterials Lab and LED Light Testing Center)

- Purchase of polymers for Polymer Nanofiber Experiments through Mona School of Engineering
- Acquisition of Solar Simulator through Mona School of Engineering
- Supervised MPhil Thesis Project (Physics Graduate Student-UWI)
- Attended Carimet (Regional Workshop on Metrology and Technology Challenges of Climate Science and Renewable Energy) put on by OAS, NIST and Bureau of Standards
- Began construction of Nanomaterials Lab and LED Light Testing Center.
- Facilitated second Site Visit by NMBC Director Mr. Fritz McLymont (Nanomaterials Lab and LED Light Testing Center)

Dr. Nicolas McMorris

Publications

- JIE Conference Paper with Dr. Omar Thomas. “Emerging Trends in Effective Bridge Management versus Bridge Maintenance.” Omar Thomas, Ph.D., M.JIE, P.E.1; Nicolas McMorris, Ph.D., P.E.2

Student Development Workshops

The Mona School of Engineering hosted a Career 101 Workshop for final year students in the Electronics Engineering Programme on April 24, 2015. Guest presenters and topics included:

- Mr. Roger Bent, Director of Student Affairs, University College of the Caribbean (UCC) – **Effective Public Speaking**
- Ms. Brigitt Hoosang, Member of the Board, Placement & Career Services – **Dress for Success**
- Ms. Silina Patterson – Manager, HR Business Services, Jamaica Public Service Company Limited – **Interview Techniques**
- Mr. Doug Halsall – CEO, Advanced Integrated Systems – **Qualities of a Successful Leader**

JAMPRO Symposium

Mr. Lindon Falconer, lecturer at the Mona School of Engineering, along with Mr. Chadwick Barclay and Mr. Alfred Fullwood [both final year students at the Mona School of Engineering] were invited to participate in the JAMPRO Symposium on Opportunities in Electronics Manufacturing. The students were exposed to a number of discussions surrounding the manufacturing sector in Jamaica; the challenges and opportunities, the benefits of entrepreneurship and students were able to forge relationships with prominent members of that sector.

Student Chapters

- Dr. Nicolas McMorris started the student chapter of the Institute of Structural Engineers, Jamaica Chapter.

Scholarship Opportunities

Mr. Chadwick Barclay, Mr. Moran Singh and Mr. Kevaun Stewart, all final year students in the Electronics Engineering Programme, were recipients of the LIME Foundation 10th Anniversary Scholarship. The scholarships were awarded based on academic performance, financial need and general citizenship. The recipients are expected to complete 100 hours of community service, either with the LIME Foundation or UWI Development and Endowment Fund.

Student Awards

Mr. Raymour Wilson, a recent graduate of the Mona School of Engineering, was recognized by the Jamaica Institution of Engineers [at its annual Awards Ceremony on December 2, 2014] as the Top Engineering Student at the UWI, Mona Campus for the 2013/2014 academic year.

RESEARCH AND INNOVATION

Dr. Tania Henry

Spring 2015

- UWI Research Day Presentation-Poster Presentation (Physics MPhil Student)
- Supervised Undergraduate Research Project (Physics Undergraduate-UWI)
- Supervised MPhil Thesis Project (Physics Graduate Student- UWI)
- Established ongoing research collaboration and signed Visiting Scientist Agreement with SUNY Polytechnic Institute's, College of Nanoscale Science and Engineering at the University of Albany.

Summer 2015

- FST Conference Presentation-Oral Presentation (Physics MPhil Student)
- Panelist: Women in Motion Networking Series™: Women in Technology, New York, NY, hosted by the National Minority Business Council (NMBC)
- Supervised Physics Summer Research Project (Physics Undergraduate-UWI)
- Supervised Engineering Summer Research Projects (Two Physics Undergraduates- UWI)
- Supervised MPhil Thesis Project (Physics Graduate Student- UWI)
- Visiting Scientist at SUNY Polytechnic Institute's, College of Nanoscale Science and Engineering at the University of Albany. Research activities involve group III-Nitride Semiconductor nanostructures.

Dr. Omar Thomas

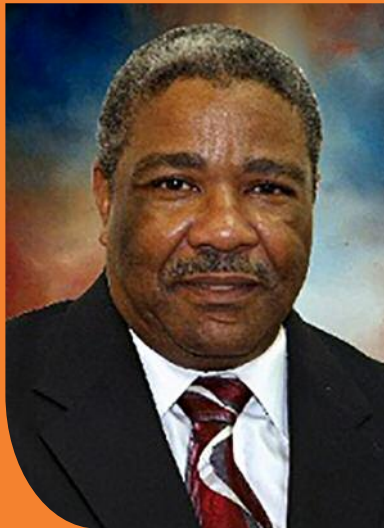
- Research focused on Non Destructive Evaluation of Concrete.
- Collaborations with:

- Dr. Kirk Spence to begin work on 3-D printed Buildings.
- Brian Alberga to help create the Jamaica Green Building Council.
- Heather Pinnock & the Institute for Sustainable Development to help review the design & plans for the first “Net-Zero Energy Building in Jamaica”. Funded by UN & Global Environmental Fund.

FACULTY OF SOCIAL SCIENCES

Mona

Year ending July 31, 2015



EVAN DUGGAN

BSc UWI, MBA, PhD. *Georgia State*

Dean

– *Dean’s Overview* –

INTRODUCTION

In keeping with the strategic focus of the University within the six perspectives of teaching, learning and student development, employee engagement and development, research, outreach, financial and internal operational processes, the Faculty instigated a significant number of initiatives over the period. This report provides highlights of the work of the Faculty of Social Sciences, Mona in the academic year 2014–15.

The Faculty began the year with the staging of its annual Faculty Day under the theme: “The Future of Higher Education at UWI: Implications for the Social Sciences”. As in previous years, Faculty Day provided an opportunity for all staff members to contribute to the planning and implementation of the Faculty’s vision and tactical plans and to review its strategic priorities. The day’s activities included special presentations from Ms Zahra Orane, a Strategic Planning Consultant supporting the Office of the Principal in the execution of the Mona Campus Strategic Initiatives, representatives of the Mona Office for Research and Innovation (MORI) who presented on the mission and work of the recently created organization, and a representative from the Human Resources Management Division who spoke generally on employee engagement, addressing issues related to the physical and psychosocial impact of the work environment.

HIGHLIGHTS OF ACHIEVEMENTS IN THE FACULTY

The Faculty congratulates Drs David Tennant, and Abdullahi Abdulkadri two of its senior lecturers from the Department of Economics on their promotion to Professor of Development Finance and, Professor of Applied Economics respectively. Additionally, Drs Moji Anderson and Andrew Spencer were promoted to Senior Lecturer.

Similarly, we congratulate several staff members who were recipients of other prestigious awards: Dr Damien King, Head of the Department of Economics, was the runner-up for the UWI/Guardian Group Premium 2014 Teaching Award for excellence in and commitment to teaching and learning; Dr Jessica Byron, Senior Lecturer in the Department of Government was designated “Chévalier de L’Ordre National du Mérite” by the Government of France. She was conferred with this prestigious award that is open to French or Non-French individuals with a minimum of ten (10) to fifteen (15) years of civil or military service with distinguished achievements; Dr Orville Taylor received the Morris Cargill Award for Opinion Journalism from the Press Association of Jamaica.

In 2014-15, The Mona School of Business and Management (MSBM) was re-accredited by the Association of MBAs (AMBA) for a further three years after a comprehensive review of the school’s E/MBA programmes. AMBA commended the school for: the successful completion of the merger; staff and student commitment, and the strength of its leadership team; the “executive-in-residence” programme; impressive links with the corporate and business sectors; and recognition by national employers of the quality and reputation of UWI MBA graduates but identified key actions that the school needed to attend to, such as a comprehensive review of the structure, content and curriculum of the programmes in the MBA portfolio, in order to maintain its accreditation.

Other notable undertakings included (1) The proposal for the establishment of an Economic Policy Research Unit (EPRU) within the Department of Economics, spearheaded by Professor Edward Gharthey, was approved by the Finance and General Purposes Committee (F&GPC) Mona in November 2014: (2) The initial offering of the Diploma in Social

Protection, a joint effort between the Faculty and the Organisation of American States (OAS), concluded in 2014–15 with thirteen (13) of the fourteen (14) participants completing; seven with distinction. The programme was developed to build and enhance capacity to conceptualize and design Caribbean or country specific social protection strategies, policies, and programmes, enhance capacity to deliver social protection programmes, and to build and enhance monitoring and evaluation capacity. The Faculty would like to thank Dr Heather Ricketts and her team who spearheaded the Faculty's participation in this partnership with the OAS.

Following the successful completion of the UWI/ Ministry of Education (MOE) National College for Educational Leadership (NCEL) Aspiring Principal's Pilot Programme, the UWI and the MOE met in April 2015 to discuss the Ministry's interest in expanding the programme within UWI. Based on the initial discussions, there was agreement to explore the possibility of the establishment of a Centre, at the Mona School of Business and Management (MSBM) to continue housing the programme as a collaborative arrangement between NCEL and MSBM.

CHALLENGES

For some time now, the Faculty has been faced with the problem of mould and poor air quality in some sections of the Alister McIntyre Complex. This has caused great inconvenience for both staff and students. Efforts have been made to re-locate some staff members who were very badly affected to the Aqueduct Flats and effect short term interventions to ameliorate the situation. A project team managed by Gillian Scarlett from the Projects Office and members from affected departments as well as all the experts from around the campus, has been established to eradicate the problem. So far, extensive cleaning of the infected areas, furniture, and computer items has taken place, while the project is on-going. In the interim individual air-conditioning units have been installed in certain teaching spaces in order to begin the new academic year. The mould eradication programme should be completed by year end.

FINANCIALS

In the harsh economic climate and in an effort to contribute to the finances of the Campus, the Faculty has sought to enhance and expand its self-funded programmes. For the academic year 2014–15 our Weekend Programmes netted approximately JA\$8,000,000; Summer School produced a profit of JA\$20,000,000, and the Department of Sociology Psychology and Social Work generated profits of approximately JA\$67.5 Million through their Applied Psychology, Clinical Psychology, MSc HRD/PhD OB programmes. Other departments have made substantial earnings from similar programmes, with a total of close to twenty (20) self-financed graduate programmes.

EMPLOYEE ENGAGEMENT AND DEVELOPMENT

Over the academic year 2014/15, the Faculty continued with its focus on improving and advancing staff engagement and development through a variety of interventions in all departments. The Department of Sociology Psychology and Social Work (SPSW), for example employed a consultant to review its administrative structure, work flow, analysis of work tasks and assessments of staff competencies and job descriptions. Additionally, the administrative staff and the Head of Department for SPSW attended and participated in a workshop titled: How to Create a Rocking Work Environment. This was geared towards motivating staff and improving the work environment.

Notwithstanding the lack of finances, the Faculty supported many of its academic staff with requests to attend international conferences. Among these, Dr Christine Clarke from the Department of Economics attended the Commonwealth Secretariat's workshop on Building Resilience in the Caribbean held in London April 2–5, 2015 and presented on Regional Public Goods and Potential Synergies across the Caribbean. In January 2015, Dr Jessica Byron attended a Conference at the Université Antilles-Guyane in Guadeloupe and presented on the topic "Regional Responses and Perspectives on the Cuba-US Rapprochement". Dr Orville Taylor presented a paper titled "Mario Deane aint Trayvon Martin" at the

Association of Black Sociologists annual Conference in North Carolina, October 2015.

INTERNAL OPERATIONAL PROCESSES

The FSS Dean is the Perspective owner for the Internal Operational Processes for the Campus-wide initiatives. The perspective contains three Objectives: Improve Academic and Administrative Process Efficiency, Strengthen ICT as a Strategic Enabler, and Optimize and Improve the Physical Plant. These three objectives consist of nine initiatives that are managed by Seven Initiative Owners. Some of these activities include contact with external entities (such as Digicel Business) for collaboration, on improving ICT facilities on the campus and to strengthen our WiFi capability in classrooms, common areas, and halls of residence and to establish a point of presence for fibre connectivity on the Campus.

Additionally, the ICT Advisory Committee in collaboration with the Mona School of Business and Management was successful in implementing a proposed project of a mobile App to enhance information and service delivery to students. This has since been launched. The App's features include class schedules, faculty and staff directory, calendar of events, news, reservations/scheduling for study spaces, videos/photos, social media integration, campus maps and on campus dining options. It is hoped that the App will soon become available to other departments and students within the Faculty.

TEACHING, LEARNING AND STUDENT DEVELOPMENT

In an effort to improve academic excellence in the Faculty, several new programmes and courses were introduced and approved and others strengthened and improved. In this regard, the Mona School of Business and Management (MSBM) revised its MBA programme. The revision which was approved by the Board for Graduate Studies will eliminate the Executive MBA (EMBA) programme and instead offer one MBA with two learning pathways instead of both MBA and EMBA as separate programmes. The programme will be offered full time and part time.

The revised programme is more in keeping with international standards and will help to facilitate stronger collaboration with the business community.

Similarly, the Department of Sociology, Psychology and Social Work (SPSW) restructured the BSc Social Work programme, increasing the number of credits from 90 to 99. The new programme aims to strengthen students' skills in social intervention and provide specialized training on methods of responding to particular challenges faced by the school system. One of the three new courses offered is SOWK3011 – Social Work in Schools. The SPSW also proposed a revision of its existing MSc Sociology Programme, so as to bring it in line with the UWI Graduate Studies regulation that all taught MSc programmes should have no less than 35 credits. The Department of Government also revised and renamed both the BSc and MSc in Public Sector Management. The BSc programme, which will be offered at both Mona and the Western Jamaica Campus, was renamed BSc in Public Policy and Management and the MSc was renamed MSc in International Public and Development Management.

SALISES also effected a noticeable enhancement in a new course introduced to aid in student development, the proposed Caribbean Integration Institutions (Study Tour Experience) course. The course supports the Principal's Regional Initiative on Caribbean Integration. It is a Summer School course which will offer an experiential learning opportunity to students interested in analyzing the role and performance of regional institutions in Caribbean integration and development. Participants will visit key regional institutions headquartered in the campus countries of UWI at Mona, Cave Hill and St. Augustine. They will also visit the Secretariats of the Organisation of Eastern Caribbean States (OECS) and the Caribbean Community (CARICOM). The course will expose students to the historical evolution of regional governance institutions and facilitate their investigation into the influence of various internal and external political, socio-economic and cultural factors on the institution-building process. Students will engage with case-study analysis and critiques of the contribution of regional institutions

to Caribbean development. They will develop skills in institutional analysis and apply those skills to the documentation of good regional governance practice and formulation of proposals for regional governance reform.

Improvements to resources and facilities that have noticeably enhanced teaching and learning are infrastructure upgrades that were done to the class rooms at the Mona School of Business and Management (MSBM), in particular the construction of a finance lab using Bloomberg technology. These upgrades no doubt will contribute further to the excellent rankings MSBM achieved in the published Eduniversal Best Masters Ranking 2014/2015. The following four Masters programmes were ranked among the top two hundred programmes in the world, in regional rankings of nine geographical zones.

- Master of Science in Accounting – ranked 11th in Accounting and Auditing, Latin America
- Computer Based Management Information System (CBMIS) – ranked 12th in Information Systems Management, Latin America
- Master of Science in Telecommunications Policy and Technology Management – ranked 27th in Engineering and Project Management, Latin America
- Master of Business Administration – Full Time – ranked 20th in MBA full time, Latin America

STUDENT ACHIEVEMENTS

Despite the financial constraints, the Faculty, continued to support students' engagement and participation in local and international competitions and conferences to enhance their skills and abilities and the UWI profile overall. In this regard, the Faculty is proud to highlight two of its undergraduate students from the Department of Government, Garrick Donaldson and Rashaun Watson who placed 1st and 2nd respectively in the Southwestern Black Student Leadership Conference's Oratorical Contest which was held on January 24, 2015 in Texas, USA.

The students are members of the Department of Government's High Achievers Society. Based on the impressive performance of the students, the UWI was presented with an award for International Recognition. Similarly, three students from the Mona School of Business and Management (MSBM), Thamar Binns, Kacey-Ann Nelson and Jodi-Ann Stephenson, were awarded the 2014 NCB Vision Award on the basis of submitting the best business plan for their final year undergraduate entrepreneurial project.

Another exceptional student achievement was celebrated in November 2014 when MBA students from the MSBM placed 1st and 2nd in the 2014 Vincent HoSang UWI Venture Challenge competition. They also won prizes for: Best Presented Financials and the Joan Duncan Award for Corporate Social Responsibility. At the beginning of the academic year the Faculty supported SALISES in its effort to award two students from the MSc Development Programme graduate scholarships at a value of \$400,000 each.

RESEARCH AND INNOVATION

The Faculty of Social Sciences continues to provide high impact research which influences national policy making and provides insights into problems of national importance. Some notable achievements from the Faculty over the academic year 2014–15 included the accomplishments of faculty members in the Principal's Research Day Awards. Professor David Tennant received the award for Best Research Publication for the project article "Explaining Related Party Transactions in Commercial Banking: Looted lending and Information-based Investments". Professor Densil Williams received the award for Most Outstanding Researcher for the following publications:

1. Resources and Failure of SMEs: Another Look
2. Competitiveness of Small Hotels in Jamaica: An Exploratory Analysis
3. SMEs' adoption of enterprise applications: A Technology-organisation-environment Model

4. The Enabling Business Environment and Business Failure among Start-Ups: A Cross Country Analysis

Professor Evan Duggan, Dr Maurice McNaughton, Dr William Lawrence received the award for the Research Project Attracting the Most Research Funds for the project entitled “Applied Research in Corporate Renewal and Transformation” and Professor Evan Duggan, Professor Stafford Griffith, Mrs Allison Bailey Wedderburn, Dr Luz Longsworth, Dr Anna Perkins, Dr Lila Rao-Graham received the awards for Research Project with the Greatest Multidisciplinary/Cross-Faculty Collaboration for the UWI Ministry of Education (MOE) National College for Educational Leadership (NCEL) Aspiring Principals Programme.

This year the Faculty’s staff members were engaged in a wide range of research efforts that focused on a variety of issues of relevance to our struggling Caribbean community. These were reflected in conference presentations, academic publications and technical reports. Topics explored included: Entrepreneurship and experiential learning; the effect of distance learning versus conventional delivery on student’s academic performance in Jamaica; Legal and regulatory barriers to entrepreneurship and innovation; International information systems issues and processes; Technology and how it influences and affects the travel and tourism industries; Cyber-crimes and the banking sector; Entrepreneurship; Family and locally owned businesses; Challenges of life and livelihoods in the workplace and community; The challenges of business education; Building human capital through education; Exploring the attitudes of Jamaican students towards school and academic achievement; Exploring the discourse on a Tablets-in-Schools programme; Employee resistance and the service experience; Women, beauty and aging; Women in the music industry; Children issues such as crisis and household vulnerabilities and child rights; Parenting; Masculinity and the role of fathers.

Other issues explored related to poverty; culture and the perception of culture; the importance of national culture on team work; Exploring the roots and legacies of modern Jamaica; Brand Jamaica; Sexuality and Passing in Jamaica; Rastafarianism; Marcus Garvey; Local Government and strengthening its capacity through performance management; The

West Kingston enquiry; Election Observation in the Caribbean; Jamaica's Foreign Policy and Strategic Culture; Information Systems related issues and how they benefit organisations; Social Networking Systems and how they serve as motivation; Caricom and the Commonwealth relationship; Constitutional Reform and Social Partnership; Revisiting the Grenadian Invasion; Negotiating Caribbean Freedoms; Housing in Jamaica.

In the economic sphere, researchers examined phenomena such as Financing Development in Jamaica; the economics of sports; Financing tertiary education; Estimating the poverty line; Microeconomic recovery and growth; the financial crisis and lessons for the future; Rationalizing health care to sane cost of treating cardiovascular diseases in Jamaica; Prospects for a sustainable low-carbon future Jamaica; Digicel versus Lime and how consumers will fare in the fight for market share; Domestic interest rates and FDIs under uncertainty. On the international front, the Armenian genocide; Strengthening counterterrorism; CARICOM foreign policy; International security and drug control systems; The future of the OAS; Empirical evidence of economic growth and financial development in Ghana; Financial constraints and investment – evidence from US companies.

In continuing efforts to improve the quality of research supervision in the Faculty, the FSS Graduate Sub-committee finalized a document entitled "Towards an Indicative Doctoral Supervisory Model for the Social Sciences". The guidelines, which were ratified by FSS Faculty Board, are intended to complement existing UWI regulations and the Graduate Studies and Research Handbook in order to promote:

- Improved accountability of supervisors and candidates;
- Timely completion of PhDs;
- Improvement in the supervisory experience for candidate and supervisor ;
- Improved quality of theses; and
- Ethical authorship of research flowing from PhD research.

The guidelines also covered the following areas: Admissions; Identifying and assigning a supervisor and advisory committee; The role of

administrative support; The examination process; Recourse/redress and grievance; Issues relating to publications; and Withdrawal on the grounds of non-performance.

The Faculty is extremely proud of the accomplishments of its scholars, who launched eleven (11) books during the 2014–15 Research Days. They are as follows:

- *Identity, Culture and the Politics of Community Development*, edited by Dr Stacey-Ann Wilson
- *Fear of Cybercrime and its Implications for Electronic Banking: Lessons for the Global e-Banking Sector*, authors: Dr Lloyd Waller (lead author), Dr Corin Bailey with Mr Stephen Johnson
- *Teaching to Difference? The Challenges and Opportunities of Diversity in the Classroom?*, editors: Dr Stacey-Ann Wilson and Dr Nicole E. Johnson
- *Gangs in the Caribbean: Responses of State and Society*, edited by: Professor Anthony Harriott and Professor Charles Katz
- *Perspectives on Caribbean Football*, author: Dr Christopher A.D. Charles
- *Tourism Reader for the Caribbean*, author: Professor Ian Boxill and Diaram Ramjeesingh
- *The Remaking of Global Hegemony*, edited by: Professor Ian Boxill
- *Beyond the Shadows of Caribbean Cinema: Lighting a Caribbean Film Industry*, author: Dr. Anthony Frampton
- *Broken Promises, Hearts and Pockets: A Century of Betrayal of the Jamaican Working Class*, author: Dr Orville Taylor
- *Debt and Development in Small Island Developing States*, editors: Dr Damien King, Dr David F. Tennant
- *Knowledge Networks and Tourism*, edited by: Dr Michelle McLeod and Professor Roger Vaughan

Two other books were launched during the same period: Dr William Lawrence's *Business Renewal and Performance in Jamaica* and Professor Densil Williams' third book entitled *Competing Against Multi-Nationals*

from Emerging Markets: Case Studies of SMEs in the Manufacturing Sector.

A total of twelve (12) students completed the requirements for the PhD degree.

OUTREACH

Staff members from the FSS continue to be very active in various community outreach programmes. Several colleagues also availed themselves as discussants on current affairs issues on various television and radio programmes. Some such are: Dr Jermaine McCalpin spoke on the status of the West Kingston Commission of Enquiry on the programme All Angles. Dr Maziki Thame was a discussant on the topic “Beauty Contests, Race and Identity” also on All Angles. Dr David Tennant gave a public lecture to the Manchester Chamber of Commerce, titled ‘Creating national wealth through the Jamaica Logistics Hub: moving beyond ports and parks to people and processes’.

A plethora of well planned and executed Symposia, Fora, and Conferences were also organized.

CONCLUSION

Despite various difficulties and constraints, the FSS continued to take initiatives to improve and advance staff employee and engagement by continuing to support staff members’ attendance to various conferences and employing research assistants to help academics with their research projects. The Faculty has maintained and extended its scholarly footprint and quality in the area of teaching and learning specifically as it relates to revising and revamping a number of its undergraduate and graduate programmes and has introduced new courses to broaden students learning with a view to producing graduates with enhanced, work ready and life-long learning skills. Staff members continue to engage the wider community participating in worthwhile outreach projects and new and relevant research initiatives have continued, the publication of thirteen edited books highlights this accomplishment.

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 its focus on the goals outlined in the strategic plan. Along with the delivery of our widely respected and increasingly popular undergraduate and graduate programmes, we continued our involvement in several academic and professional activities. These activities included the Department's weekly research seminar, public lectures, symposia, radio and television interviews. Faculty members continued to sit on various public and private sector boards contributing to policy making decisions. Curriculum reform continues to be ongoing.

The Department said farewell to Mrs. Peta-Gay Fairclough-Campbell. She served in the Department of Economics for nine years of which four years was at the Western Jamaica Campus. She left to pursue doctoral studies in Canada. The Department, and indeed the entire Mona campus, mourned the passing of the retired Head of Department, Alfred

Francis. He passed on July 24, 2015. Professor Francis who was a graduate of MIT, was a member of the Department of Economics from 1962 to 1984 and again from 1992 to 2004, serving two different stints as Head of Department. He retired from the Department in 2000 but continued to serve as George Beckford Professor for four years.

The Department conducted a symposium on “Financing Development in Jamaica”. The event saw a combination of academics and practitioners presenting on topics critical to development financing in Jamaica, responding to the question “Is the financial sector ready?” The two part symposium featured presentations from Professor David Tennant and Dr. Damien King of the Department, Mr. Karsten Muller from University of Warwick, Dr. Jide Lewis of the Bank of Jamaica, and Mr. Lyndon Martin from the Financial Services Commission.

The Department also put on a number of public lectures during the academic year. Dr. Christine Clarke delivered a lecture on football in Jamaica, titled “Reggae Boyz: Does the Coach Matter?” on March 31, at the Undercroft, UWI. “Financing Tertiary Education” was delivered by Dr Peter-John Gordon, with a presentation by The Hon. Ronald Thwaites, Minister of Education, on September 23, 2014 at the Undercroft. “DIGICEL vs. LIME: How will consumers fare in the fight for market share?” was presented by Dr Abdullahi Abdulkadri at the Undercroft, UWI on November 25, 2014.

The Department facilitated a research visit by Mr Karsten Muller, of the University of Warwick for the period March 21–April 24, 2015. During his stay he participated in our symposium entitled “Financing Development in Jamaica: Is the Financial Sector Ready for Economic Growth?”

As part of Research Day activities 2015, the book *Debt and Development in Small Island Developing States* edited by faculty members, Dr Damien King and Professor David Tennant, was launched. The keynote speaker for the event was the Honourable Peter Phillips, Minister of Finance and Planning and Discussant (via skype) was Ambassador Richard Bernal, an Executive Director at the Inter-American Development Bank in Washington, D.C., USA. The launch was held on February 10, 2015 at the Undercroft.

STAFF DEVELOPMENT

Drs. David Tennant and Abdullahi Abdulkadri were promoted to the rank of professor.

PAPERS PRESENTED

Conference Presentations

- **Abdulkadri, Abdullahi.** (2015, March). “Debt Sustainability and Sustainable Development: The Case of Caribbean Countries”. Center for Latin American and Caribbean Studies Spring 2015 Seminar Series, Michigan State University, East Lansing, USA.
- **Abdulkadri, Abdullahi.** (2014, November). “Rationalizing Health Care to Save Cost of Treating Cardiovascular Diseases in Jamaica: Who Gains, Who Loses?” Ministry of Health 5th National Health Research Conference, Jamaica
- **Abdulkadri, Abdullahi.** (2014, October). “Attaining Sustainable Development: Options and Challenges”. American University of Nigeria Seminar Sustainable Development Seminar, Yola, Nigeria.
- **Abdulkadri, Abdullahi.** (2014, June). “Prospects for a Sustainable Low-Carbon Future for Jamaica”. Sustainable Futures in a Changing Climate Conference, Helsinki, Finland, 10 pp.
- **Braithwaite, Samuel.** (2015, January). “Technological Advancement in the Lewis Model”. Arthur Lewis Centennial Conference, St Lucia
- **Clarke, Christine.** (2014, July) “Managerial Performance and Team Composition in International Soccer: Evidence from Jamaica”; “Sport Policy and Ministerial Hopscotch”; “Fiscal Sustainability and Economic Development in the Post-Crisis world: Econometric Evidence from Jamaica”; “Sport 3: Probing the Boundaries”, Western Economic Association International (WEAI), Denver Colorado
- **Evans, Alecia.** “The Economic Impact of Road Traffic Fatalities in Jamaica” 95th Southwestern Social Science Association Conference (2015), Denver Colorado

Department of Economics

- **Evans, Alecia.** “Preservation or Exploitation: What to do with the Caribbean Ecosystem?” 94th Southwestern Social Science Association Conference (2014), San Antonio Texas
- **Evans, Alecia.** “The Economic Impact of Climate Change on Energy Demand in Jamaica” Sustainable Futures in a Changing Climate – Future Infinite Academic Conference (2014), Helsinki, Finland
- **Ghartey, Edward.** (2014, June). “Empirical Evidence of Economic Growth and Financial Development in Ghana,” The 12th Biennial APF Conference, Toronto, Canada.
- **Ghartey, Edward.** “Effects of exchange rates on prices and inflation in Ghana,” Roundtable Conference, Institute of Economic Affairs, Accra, Ghana
- **Haughton, Andre.** (2015, March). “Current Account and Real Foreign Exchange Dynamics in the Caribbean and Latin America Compared to the G7”. Eastern Economic Association Conference, New York.
- **Keil, Jan.** (2015, March). “Empirical Evidence of Economic Growth and Financial Development in Ghana”. Eastern Economic Association Conference, New York

RESEARCH SEMINARS

Presenter: Dr Damien King and David Tennant
Title: Asymmetric Bias and Self-fulfilling Sovereign Defaults
Date: January 22, 2015

Presenter: Dr Samuel Braithwaite
Title: Technological Advancement in Lewis Model
Date: January 29, 2015

- Presenter: Dr Marie Freckleton
Title: “The Services Trade in small Economies”
Date: February 26, 2015
- Presenter: Dr Peter-John Gordon
Title: “Moral Hazard and Adverse Selection in the Demand for Health Services”
Date: March 12, 2015
- Presenter: Dr Tamoya Christie (State University of New York: formerly of the Dept.)
Title: Gender Equity in Taxation in Jamaica
Date: March 19, 2015
- Presenter: Dr Andre Haughton
Title: “Current Account and Exchange Rate Dynamics in the Caribbean and Latin America”
Date: November 13, 2014
- Presenter: Dr Jan Keil
Title: “Financial Constraints and Investment – Evidence from US Companies”
Date: September 25, 2014
- Presenter: Dr Nadine McCloud Rose
Title: “Domestic Interest Rates and FDI under Uncertainty”
Date: March 26, 2015

Department of Economics

Presenter: Dr Patrice Whitely
Title: “The Impact of Class Attendance on Student Performance: Evidence from the Tropics”
Date: February 12, 2015

PUBLIC FORA

- **Dr Abdullahi Abdulkadri**, DIGICEL vs. LIME: How will consumers fare in the fight for market share? Undercroft, UWI Mona on November 25, 2014
- **Dr Samuel Brathwaite**, Advancing Subsistence Economic Activity for Economic Development, Regional Headquarters, UWI Mona on April 1, 2015
- **Dr Christine Clarke**, Regional Public Goods and potential synergies across the Caribbean, London England, April 2–5, 2015
- **Dr Christine Clarke**, Reggae Boyz: Does the Coach Matter? Learning from the Data , Undercroft, UWI Mona on March 31, 2015
- **Dr Peter-John Gordon**, “Financing Tertiary Education” Undercroft UWI Mona on September 23, 2014
- **Ms Wanda James, Dr Andre Haughton, Dr K’adamawe K’nife, Dr Mark Gillis, Mr Clyde Williams**, Guilty Drug/ Innocent Plant: A Symposium on the Legalization of Ganja, Faculty of Law, UWI Mona on October 28, 2014
- **Dr Damien King**, “Access to International Capital: Do the credit agencies help or hurt?”, Regional Headquarters, UWI on April 21, 2015
- **Professor David Tennant**, “Access to Domestic Finance: Is recent progress sufficient?”, Regional Headquarters, UWI on April 21, 2015

PUBLICATIONS

Books

King, Damien and Tennant, David. F. (eds.) 2014. *Debt and Development in Small Island Developing States*. New York: Palgrave Macmillan.

Journal Articles

- Abdulkadri, A.O., M. K. Tulloch-Reid, D. K. Francis, G. M. Gordon-Strachan, N. O Younger-Coleman, K. D. Rocke, S. R. McFarlane, C. A. Cunningham-Myrie, T. S. Ferguson, R. J. Wilks, S. G. Anderson, 2015. "WHO/ISH total risk approach to primary prevention of cardiovascular disease shows greater decrease in costs for women but not the elderly in Jamaica." *Journal of Clinical Epidemiology*, 68: 994-1001.
- Cunningham-Myrie, C., A. Abdulkadri, A. Waugh, S. B. Ali, L.-G. King, J. Knight-Madden and M. Reid., 2015 "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*, 62: 1862–1864.
- Abdulkadri, A.O., 2014. "Variation in Prices of Food Items in Jamaica: An Exploratory Analysis of Pricing Mechanisms of Supermarkets in Kingston." *Global Journal of Agricultural Innovation, Research and Development*, 1:45-50.
- Abdulkadri, A.O., 2014. "Jamaica: A Case Study in Debt Sustainability and Sustainable Development." *Journal of Sustainable Development Studies*, 7(1): 19-35.
- Abdulkadri, A.O., 2014. "Impact of Deregulation of the Jamaica Mobile Phone Market on Calling Rates." *American Journal of Economics and Business Administration*, 6(2): 81-88.
- Abdulkadri, A.O., 2014. "Achieving the Renewable Energy Target for Jamaica." *Expert Journal of Economics*, 2(1); 37-44.
- Evans, A. "Preservation or Exploitation: What to do with the

Caribbean Ecosystem?” *Journal of Sustainable Development Studies*, Vol. 7, No. 1, 2014, 109–131.

- Annelle Bellony, **Christine Clarke**, Barry Reilly "Pay disparity and ethnicity: evidence for Belize men" *Social and Economic Studies* Vol. 64, No. 2 June 2015.
- **Ghartey, E. E.** (2015) "Causal Relationship Between Financial Development And Economic Growth In South Africa", *Applied Econometrics and International Development* (AEID), 15(1).
- Michael Delgado, **Nadine McCloud** and Subal Kumbhakar "A Generalized Growth Model of Corruption, Foreign Direct Investment and Growth," *Journal of Macroeconomics*, (2014), Vol. 42, pp. 298–316.
- **Tennant, David** and Tracey, Marlon. (2013). "Explaining related party transactions in commercial banking: looted lending and information-based investments". *Applied Financial Economics*. 23(19): 1509-1530.

Articles in Books

- **Abdulkadri, A.** (2014). "Debt Sustainability and Sustainable Development in SIDS". In King, D. and D. F. Tennant (eds.), *Debt and Development in Small Island Developing State*. Basingstoke: Palgrave Macmillan, p. 219–38.
- **King, Damien.** (2014). "Debt and Development in SIDS: Issues, Institutions, and Insights". In King, D. and D. F. Tennant (eds.), *Debt and Development in Small Island Developing States*. Basingstoke: Palgrave McMillan.
- **King, Damien.** (2014). "The Sources of Debt in SIDS". In King, D. and D. F. Tennant (eds.), *Debt and Development in Small Island Developing States*. Basingstoke: Palgrave McMillan.
- **King, Damien** and Robinson, Michele. (2014). "An Agenda for Debt Sustainability in SIDS". In King, D. and D. F. Tennant (eds.),

Debt and Development in Small Island Developing States. Basingstoke: Palgrave MacMillan.

- **Tennant, David.** (2014). “Debt and Development in SIDS: An Urgent Call for Action”. In King, D. and D. F. Tennant (eds.), *Debt and Development in Small Island Developing States*. Palgrave-MacMillan.
- **Tennant, David.** (2014). “The Debt-Development Dilemma: Challenges, Channels and Complexities”. In King, D. and D. F. Tennant (eds.), *Debt and Development in Small Island Developing States*. Palgrave-MacMillan.
- **Tennant, David** and Brown, Kario-Paul. (2014). “Prospects for the Growth of Debt in Selected SIDS”, In King, D. and D. F. Tennant (eds.), *Debt and Development in Small Island Developing States*. Palgrave-MacMillan.

PUBLIC SERVICE

Clarke, Christine

- Member of the Bank of Jamaica Board; Chair for the Audit Committee
- Member of the Budget Committee and the Board Pension trustee.

Freckleton, Marie

- Member, Jamaica Bauxite Mining Board

Haughton, Andre

- Member, Point Global Marketing Board

King, Damien

- Member of the Denoes & Geddes Ltd. Board; Chair of the Board’s Audit Committee

Tennant, David

- Member, Loans and Investment Committee of the Petrocaribe Development Fund
- Member, Supervisory Committee of the Bank of Jamaica.

STUDENTS

Students registered in the Department's undergraduate programme are listed as follows:

Major/Minor	Totals
Banking and Finance Major	462
Banking and Finance Special	16
Business, Economic & Social Statistics	2
Economics Major	455
Economics Minor	40
Economics Special	9
Statistics Major	82
Statistics Minor	4
Total	1070

AWARDS

Damien King

Runner up for the UWI/Guardian Life premium teaching award, October 2014

Prizes awarded by the Department

(Graduate)

Top Student Award – Best graduate student

The Economics Theory Prize – Best Economic Theory student

The Econometrics Prize – Best Econometrics student

The George Beckford Prize – Best Student in Economic Development

(Undergraduate)

The Economics Prize – Best Economics student

The Statistics Prize – Best Statistics student

The Alfred Francis Prize – Best Econometrics student

The Research Prize – Best Researcher – Applied Econometrics

DEPARTMENT OF GOVERNMENT



Dr. Lloyd Waller,
Head of Department

WORK OF THE DEPARTMENT

PAPERS PRESENTED

- **Dr. Tracy-Ann Johnson-Myers** on Thursday October 30, 2014, presented at the Department of Government Graduate Research Seminar. Dr. Johnson-Myers presentation was titled, “The Effects of Mixed Member Proportional Electoral System on the Political Representation of Women and Ethnic Minorities. A Case Study of Women and Maori in New Zealand”.
- **Dr. Jessica Byron** made presentations at the following Seminars and Conferences: January 22, 2015: presentation “Regional Responses and Perspectives on the Cuba-US Rapprochement” in the context of a public forum on “Cuba-United States: Todos Americanos? reflections on the historic US-Cuba Rapprochement” organized by the CAGI

Centre of the Universite Antilles-Guyane and the Mayor's Office of Pointe-a-Pitre Guadeloupe.

- **Dr. Jessica Byron:** February 18–21 2015: Attendance at the International Studies Association 56th Annual Convention, New Orleans, USA, "Global IR and Regional Worlds". (i) Presented in Roundtable WA42 on "Transdisciplinarity, Transregionalism. Transculturalism and other transgressions in Research/Practice: Reflections from Fieldwork on Development among the Marginal and Marginalized". (ii) Acted as discussant for Panel SD77 "Strategic Politics for the Poor, Small and Powerless? Caribbean Integration as Global Politics".
- **Dr. Sonia Gatchair** attended the International Research Society in Public Management (IRSPM) Conference in Birmingham England March 29–April 02, 2015 and presented a paper on "Implementation of Fiscal Responsibility Frameworks in Local Authorities".
- **Dr. Tracy Ann Johnson-Myers** attended the Midwest Political Science Association Conference in Chicago from April 15–19, 2015 and presented a paper on "The Mixed Member Proportional Representation System: Providing greater representation for Ethnic minorities?"
- **Dr. Omar Hawthorne** attended the Inaugural Office of the Contractor General Anti-Fraud and Corruption Conference, March 09–11, 2015 Kingston, Jamaica. Her presentation was titled "Infawma fi dead culture: A Case study of Protection for Whistleblowers in Jamaica"

PUBLICATIONS

- **Lloyd Waller, Corin Bailey and Stephen Johnson** "Fear of Cyber-Crime: Lessons For The Global E-Banking Sector". (2015)
- **Byron Jessica and Patsy Lewis**, "Responses to the Sovereignty/Vulnerability/Development Dilemmas: Small Territories and Regional Organizations in the Caribbean" in Danielle Perrot ed. *Collectivites Territoriales et Organisations Regionales: de l'Indifference a l'Interaction*,

Chapter Nine, Paris: Editions L'Harmattan, Collection GRALE, ISBN 978-2-343-05111-6 488 pp., 2015.

- **Byron, Jessica** "What is the Future of the OAS? A Conversation with Pia Riggiozzi, Andrew Cooper, Rodrigo Paez Montalban, Jessica Byron and Oliver Stuenkel", *Americas Quarterly Winter 2015 Special Edition*, pp. 39– 45 (2015)
- **Byron Jessica** "The 'Slums of Empire' and Gordon K. Lewis: Reflections on Decolonization and Sovereignty in the Caribbean" in Meeks B., McCalpin J. eds. *Freedom. Power and Sovereignty: The Thought of Gordon K. Lewis*, Kingston: Ian Randle Publications. (2015)
- **Byron Jessica** "Una Perspectiva Caribena sobre el Regionalismo: Cual es el rol de la Celac?" Chapter Five in Aponte Garcia M., Amezcuita Puntiel G. eds. *El ALBA-TCP: Origen y Fruto del Nuevo Regionalismo Latinoamericano y Caribeno*, Buenos Aires: CLACSO Coleccion Grupos de Trabajo, pp. 147–170. (2015)
- **Byron Jessica, and Lewis P.** "Responses to the Sovereignty/ Vulnerability/Development Dilemmas: Small Territories and Regional Organizations in the Caribbean" book chapter in Perrot D. ed. *Collectivites Territoriales et Organisations Regionales: De l'Indifference a l'Interaction*, Paris: L'Harmattan Collection GRALE pp. 381–410. (2015)
- **Thame, Maziki** "Report on the Status of People of African Descent in the Caribbean". *8th PAC Status Report Series*, No.8. Centre for Advances Studies of African Society (CASAS), Cape Town, 2014
- **Thame, Maziki** "Disciplining the Nation: Considering the Privileging of Order over Freedom in Postcolonial Jamaica and Barbados", *Social and Economic Studies*, Vol. 63, No. 2, June, 2014: 1–30. (2014)
- **Byron, Jessica** "CARICOM Foreign Policy since 2009: A Search for Coherence in National and Regional Agendas" Chapter Four in Bonilla A., Jaramillo G. eds. *La CELAC en el Escenario Contemporaneo de America Latina y del Caribe*, San Jose C.R.: FLACSO/CAF, pp. 79–100. (2014)

- **Byron, Jessica** “CARICOM Foreign Policy since 2009: A Search for Coherence in National and Regional Agendas” Chap Four pp. 79–100 in Adrian Bonilla & Grace Jaramillo eds. *La CELAC en el Escenario Contemporaneo de America Latina y el Caribe*, San Jose C.R: FLACSO/CAF 2014, 130 pp. (2014)
- **Haughton, Suzette A.** “The 2009 Jamaica-USA Extradition Affair: A ‘Securitized’ Response to Jamaica’s Drug Problem”, *Caribbean Journal of International Relations and Diplomacy* (CJIRD), September, 2(3): 15–41. (2014)
- **Haughton, Suzette A.** 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. (2015)
- **Haughton, Suzette A.** 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. (2015)
- **Wilson, Stacy-Ann**, “Identity, Culture and the Politics of Community Development. (2015)
- Wilson, Stacy-Ann, and Dr. Nicole E. Johnson, “Teaching to Difference? The Challenges and Opportunities of Diversity in the Classroom” (2015)
- **Charles, Christopher** “Perspectives on Caribbean Football” London: Hansib Publications. (2015)
- Charles, C.A.D.& Wilson, B. “The entrepreneurial experiences of a Jamaican Posse in the South Bronx”. in A. Harriott and C. Katz (ed.) *Gangs in the Caribbean*. pp117–138. Jamaica: University of the West Indies Press. (2015)
- Charles, C.A.D. & Maras, M-H. “Strengthening counterterrorism from the information of a successful terrorist attack and failed missions in the United States”. *Journal of Applied Security Research*, 10, 155–180. (2015)
- Thame, Maziki and Dhanaraj Thakur, “The Patriarchal State and

Department of Government

the Development of Gender Policy in Jamaica”, in *Politics, Power and Gender Justice in the Anglophone Caribbean: Women’s Understandings of Politics, Experiences of Political Contestation and the Possibilities for Gender Transformation*. IDRC Research Report 106430-001, Gabrielle Jamela Hosein (Principal Investigator) and Jane Palpart (Lead Researcher), Ottawa, ON Canada: International Development Research Centre, 2015. <http://hdl.handle.net/10625/53631>. (2015)

- **Byron, Jessica** “Developmental Regionalism in Crisis? Rethinking CARICOM, Deepening Relations with Latin America” *Caribbean Journal of International Relations and Diplomacy*, Vol 2, No. 4, December 2014, pp. 23–50. (2014)

AWARDS

- **Jessica Byron** Honoured by French Government
November 2014, recipient of French Government award Chevalier de l’Ordre National du Merite for contribution to the development and management of a jointly taught French-Caribbean B.Sc/M.Sc. programme in Politics and International Cooperation which links the University of Bordeaux IV, the Universite Antilles-Guyane and the UWI in its delivery and in staff research and teaching exchanges.

NATIONAL ENGAGEMENT

Dr. Jermaine McCalpin’s activities for the period December 2014-January 2015 are as follows:

Television

- December 3, 2014 – Television Jamaica current affairs programme All Angles – spoke on the status of the West Kingston Commission of Enquiry

Radio

- December 5, 2014 – Nationwide News Radio – Nationwide at 5-Commission of Enquiry or Trial
- December 9, 2014 Love FM, the conduct of the West Kingston Commission of Enquiry
- December 11, 2014 NCU FM – State of Affairs, Commissions of Enquiry and human rights
- December 12, 2014 RJR Beyond the Headlines, the conduct of the West Kingston Commission of Enquiry

Newspaper

January 5, 2014 – *Sunday Gleaner* – Guest columnist “Is Jamaica a democracy?”

Dr. Lloyd Waller’s activities for February 2015 are as follows:

1. Pre-negotiations with external funder for a Joint initiative with the ICS for the development of a BSc in Sports and Nutrition Management
2. DOG National Study on Political Victimization
3. Development of a DOG National Programme on Electoral Voting - iVote Jamaica
4. The Governance Society National held a Forum on “Political Participation”– Participants Director of Elections, MPs and CAFFE representatives
5. Plans are being put in place for a National Forum with ICS on the Politics of Art to take place at a date to be announced.

Dr. Maziki Thame’s Outreach activities for the period January–March 2015 were as follows:

1. Invited Guest on Newstalk 93 FM on March 15, 2015 on the program, “The Left and Caribbean Futures”

Department of Government

2. Invited Moderator, Panel Discussion: Literature, Gender and Identity, Jamaican Writers Society and the Next GENDERation Initiative, March 5, 2015.
3. “Gender-Based Violence and the Relevance of Feminism”, Jamaica Gleaner, February 8, 2015.
4. Invited Panelist, “Beauty Contests, Race and Identity”, All Angles – Television Jamaica (TVJ), January, 28, 2015.
5. Invited Guest, Conversation on the Opening of Diplomatic Relations between the US and Cuba on Talking History, Nationwide 90FM, December 20, 2014.

Dr. Eris Schoburgh served as a member of the panelists set up by the Government of Canada through the Federation of Municipalities for selection of a national coordination for the Caribbean Local Economic Development Project (CARILED) in Jamaica. Invited to be a member on the recommendation of the Ministry of Local Government and Community Development on the basis of knowledge of local government and governance in the Caribbean Region.

Dr. Eris Schoburgh convened planning meeting for UWI’s First International Research Society for Public Management (IRSPM) Regional Conference slated for October 1–3, 2015 at the Mona’s Visitors’ Lodge. Conference is an initiative of the Public and Policy Management Unit (PPMU) in the Department of Government (DoG). The conference is being hosted in association with the Mona School of Business and Management.

Dr. Lloyd Waller and **Ms. Nicola Satchell** sat on the planning committee for the Mixed Methods Research Caribbean Conference 2015 that was held March 12–13, 2015 at the Mona Visitors’ Lodge

Dr. Omar Hawthorne on April 09, 2015, attended the President Obama’s Youth Town Hall meeting, UWI, Mona

STUDENTS

The team representing The Department of Government High Achievers Society did exceptionally well at the Southwestern Black Student Leadership Conference held at Texas A&M University with over 500 participants and 60 universities being present. Congratulations to Garrick Donaldson and Rashaun Keiute Watson 1st and 2nd place winners in the Oratorical contest at the Conference. Both students were selected to be participants in The Advanced Leadership Institute, which comprised of students chosen based on their writing and leadership abilities.

Students from the Department of Government, UWI, Mona joined over 3,000 students from all over the world to compete at Harvard National Model United Nations Conference in Boston, Massachusetts from February 12–15. The UWI Mona students (12), who are members of the Model United Nations Club on campus, were delegates representing the State of Palestine in the conference's United Nations General Assembly simulation. At the conference, the students spoke, debated, negotiated and wrote draft UN resolutions on a wide range of current international issues, from international responses to ethnic crises, to the freedoms of journalists, to the Israeli settlements in the West Bank. In addition, the delegates had the opportunity to interact with students from a variety of different cultures and backgrounds. Jherane Patmore, 2nd year International Relations Major, won an award at the end of conference, a commendation for her public speaking and debating skills.

The Department of Government had its monthly Graduate Seminar on February 26, 2015 and April 16, 2015 in SR4. The following persons presented at the Graduate Seminar:

Mr. Othdane Thompson, Assistant Lecturer and PhD Candidate in the Department of Government made a presentation entitled, “ A comparative analysis of the electoral Strategies and Management systems used by the two major political parties in the 2011 general elections”

Mr. Louis EA Moyston is currently a Research Fellow at the Office of the Principal at the UWI, Mona Campus and a MPhil-PhD Candidate in the Department of Government, made a presentation entitled, “The

Department of Government

Emergence of Leonard P. Howell and Early Rastafari in the Anti-Colonial Struggles, Jamaica 1933 to 1938”

Mr. Marcus Mullings, final year Phd candidate in the Department of Government a UWI Postgraduate Scholarship recipient, presented an “Independent regulation in the Caribbean: a decentralized mode of governance in a centralized space. An assessment.”

DEPARTMENT OF SOCIOLOGY, PSYCHOLOGY AND SOCIAL WORK



Dr. Heather Ricketts, BSc., MPhil. PhD
Head of Department

WORK OF THE DEPARTMENT

During the 2014/15 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 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. The project is expected to be concluded by October 2015.

HRD Unit's 20th Anniversary Celebrations

The other major activity of the Department was the celebration of the 20th Anniversary of the Human Resource Development Unit. This involved the hosting of a conference which was held from May 27 to 29, 2015, under the theme: Transforming the Profile of Caribbean HRD: Building Global Organisations Locally. Noted Sociologist and author of the two-continua model of health and illness (Flourishing and Languishing), Professor Corey Keyes, the Winship Distinguished Research Professor at Emory University, was the keynote speaker.

Teaching and Learning

The restructured BSc Social Work programme was introduced, with the number of credits increased to 99, as opposed to the previous 90. The new programme aims to strengthen students' skills in social intervention and provide specialized training on methods of responding to particular challenges faced by the school system. One of the three new courses offered is that of SOWK3011 – Social Work in Schools.

In a bid to comply with the regulations regarding the credit weighting of Graduate programmes, a proposal for revisions to the MSc Sociology programme was approved by the Board for Graduate Studies. The revised programme is now 36 credits, up from 30, requiring students in the MSc in Social Policy and Administration, and the Sociology of Development options to take two additional compulsory courses, - Advanced Social Research Methods II (SOCI 6068), and Monitoring and Evaluation of Social Programmes (SOCI6069).

The development of a UWI cross-campus PhD in Clinical Psychology is currently being spearheaded by the Psychology Unit in the Department. This has involved substantial collaboration with colleagues in Psychology at the St. Augustine and Cave Hill campuses.

Conferences, Seminars, Symposia and Workshops

Spearheaded by the Psychology Unit, the annual Psychology Day conference was held on March 19, 2015, under the theme: The Grey Matter of Psychology: It is not just Black and White. The event was chaired by the graduate students of the Applied and Clinical Programmes. Going forward, the Unit has decided to alternate between the hosting of Psychology Day and Psychology Conference, making each bi-yearly.

Through the Sociology Unit, the Department co-sponsored a Peter Tosh Symposium themed: Peter Tosh – Activist and Pan-Africanist and a special Black History Month event titled: Roots Daughters and Dancehall Divas: Examining the Politics of Hair and Beauty for Black Women in Jamaica.

In keeping with the commitment to strengthen the administrative operations of the Department, the Administrative staff and Head of Department participated in a workshop titled: How to Create a Rocking Work Environment. This was geared towards motivating staff and improving the work environment, and was conducted by a lecturer in the Department, Dr. Rosemarie Johnson.

Assessment Centre – Research Days 2015

The Department, through Dr. Garth Lipps and Ms. Olivene Thomas, successfully staged a full-service Assessment Centre as part of Research Days 2015. This included testing, career counselling, CV preparation, lecturers on strategic staffing, and a session on dressing for success. The aim of the Assessment Centre was to simulate the workings of an HRD office.

Book Launch – Research Days 2015

The book *Broken Promises, Hearts and Pockets: A Century of Betrayal of the Jamaican Working Class*, authored by Dr. Orville Taylor, was launched on February 10, 2015.

Staff Development

On March 30, 2015, Mr. Orville Beckford, Lecturer in the Department, successfully defended his PhD thesis, with recommendation of ‘high commendation’.

Four colleagues were successful in being granted tenure: Drs. Julian Devonish, Caryl James, Ishtar Govia and Gillian Mason. Dr. Moji Anderson was promoted to the rank of Senior Lecturer, and Drs. Orville Taylor and Garth Lipps successfully crossed the bar at the Senior Lecturer level.

PAPERS PRESENTED

- **Anderson, M. & MacLeod, E.** (2015) “Back to the Brand: Inequality and Alienation Through ‘Brand Jamaica’”. Re:Imagine Jamaica: Unlimited Possibilities, Brand Jamaica Symposium 2015, Kingston, Jamaica, July 16–17 (8 pages).
- **Anderson, M.** (2015) “To Be Real Or Not To Be Real: Sexuality and Passing in Jamaica.” Caribbean Studies Association, New Orleans, USA, May 25–29. (8 pages).
- **Bailey, A.** (2015) “Exploring the Discourse on a Tablets-in-Schools Programme: A Content Analysis of Online Responses to Newspaper Articles”, Proceedings of the Association for Information Systems Special Interest Group on Global Development (SIG GlobDev) pre-ECIS Workshop, Munster, Germany, May 26, 2015, (15 pages).
- **Bailey, A.** (2015) “Online Responses to News of a Tablets-in-Schools Programme”, 13th International IFIP 9.4 Conference on Social Implications of Computers in Developing Countries, May 20–22, 2015, Sri Lanka, Poster presentation.

- **Bailey, A., Burke, O., Weekes, T. and James, M.** (2014) “University-Community Engagement and the Role of ICTs for Development”, Proceedings of the Association for Information Systems Special Interest Group on Global Development (SIG GlobDev) Seventh Annual Workshop, Auckland, New Zealand, December 14, 2014 (15 pages).
- **Baker, P.A.** (2014) “Older Persons and Disaster Risk Reduction in the Caribbean – Tools for Impact”. Presentation at the HelpAge International & UNISDR sponsored Regional Conference on the Inclusion of Older People in Disaster Risk Reduction. October 13–14, 2014, Jamaica Conference Centre, Kingston, Jamaica.
- **Baker, P., McLean Cooke, W. Elliott-Rattray, A., & Burns, S.** (2015). “Contemplative practices in the development of a professional identity: Experience from social work education”. Poster presented at the UWI Mona Research Day, The University of the West Indies, Mona. February 9–11, 2015. Poster presentation.
- **Baker, P., McLean Cooke, W. Elliott-Rattray, A., & Burns, S.** (2014). “I feel myself growing like a tree: Achieving “innerstanding” en route to the professional self.” Poster presented at the International Symposium on Contemplative Studies, Boston, Massachusetts, USA, October 30–November 2, 2014. Poster presentation.
- **Barnett, M.** (2014) “Positioning Marcus Garvey as a Foundational Pillar for the Civil Rights Movement.” 44th Association of Black Sociologists Conference, Charlotte, North Carolina, October 23–25 (12 pages).
- **Barnett, M.** (2014) “Rastafari in the New Millennium: The Historical Trajectory of Rastafari Revisited.” Public Lecture given at the University of Miami, Coral Gables Campus Florida, USA, November 20, 2014 (10 pages).
- **Barnett, M.** (2015) “Rastafari in the New Millennium: Gendered and Historical Perspectives.” Public Lecture given at Temple University, Philadelphia, Pennsylvania, February 27 (10 pages).
- **Barnett, M.** (2015) “Re-assessing the Rastafari Movement as an

implicitly Afrocentric Institution.” 40th Caribbean Studies Conference, New Orleans, May 25–29, 2015 (9 pages).

- **Barnett, M.** (2015) “Assessing the Impact of Rastafari on Jamaican Popular Music.” 40th Caribbean Studies Conference, New Orleans, May 25–29 (8 pages).
- **Branche, C.** (2015). “Orlando Patterson, Michael Mann and a Caribbean psycho-socio-cultural framework” at the HRD Graduate Programmes Unit’s 20th Anniversary Conference: Transforming the Profile of Caribbean HRD: Building Global Organisations Locally. Mona Visitors’ Lodge and Conference Centre. 28 May 2015 (14 slides).
- **Branche, C.** and Mitchell, Keisha A. (2015). “Social Affirmation: An Introduction” at the HRD Graduate Programmes Unit’s 20th Anniversary Conference: Transforming the Profile of Caribbean HRD: Building Global Organisations Locally. Mona Visitors’ Lodge and Conference Centre. 28 May 2015 (17 slides).
- Mitchell, K. A., Elias, M., **Branche, C.**, Terrelonge, A (2015). “Building Human Capital Through Education” at the HRD Graduate Programmes Unit’s 20th Anniversary Conference: Transforming the Profile of Caribbean HRD: Building Global Organisations Locally. Mona Visitors’ Lodge and Conference Centre. 28 May 2015. (41 pages).
- **Branche, C.** and **Olivene Thomas.** (2015). “The Effects of Informalism on the Caribbean Organisation” at the HRD Graduate Programmes Unit’s 20th Anniversary Conference: Transforming the Profile of Caribbean HRD: Building Global Organisations Locally. Mona Visitors’ Lodge and Conference Centre. 28 May 2015. (12 slides).
- **Branche, C.** and **Thomas, O.** (2015). “The Metaphorical Underpinnings of Transformational Interactions in Caribbean Organisations”. The Mona School of Business and Management’s Inaugural Business and Management Conference titled Breaking the Barriers: Enterprise, Competitiveness, Growth and Development. Holiday Inn Sunspree Resorts, January 8, 2015 (18 slides).

- **Daley, C.** (2015). “Exploring the Attitudes of Jamaican Students towards School and Academic Achievement”. Caribbean Studies Association 40th Annual Conference, May 25–29, 2015, New Orleans, Louisiana, USA. (29 pages).
- **Ffrench, S.** (2015). “Unlocking the potential of Micro and Small Enterprises (MSE) in Jamaica by facilitating access to non-credit Business Development Services (BDS).” 16th Annual SALISES Conference – Celebrated as the W Arthur Lewis Centennial: Towards Caribbean Prosperity & Happiness in an Equitable & Sustainable World. Rodney Bay/Castries, St. Lucia. January 14–16, 2015. (21 pages).
- **Gayle, H.** “The Superior Female Brain”. Women Empowerment Workshop, Eden Gardens, Kingston. January 24, 2015.
- **Gayle, H.** “Neurobiological Differences between Boys and Girls and Implications for Learning.” Alvernia Preparatory School. Kingston. August 26, 2014.
- **Ryan, L. H., Govia, I. O., Antonucci, T. C., Jackson, J. S.** (2015, May). Patterns of Intergenerational Family Education: Implications for Health and Well-being. Association for Psychological Science 27th Annual Convention, New York, NY. (PowerPoint Presentation. 18 Slides. No Paper).
- **Govia, I. O.** (2015, February). Organizing for Dementia Awareness, Advocacy, Care, Support, and Policy in the Caribbean: Lessons from Regional Civil Society Organizations. Presentation at the Alzheimer’s Disease International’s Regional non-Latin Caribbean Conference on Alzheimer’s and other Dementias. Curacao. (Verbal Presentation. No Paper).
- **Hutton, Disraeli M.** (2015). “Leadership Models for Effective School Leadership” at the HRD Graduate Programmes Unit’s 20th Anniversary Conference: Transforming the Profile of Caribbean HRD: Building Global Organisations Locally. Mona Visitors’ Lodge and Conference Centre. 29 May 2015. (23 slides).
- **Johnson, R. A.** (2014). “Effectiveness of Mental Emotional Release

Therapy (MER) in Reducing Anger and Sadness in At Risk Adolescents.” Caribbean Child Research Conference. Jamaica Conference Centre, November 5–6, 2014.

- **Johnson, R. A.** (2014). “Effectiveness of Mental Emotional Release Therapy (MER) in Reducing Aggression in At Risk Students.” Ministry of Health National Health Research Conference. Jamaica Conference Centre, November 27–28, 2014.
- **Johnson, R. A.** (2015). “Depression: A Clinical Perspective.” Paper presented at Conference: Depression: Causes, Effect and Remedies, Jamaica Conference Centre, May 30, 2015.
- **Burke, T., Lipps, G., Lowe, G. A. & Maitland, S.** (2015). “Assessing Measurement Invariance In Cross-National Parenting Research: Implications For Understanding Mother-Child Relations Across Cultures.” Poster presented at the 14th European Congress of Psychology, Milan, Italy, July 10, 2015.
- **Burke, T., Myer, B., Trommsdorff, G. & Lipps, G.** (2015). “The influence of parenting on the quality of mother-adolescent relationships in Jamaican families.” Poster presented at the International Convention for Psychological Science, Amsterdam, The Netherlands, March 14, 2015.
- **Lipps, G., Burke, T., & Lowe, G. A.** (2015). “Adolescents’ Perception Of Parenting: Establishing Measurement Invariance of The Parenting Practices Scale Across The Caribbean.” Poster presented at the International Convention for Psychological Science, Amsterdam, The Netherlands, March 13, 2015.
- **Chin, M., Edwards, D., & Lipps, G.** (2014). “The Association of Fathers’ Parenting Style to Academic Achievement Among Low Performing Students.” Oral presentation made at the 9th Caribbean Child Research Conference, Kingston, Jamaica, November 5, 2014.
- **Burke, T., Myer, B., Trommsdorff, G. & Lipps, G.** (2014). “Mothers’ Parenting Practices & Jamaican Adolescents’ Perceptions of the Quality of the Parent-Child Relationship.” Oral presentation made at the 9th Caribbean Child Research Conference, Kingston, Jamaica, November 5, 2014.

- Prescott, P., & **Lipps, G.** (2014). “Discrepancies between actual selves and caregiver ideal standard: Explaining parental nurturance link to depressive symptoms.” Oral presentation made at the 9th Caribbean Child Research Conference, Kingston, Jamaica, November 5, 2014.
- Edwards, D., Chin, M., & **Lipps, G.** (2014). “The Influence of Fathers’ Autonomy Support on Low Performing Students’ Academic Achievement.” Oral presentation made at the 9th Caribbean Child Research Conference, Kingston, Jamaica, November 5, 2014.
- **Mason, G.E.** (2014). “Examination of Jamaican adolescents’ experiences with abusive behaviours in relationships”. Presented at the Caribbean Regional Conference of Psychology II, Paramaribo, Suriname. November 13, 2014. (24 slides).
- **McLean Cooke, W, & Burns, S. K** (2015). “Mending Fences: Eroding Borders and Boundaries in Social Work Education.” Paper presented at the 40th Annual Caribbean Studies Association Conference in New Orleans, Louisiana, USA (2015) (12 slides).
- **Weller, P. & McLean Cooke, W.** (2015). “Men must feel comfortable to tell the truth. Pre-conference workshop on Working with men.” Presented at the Association of Caribbean Social Work Educators 12th Biennial Conference, St. Georges University, Grenada, July 6, 2015. (15 slides).
- **Priestley, S., Lipps, G., & Anderson, P.** (2015). “Masculinity and Sexual Risk-Taking Among Young Jamaican Males.” Poster presented at the International Convention for Psychological Science, Amsterdam, The Netherlands, March 13, 2015.
- **Ramkissoon, M., McDonald, C., Santokhie, S.** (2015). “Leaders’ perceptions of organisational characteristics: A comparison of a private and public sector organization”. Transforming the Profile of Caribbean HRD: Building Global Organisations Locally, Department of Sociology, Psychology and Social Work, UWI Mona. May 28th, 2015 (5 pages).
- **Ramkissoon, M.** (2015). “Exploring individual defensiveness,

psychological safety and employee learning activities at a university in Jamaica”. Transforming the Profile of Caribbean HRD: Building Global Organisations Locally, Department of Sociology, Psychology and Social Work, UWI Mona. May 28th, 2015 (6 pages).

- **Ricketts, H.** (2015). “Women’s Work and the Quest for Development: Assessing Female Labour Force Participation in Jamaica.” Paper presented at 16th Annual SALISES Conference – Celebrated as the W Arthur Lewis Centennial: Towards Caribbean Prosperity & Happiness in an Equitable & Sustainable World. Rodney Bay/Castries, St. Lucia. January 14–16, 2015. (49 pages).
- **Shillingford, A.** (2015). “Participatory Research: An Effective Field-Based Method for Social Workers”. Workshop presented at the 12th Biennial Conference of Caribbean & International Social Work Educators, July 6–10, 2015. St George’s University, Grenada. (20 slides).
- **Taylor, O.** “Blacking in the Legacy: The Undervalued Contribution of Black Caribbeans to the Sociology of Development”. Centennial Conference on the Life of Sir Arthur Lewis, St Lucia, West Indies, January 16, 2015. (18 slides).
- **Taylor, O.** “Productivity and Worker Protection: Lessons from the Past Decade,” UWI, Mona School of Business and Management Conference, Montego Bay, Jamaica. January 9, 2015. (25 slides).
- **Taylor, O.** “Mario Deane aint Trayvon Martin”, Roundtable. Association of Black Sociologists annual Conference Charlotte, North Carolina: October 23–25, 2014. (10 pages).
- **Thomas, Olivene.** (2015). “Images of Caribbean Society and Models and Metaphors in Caribbean Organisational Analysis” at the HRD Graduate Programmes Unit’s 20th Anniversary Conference: Transforming the Profile of Caribbean HRD: Building Global Organisations Locally. Mona Visitors’ Lodge and Conference Centre, May 28, 2015. (18 slides).
- **Thomas, Olivene.** (2015). “Toward Organisational Renewal and Success for the Twenty-first Century”, University of Technology, 20th Annual School of Business

PUBLICATIONS

Book Chapters

- **Barnett, M.** “Rastafari at the Dawn of the Fifth Epoch.” In *Rastafari in the New Millennium: A Rastafari Reader*. Syracuse, NY: Syracuse University Press, 2014, 1–10.
- **Barnett, M.** “From Wareika Hill to Zimbabwe: Exploring the Role of Rastafari.” In Popularizing Reggae Music.” In *Rastafari in the New Millennium: A Rastafari Reader*. Syracuse, NY: Syracuse University Press, 2014, 270–277.
- **Barnett, M.** and **Onuora, A.** “Rastafari as an Afrocentrically Based Discourse and Spiritual Expression.” In *Rastafari in the New Millennium: A Rastafari Reader*. Syracuse, NY: Syracuse University Press, 2014, 159–174.
- **Beckford, O.** “The Sociology of Football”. In *Perspectives on Caribbean Football*. Ed. By Christopher A.D. Charles. London: Hansib Publication, 2015, 25–46.
- **Chadwick-Parkes, S.** “Integrating human rights into the Jamaican Social Work curriculum”. In *Advancing Human Rights in Social Work Education*. Ed. By K. Libal, S.M. Berthold, R.L. Thomas and L. Healey. Council on Social Work Education Inc., Alexandria, VA, 2014, 165-188.
- **Gordon, D.** “Negotiating Inequality: The Black Middle Classes in Salvador, Brazil.” In *People, Money and Power in the Economic Crisis: Perspectives from the Global South*. Ed. By Keith Hart and John Sharp, Berghahn Press, 2014, 106–128.

Books

- **Taylor, O.** *Broken Promises, Hearts and Pockets: A Century of Betrayal of the Jamaican Working Class*. Arawak Publications, ISBN, 978-976-95579-5-6. 349 pages.

Refereed Journal Articles

- **Anderson, M.** and McLean, N. “‘Straighten up yu argument’: Language as shibboleth of Jamaican masculinity.” *Caribbean Quarterly* 60, 3 (2014): 19–38.
- Lacey, K. K., Sears, K. P., **Govia, I. O.**, Forsythe-Brown, I., Matusko, N., & Jackson, J. S. (2015). The substance use and mental disorders and physical health of Caribbeans at-home compared to those residing in the United States. *International Journal of Environmental Research and Public Health*, 12 (1),710-734. doi:10.3390/ijerph120100710
- **Govia, I. O.** (2014). Caribbean Migrations – The Jamaica Return Migrants Study: Design and rationale. *Wadabagei*, Special Issue in honor of Bryce La Porte, 15 (1-2), 107–114.
- 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.
- Barned, C., & **Lipps, G. E.** “Development and Validation of a Measure of Attitudes toward Fluffy Women.” *The West Indian Medical Journal*, 63(6) (2014): 626–633.
- **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.
- **Taylor, O.** “It’s Culture, Not Genes: Explaining why Jamaican Sprinters are The Fastest Humans on Earth”. *Caribbean Quarterly*. Vol 61(1) (2015): 23–41.

TECHNICAL REPORTS

- Tindigarukayo, J., **Chadwick-Parkes, S.** & Kadir, S. Secondary Analytical Research on Squatting in Jamaica 2014. Report produced for the Squatter Management Unit (SMU), Ministry of Housing and Environment, Kingston, Jamaica. 2014. 124 pages.
- **Gayle, H.** Males and the UWI (Volume II). Males and Tertiary Education Project. Office of the Principal, The University of the West Indies, Mona Campus. July 2015.
- **Gayle, H.** Males and Tertiary Education in Jamaica (Volume I). Office of the Principal, The University of the West Indies, Mona Campus. January 2015.

INCOME GENERATION

Research Grants

- **Beckford, Orville** (2015). Principal's New Initiative Grant (J\$1.5M): "The Socio-Cultural and Economic Impact of Highway 2000 Bypassing Communities."
- **Brodie-Walker, Stacey** (2015). Principal's New Initiative Grant (J\$1,386,000.M): "Factors that Impact School Engagement/ Disengagement." This is an initiative being undertaken by the Psychology Unit.
- **Ramkissoon, Marina** (2015) Principal's New Initiative Grant (J\$1.5M): "Caribbean Journal of Psychology Enhancement (CJP) Project."

INCOME AND EXPENDITURE FOR SUMMER AND OTHER SELF-FINANCING PROGRAMMES

The Department offers four (4) Self-Financing Programmes: MSc Human Resource Development (HRD) and PhD HRD/Organisational Behaviour, MSc Clinical Psychology and MSc Applied Psychology. The following

is a breakdown of the gross income associated with these programmes over the year 2014/15:

- Applied Psychology – \$20,955,249
- Clinical Psychology – \$11,691,678
- MSc HRD/PhD OB – \$34,000,000

Regarding Summer School, gross income stood at \$10,653,580.

PUBLIC SERVICE

Anderson, Moji

- Served on the Olive Lewin Memorial Fellowship Selection Committee (2015). Selected by the African-Caribbean Institute of Jamaica to form part of a four-person panel to select the inaugural recipient of the Fellowship.

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 Annual Workshop.
- 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, 2015-2017.

- Chair, Editorial Board, *Caribbean Journal of Social Work*, 2015 – 2017.

Barnett, Michael

- Elected Executive Officer, Caribbean Studies Association.

Branche, Clement

- Board Member: Jamaica Constabulary Force National Police College of Jamaica) (NPC) Training Advisory Board.

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.

Chadwick-Parkes, S

- UWI Representative and Member, Council of Voluntary Social Services/United Way of Jamaica/University of the West Indies Planning & Research Committee.
- Member, European Social Work Research Association.

Daley, Camille

- President – Sickle Cell Support Foundation of Jamaica.

Gordon, Doreen

- Regional Consultation on Latin American and Caribbean on the Post-2015 Development Agenda, 21–23 April, 2015.
- Consultant Anthropologist, Ministry of Health Chikungunya Working Group.

James, Caryl

- Associate Editor, *Journal of Psychology in Africa*.

Johnson, Rose

- Needs Assessor, South Camp Juvenile Correctional and Remand Centre and Metcalfe Street Juvenile Centre, Ministry of Justice (March 2015).
- Developer, Workplace Mental Health Policy for Jamaica, Ministry of Health.

Latibeaudiere, Sandra

- Worked on the submission to the Joint Select Committee reviewing the Sexual Offences Act 2009, September 2014.

McFarlane, Tracy

- Consultant/Assessor, University Council of Jamaica.

Mitchell, Rashalee

- Member of the International Sociological Association.
- Board member, Rotary Club of Portmore.

Ramkissoon, Marina

- Chair, Human Factors Working Group, Technology, Innovation and Productivity Sub-committee, Labour Market Reform Commission, Ministry of Labour and Social Security, Jamaica.

Rattray-Elliott

- Member, Professional Advisory Committee, United Theological College of the West Indies.

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 Police College of Jamaica.
- Board Member, National Reparations Committee.

STUDENTS

- Two students (Claudette White and Hopelin Hines) in the PhD Organisational Behaviour programme of the Human Resource Development Unit, successfully defended their theses in March and July, 2015.
- In the 2014/15 Faculty Graduate Awards Ceremony, the following awards were presented:
 - o The John Maxwell Prize – Mrs. Petrice Manner (Academic Excellence in the Master of Social Work (MSW) Programme; MSW with Distinction).
 - o The HRD Alumni Association Prize – Ms. Chera-Lee Collins (for having achieved the highest average score on completion of the Year I of the MSc. Human Resource Development programme for Academic Year 2013/2014).
 - o The Gordon Draper Prize in Human Resource Development - Mr. Garfield Campbell (for having achieved the highest aggregate in the organisation development and change sequence of courses offered in the MSc. Human Resource Development programme).
 - o The HRD Prize for Leadership – Messrs. Kadeem Gray, Sheldon Watson and Carvell McLeary.

The HRD Awards for Consultancy:

- Staffing Organisations – Mrs. Kathryn Kerr-Pringle
- Performance Management – Mr. Andre Palmer
- Organisational Research – Mrs. Victoria Maylor-Brown
- Ms. Kamier Johnson was recognised for her completion of the MSc Sociology (Social Anthropology), with Distinction.

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 2014/2015 was another busy one for Mona School of Business and Management. An important part of our vision is the provision of high impact research which leads to an exceptional teaching and learning experience. Our research continues to differentiate MSBM from other institutions that offer business and management education in the marketplace. The school achieved a significant number of objectives over the period including, but not limited to: infrastructure upgrades for class rooms, construction of a finance lab using Bloomberg technology, hosting of two successful academic conference. In addition, a number of Faculty members won awards at the UWI Principal Research Awards for 2015 among other things. This report provides a snapshot of the faculty's output over the academic year 2014/2015, as well as various achievements of our students and staff within the school. These significant accomplishments of the

school over the period under review have set the foundation for an even stronger performance in the years ahead.

PAPERS PRESENTED – REFEREED CONFERENCES

Abstracts and Papers Presented at Refereed Conferences

Abstracts

- **Burke, O.** (2015). Systems thinking and the usefulness of its assumptions in managing the UWI MONA source. Presented at the MSBM Business & Management Conference, at the Holiday Inn SunSpree Resort Jamaica, Montego Bay, January 7–9, 2015.
- **Chevers, D.** (2014). ICT adoption and its impact on the performance of Jamaican hotels: A proposed research model. Presented at the MSBM's 3rd International Tourism Conference, Iberostar Rose Hall Beach, Montego Bay. November 9–11, 2014.
- **Chevers, D.** (2015). The adoption of software process improvement programs in Canada and the English-speaking Caribbean: A comparative analysis. Presented at the MSBM Business & Management Conference, at the Holiday Inn SunSpree Resort Jamaica, Montego Bay, January 7–9, 2015.
- **Cowell, N.** (2015). The challenge of business education in the 21st century: An experiment in peer teaching, Mona School of Business and Management, UWI, Jamaica. Presented at the MSBM Business & Management Conference, at the Holiday Inn SunSpree Resort Jamaica, Montego Bay, January 7–9, 2015
- **Crick, A.** (2014). The devil in the details: Microbusiness mindsets in Falmouth, Jamaica. Paper presented at the MSBM's 3rd International Tourism Conference, Iberostar Rose Hall Beach, Montego Bay. November 9–11, 2014.
- **Crick, A. & Cowell, N.** (2014). Employee resistance and the service experience: A management perspective on the disconnect between

- employee behaviours and organizational interest. Presented at the MSBM's 3rd International Tourism Conference, Iberostar Rose Hall Beach, Montego Bay, November 9–11, 2014.
- **Crick, A.** (2015). Complaining behaviour in Jamaican millennials. Presented at the MSBM Business & Management Conference, at the Holiday Inn SunSpree Resort Jamaica, Montego Bay, January 7–9, 2015.
 - **Dunn, L. & Brown, A.** (2015). Women at the music margin: Investigating gender-related impediments to success in Jamaica music industry. Presented at the MSBM Business & Management Conference, at the Holiday Inn SunSpree Resort Jamaica, Montego Bay, January 7–9, 2015.
 - **Henry, P.** (2015). Perception of students and employers of teamwork in the workplace. Presented at the MSBM Business & Management Conference, at the Holiday Inn SunSpree Resort Jamaica, Montego Bay, January 7–9, 2015.
 - **Knife, K., Edwards-Kerr, D. & Dixon, E.** (2015). Entrepreneurship and experiential learning – A pedagogical approach: The case of the Office of Entrepreneurship. Presented at the MSBM Business & Management Conference, at the Holiday Inn SunSpree Resort Jamaica, Montego Bay, January 7–9, 2015.
 - **Lawrence, W.** (2014). Financing hotel turnaround: Evidence from Jamaica Pegasus. Presented at the MSBM's 3rd International Tourism Conference at Iberostar Hotel, Montego Bay, Jamaica, November 9–11, 2014.
 - **Logan, T., Scott, C. & Huntley-Lewis, E.** (2014). The impact of the international sporting events on international arrivals: Melbourne, Australia and Jamaica. Paper presented at the MSBM's 3rd International Tourism Conference, Iberostar Rose Hall Beach, Montego Bay, November 9–11, 2014.
 - **Alexander-Smith, D. & Logan T.** (2015). Post stock repurchase performance of firms and the use of treasury stock: Agency theory,

signaling theory or the exercise of management stock options. Presented at the MSBM Business & Management Conference, at the Holiday Inn SunSpree Resort Jamaica, Montego Bay, January 7–9, 2015.

- **McLeod, M.** (2015). A service management research framework. Presented at the MSBM Business & Management Conference, at the Holiday Inn SunSpree Resort Jamaica, Montego Bay, January 7–9, 2015.
- **McNaughton, M. & Minto-Coy, I.** (2015). Legal and regulatory barriers to entrepreneurship and innovation: The case of mobile banking. Presented at the MSBM Business & Management Conference, at the Holiday Inn SunSpree Resort Jamaica, Montego Bay, January 7–9, 2015.
- **McNaughton, M.** (2014). Open data and community tourism – A strategy for empowering local communities. Paper presented at MSBM’s 3rd International Tourism Conference, Iberostar Rose Hall Beach, Montego Bay, November 9–11, 2014.
- **Nicholson L. & Rao, L.** (2015). Knowledge management systems for family-owned business in developing countries: The case of the Caribbean. Presented at the MSBM Business & Management Conference, at the Holiday Inn SunSpree Resort Jamaica, Montego Bay, January 7–9, 2015.
- **Robertson-Hickling, H. & Levy-McMillan, V.** (2015). The impact of national culture on teamwork: The case of Jamaica. Presented at the MSBM Business & Management Conference, at the Holiday Inn SunSpree Resort Jamaica, Montego Bay, January 7–9, 2015.
- **Roofe, M. & Stone Roofe, A.** (2015). Two hundred million versus fifteen million– Size, business culture and possibilities for Caribbean SME's in the Southern Hemisphere – CARICOM/Brazil relations. Presented at the MSBM Business & Management Conference, at the Holiday Inn SunSpree Resort Jamaica, Montego Bay, January 7–9, 2015.

- **Smith, T & Haughton, S.** (2014). Segmenting Jamaica's small hotel market for better targeting. Paper presented at MSBM's 3rd International Tourism Conference, Iberostar Rose Hall Beach, Montego Bay, November 9–11, 2014.
- **Smith, T.** (2015). Predicting performance in quantitative research at the University of the West Indies: A case of self-assessed competencies vs. actual grades. Presented at the MSBM Business & Management Conference, at the Holiday Inn SunSpree Resort Jamaica, Montego Bay, January 7–9, 2015.
- **Thomas-Stone, J.** (2015). The effect of distance learning versus conventional delivery on student's academic performance in Jamaica: The case of the UWI. Presented at the MSBM Business & Management Conference, at the Holiday Inn SunSpree Resort Jamaica, Montego Bay, January 7–9, 2015.
- **Williams, D. A.** (2015). Country conditions and their impact on FDI flows: Evidence from SIDS. Presented at the MSBM Business & Management Conference, at the Holiday Inn SunSpree Resort Jamaica, Montego Bay, January 7–9, 2015.
- **Williams, M. & Gordon, S.** (2015). A test of reliability of interim reports published on the Jamaica Stock Exchange. Presented at the MSBM Business & Management Conference, at the Holiday Inn SunSpree Resort Jamaica, Montego Bay, January 7–9, 2015.

Papers

- **Crick, A.** (2014). Where the model fails: An analysis of a food tour start up in Jamaica, at the CHRIE conference in San Diego, California from July 30–August 1, 2014.
- **Donalds, C. & Osei-Bryson, Kweku-Muata** (2014). A cyber-crime taxonomy: Case of the Jamaican jurisdiction. Proceedings at the International Conference on Information Resources Management (Conf-IRM) in Ho Chi Minh City, Vietnam on May 21–23, 2014, Paper 25P.

- **Donalds, C.** (2015). Cybersecurity policy compliance: An empirical study of Jamaican government agencies, presented at the European Conference on Information Systems (ECIS) SigGlobDev track, May 26–29, 2015, Munster Germany.
- **Gordon, S., Anderson, R. & Mansingh, G.** (2014). An assessment of the potential impacts of knowledge-based data-driven decision support in social welfare. IEEE Global Humanitarian Technology Conference, Holiday Inn San Jose – Airport, San Jose, California, October 10–13, 2014.
- **Lawrence, W.** (2014). Developing dynamic capabilities for bank turnaround. Presented at the Annual Shanghai Business, Economics and Finance Conference, Shanghai University of International Business and Economics, China, November 3–4, 2014.
- **McLeod, M. & McNaughton, M.** (2015). A methodological approach for understanding an emergent Caribbean open data eco-system, presented at the 3rd Open Data Research Symposium, held at the Shaw Centre, Ottawa, Canada on May 27, 2015.
- **Minto-Coy, I.** (2014). The diaspora and development nexus: A critical analysis of the Caribbean experience. Paper presented at the 2014 Metropolis Conference on Migration in Milan, November 3–7, 2014.
- **Williams, D. A.** (2014). Resources and business failure: Does size matter. Allied Academies International Fall Conference (AAIFC), Quad Resort and Casino Hotel in Las Vegas, Nevada, USA, October 14–17, 2014.
- **Williams, D. A.** (2015). Can small firms compete against multinationals? Lessons from the Caribbean, at the Washington Business Research Forum (WBRF), Cambria Suites Hotel, Washington DC, USA, March 11–15, 2015.
- **Williams, D. A.** (2015). Predictors of business failure among high technology firms: A neural networks analysis, presented at the 60th Annual International Council of Small Business (ICSB) World

Conference, hosted by the United Arab Emirates University at the Dubai World Trade Centre, Dubai, June 6–9, 2015.

PUBLICATIONS

Refereed Journals

- **Smith, T. A. & Lawrence, W.W.** (2015). Towards a better understanding of strategic planning in service versus manufacturing firms. *International Journal of Management and Decision-making*. 14 (2), 81–96.
- **Williams, D.A** (2015). Entrepreneurial training and business discontinuation: A cross country study. *Journal of Business and Entrepreneurship*, 26, 3 pp. 79–102.
- **Williams, D.A.** (2015). Resources and Business Failure in SMEs: Does Size Matter? *Journal of Business and Management*. 20, 2, pp 89–103

Refereed Books

- **Barclay, L. A.** (2015). *Managing FDI for development in resource-rich states: The Caribbean experience*. United Kingdom: Palgrave Macmillan. ISBN-13: 978-1137516084; ISBN-10: 1137516089.
- **Lawrence, W.** (2014). *Business renewal and performance in Jamaica, Kingston*, The University of the West Indies Press, ISBN 978-976-640-498-7.
- **McLeod, M.T. and Vaughan, R.** (2015). *Knowledge networks and tourism*. Oxon: Routledge. Edited by Michelle T. McLeod and Vaughn, R., 192 pages. Series: Routledge Advances in Tourism.
- **Minto-Coy, I. D., and Berman E.M.** (Eds.). (2015) *Public administration and policy in the Caribbean: An overview of the Caribbean*. Boca Raton, Florida, CRC Press, Print ISBN: 978-1-4398-9294-7.

- **Williams, D.A** (2015). *Competing against multi-nationals from emerging markets: Case studies of SMEs in the manufacturing sector*. United Kingdom: Palgrave McMillian. pp 1–150.

Refereed Book Chapters

- **Burke, O., Weekes, T. & Costen, W.** (2015). “The relationship between football and culture in greater August Town”, in Christopher Charles (Ed.), *Perspectives on Caribbean football*, UK.
- **Crick, A.** (2014). “Food and beverage”, in *Contemporary Caribbean Tourism: Concepts and Cases* ed. Sherma Roberts, Mechelle Best and Acolla Cameron. Launched at the MSBM’s 3rd International Tourism Conference, Iberostar Rose Hall Beach, Montego Bay, November 9–11, 2014.
- **Dunn H., Williams, R. and Johnson Brown, S.** (2014). Promoting media literacy in Jamaican Schools: Broadcasting regulator embracing a new role, in Culver, Sherri Hope and Kerr, Paulette - *Global Citizenship in a Digital World*, UNESCO and ICCUM Nordicom, Goteborg, pp 229–243.
- **Robertson-Hickling, H.** (2015). Putting Jamaica on the world map: Lessons from the 1998 Reggae Boyz Team, in Christopher Charles (Ed.), *Perspectives on Caribbean football*, UK, Launched on Monday February 9, 2015.

Non-Refereed Publications

- **Crick, A.** (2014). Generational differences in the workplace: Blight or blessing. HRMAJ Post August issue.
- **McNaughton, M.** (2015). Prepared blog article for the International Open Data Conference (IODC): Making sense of US\$3 trillion – Estimating the value of open data for small developing countries.
- **McNaughton, M.** (2014). Open government data: A catalyst for Jamaica’s growth and innovation agenda – Estimating the potential

value of open data to the Jamaican economy. Paper and policy brief completed for a DBJ/CAPRI-funded Research study.

- **McNaughton, M.** (2014). Research paper and policy brief for a DBJ/CAPRI-funded study: Estimating the potential value of open data to the Jamaican economy.
- **McNaughton, M.** (2014). Concept paper for Mona Campus Initiative: Establish Business intelligence capability for communicating, evaluating and guiding performance and continuous process improvement.
- **McNaughton, M.** (2014). Open government data: A catalyst for Jamaica's growth and innovation agenda – estimating the potential value of open data to the Jamaican economy. Paper and policy brief completed for a DBJ/CAPRI-funded Research study.
- **Robertson-Hickling, H.** (2014). The Baker's son, my life in business. Book review in *Jamaica Journal* Vol. 35. Nos. 1–2.
- **Williams, D.A.** (2014). Competing in a logistics centred economy: Insights for improved firm performance. *Fair Trading Commission Annual Magazine*. Issue 19. pp.1–4
- **Williams, D.A.** (2014). Dilemma of difference. *Caribbean Export Outlook Magazine*. Vol 1. pp. 1–3.

Non-Refereed Presentations

- **Barclay, L.A.** (2015). Part of a panel presentation on W. Arthur Lewis, relevant as ever in his Centenary Year: Illustrations from Caribbean research. A jointly hosted event by The UWI Museum & The Sir Arthur Lewis Institute of Social & Economic Studies (SALISES) held at The UWI Regional Headquarters Lobby, April 1, 2015.
- **Burke, O.** (2015). Mounted displays entitled: (1) Women and the nutritional status of their children (Kitchen Garden Project); (2) Community tourism: Bringing light to culture in inner-city communities; (3) Community innovation centre: The impact of developing an

incubator for community social enterprise; and (4) ICT for community developing: The Source Center – mounted during the Mona Social Services (MSS) UWI Township Reasonings Sessions held at The UWI Research Days, February 9–11, 2015.

- **Burke, O.** (2015). Facilitated a Reasoning Session hosted by MSS UWI Township entitled Visioning the Mona valley: Expectation and partnerships, at The UWI Research Days, February 9–11, 2015.
- **Burke, O., Bailey, A., Weekes, T. & James, M.** (2015). Mounted display entitled: University-community engagement and the role of ICT for development initiatives – featured with The FSS posters under the theme “ICT Innovations”, at The UWI Research Days, February 9–11, 2015.
- **Chevers, D.** (2015). Presented on Teaching, research and Research Day activities, at UWI’s Entrepreneurship Panel Discussion at the Undercroft on January 29, 2015.
- **Chevers, D.** (2015). Mounted displays entitled: (1) Key factors of process maturity in English-speaking Caribbean firms; (2) The impact of CMMI levels 2 and 3 practices on process maturity in Canadian software development firms; (3) ICT adoption and its impact on the performance of Jamaican hotels: A proposed research model; and (4) The impact of information technology material weakness on corporate governance changes in family-owned businesses, at The UWI Research Days, February 9–11, 2015.
- **Cowell, N.** (2014). The (Caribbean) journey to world-class HR - An executive exchange. Presentation at the 34th Annual Conference of the Human Resource Management Association of Jamaica (HRMAJ), Knutsford Court Hotel, November 19, 2014.
- **Cowell, N.** (2015). High performance work systems. Presented at the MSBM Business & Management Conference, at the Holiday Inn SunSpree Resort Jamaica, Montego Bay, January 7–9, 2015.
- **Crick, A.** (2015) Guest Presentation on Developing a culture of service to the Doctor of Public Health (DrPH) students at the

Department of Community Health and Psychiatry on January 27, 2015.

- **Dunn, H.** (2014). Media and the electoral process. Regional Commonwealth workshop on “Strengthening electoral democracy in the commonwealth Caribbean & Americas” focused on Junior Election Professionals (JEP) in the Caribbean & Americas, Pegasus Hotel, September 29, 2014.
- **Henlin, J.** (2015). Presented on Outreach through advocacy: MSBM’s impact at the MSBM’s Private Sector Forum held at The UWI Research Days, February 9–11, 2015.
- **K’nife, K.** (2014). Rethinking development from the ‘ground’ up. Presentation at the 16th Annual Walter Rodney Lecture hosted by the Institute of Caribbean Studies and the Department of Economics, Neville Hall Lecture Theatre, UWI, on October 9, 2014.
- **K’nife, K.** (2014). Redefining Jamaica’s service culture during economic recovery. The Annual Conference of the Jamaica Customer Service Association (JaCSA), Jamaica Pegasus Hotel, October 9, 2014.
- **K’nife, K.** (2015). Presentations entitled (1) Marijuana and the economy, and (2) Social value creation industry framework of the ganja industry, at the Marley Symposium 2015 on The legacy continues, held at the Bob Marley Museum on February 6, 2015.
- **K’nife, K.** (2015). Presented on Measuring the social rate of return on investment: Foundations, endowments and CSR strategies, at the MSBM’s Private Sector Forum held at The UWI Research Days, February 9–11, 2015.
- **K’nife, K.** (2015). Presentation entitled Empowerment of the black youth: Where we are coming from and where we are going, at a Black History Month Presentation to the students at the Abilities Foundation, at The UWI, Mona Campus on February 13, 2015.
- **Lawrence, W.** (2015). Dynamic capabilities for international expansion. Presented at the MSBM Business & Management Conference, at the

Holiday Inn SunSpree Resort Jamaica, Montego Bay, January 7-9, 2015

- **Logan, T.** (2015). Profit models for financial institutions in the Caribbean. Presented at the MSBM Business & Management Conference, at the Holiday Inn SunSpree Resort Jamaica, Montego Bay, January 7–9, 2015
- **McLeod, M.** (2015). Presented on Caribbean open data sector studies – Early insights at the Caribbean Open Data Conference (DevCA 2015), held at The UWI, Mona Campus from March 5–6, 2015.
- **McNaughton, M.** (2014). (1) The status of open data in the Caribbean, and (2) The innovation hack project, at the CTA-sponsored AgriHack Talent Caribbean at Caribbean Week of Agriculture Showcase, Paramaribo, Suriname, October 4–10, 2014.
- **McNaughton, M.** (2014). Presented research findings from DBJ/CAPRI-funded study: Estimating the potential value of open data to the Jamaican economy, at CaPRI’s public forum and launch on “Open government data: A catalyst for Jamaica’s growth and innovation agenda” at the Library Multifunctional Room, UWI Mona on November 5, 2014.
- **McNaughton, M.** (2014). Staged GOJ/FOSS Showcase and presented findings from research on Public sector FOSS adoption: A global perspective. Collaboration between MSTEM and the MSBM to present the Free and Open Source Software (FOSS) Showcase on November 5, 2014, in the Executive Seminar Room of the Faculty of Law Building, UWI, Mona.
- **McNaughton, M.** (2015). Enterprise architecture for agile business intelligence. Presented at the MSBM Business & Management Conference, at the Holiday Inn SunSpree Resort Jamaica, Montego Bay, January 7–9, 2015
- **Rao, L.** (2015). Business models and business intelligence for corporate transformation. Presented at the MSBM Business &

Management Conference, at the Holiday Inn SunSpree Resort Jamaica, Montego Bay, January 7–9, 2015.

- Mansingh, G. & Rao, L. (2015). Customer analytics & data-driven transformation. Presented at the MSBM Business & Management Conference, at the Holiday Inn SunSpree Resort Jamaica, Montego Bay, January 7–9, 2015.
- **Smith, T.** (2015). Superior customer value proposition. Presented at the MSBM Business & Management Conference, at the Holiday Inn SunSpree Resort Jamaica, Montego Bay, January 7–9, 2015

AWARDS & GRANTS

- **Professor Hopeton Dunn**, Director of the Caribbean Institute of Media & Communications (CARIMAC), was one of three persons named as recipients of the 2014 Vice-Chancellor’s Award for Excellence. He was recognized for his outstanding contribution to public service.
- **Ms. Stasia Gordon** is the Club of the Month Director for the Rotary Club of Montego Bay Sunrise.
- The UWI-NCB Sponsored Research Project (administered by the MSBM and led by **Professor Evan Duggan, Drs William Lawrence and Maurice McNaughton**), won the Principal’s Award for “Research project attracting the most research funds for the Faculty of Social Science”.
- **Dr. Lila-Rao Graham** was a member of the team that was awarded the “Principal’s Award for Research Project with the Greatest Multidisciplinary/Cross Faculty Collaboration.”
- **Prof Densil Williams** received the award for “The Most Outstanding Researcher” in the Faculty of Social Sciences.
- **Mr Michael Williams** received a Distinguished Service Award from the Kiwanis Club of Liguanea for 2013–2014 administration.
- **Lila Rao-Graham & Maurice McNaughton** – A 2-year project titled

“Collaborative disaster preparedness through shared ontologies: A design science research approach”, was accepted by the Open and Collaborative Science in Development Network (OCSDNET) and funding of CAD\$67,513.57 was approved on January 13, 2015.

PUBLIC SERVICE

The following is indicative of the public service activities undertaken by MSBM faculty and staff:

Mr Maheshwar Boodraj

- President and Chairman, Project Management Institute (PMI), Jamaica Chapter

Dr Lou Anne Barclay

- Member, Strategy Review Committee of the Ministry of Industry, Investment and Commerce
- Member, Executive Board of the Academy of International Business (AIB-LAT)

Dr Olivene Burke

- Member, Hermitage Basic School Board

Mrs Marvalyn Campbell

- General Secretary & Technical Director of the Jamaica Amateur Softball Association
- Member, St. Andrew Justice of the Peace Association (SAJP)
- Served as Assistant Puisne Judge in one (1) session at the Half Way Tree Court House

Dr Noel Cowell

- Member, Board of Directors of the National Insurance Fund.
- Appointed by the Government of Jamaica to the Labour Market Reform Commission

Dr Anne Crick

- Member, Board of Directors, JMMB
- Chair, JMMB Culture and Leadership Development Committee

Ms Stascia Gordon

- Director, Rotary Club of Montego Bay Sunrise
- Member, Western Economic Forum Committee

Dr Paulette Henry

- Co-opted member, Policy & Communications Committee, Board of the National Housing Trust

Dr Kadamawe K'nife

- Member of the Judging Panel for the Rita Marley Foundation Essay Competition – July 2014
- Co-hosts a programme on Power 106FM called “Diaspora Live Online”

Dr William Lawrence

- Invited and accepted invitation to sit on joint Jamaica Stock Exchange (JSE)/Inter-American Development Bank (IDB) Junior Market Steering Committee for increasing the number of publicly-traded SME's in Jamaica

Mrs Vanda Levy-McMillan

- Member, Accreditation Team for Post-Graduate Diploma in HRM at the Management Institute for National Development (MIND).

Mrs Patricia Lothian

- Member, Board of Directors Foundation for International Self-Help (F.I.S.H.) Clinic.

Dr Michele McLeod

- Appointed by the University Council of Jamaica as an Assessor of the BSc. Hospitality and Tourism programme at the Northern Caribbean University

Dr Maurice McNaughton

- Chaired Outreach and PR Working Group meeting for GOJ Tablets in Schools Project
- Member, Peer Review Network – Enhancing Knowledge and Application of Comprehensive Disaster Management (EKACDM) Initiative
- Member, GOJ Counterpart Team – World Bank Open Data Readiness Assessment Mission
- Member (the UWI's Representative), National ICT Advisory Council
- Member, VMBS Board of Directors

Dr Indianna Minto-Coy:

- Judge, Jamaica Diaspora Institute's Diaspora Youth Connect Inaugural Business Plan Competition, October 23, 2014
- Member, Evaluation Committee of the Disaster Risk Reduction Unit
- Assisted in drafting the Jamaica Diaspora Policy
- Member, JSE Corporate Governance Awards Committee at the JSE

Dr Lawrence Nicholson

- Member and Chairman, Television of Jamaica (TVJ) Company Limited

Dr Lila Rao-Graham

- Appointed by Cabinet as a Member of the Ministry of Education's Early Childhood Commission for the period June 1, 2015 – May 31, 2018.
- Track Chair, Americas Conference on Information Systems (AMCIS 2015) Caribbean track.

Dr Hilary Robertson-Hickling

- Member, Board of Camperdown High School and the Queen's School

- Member, Teachers' Services Commission
- Member, Mary Seacole Foundation
- Member, Career and Placement Board
- Member, Behaviour Modification Committee, convened by the Minister of Education
- Justice of the Peace.

Professor Densil Williams

- Selected by the Minister of Finance to be a member of the FSC Appeal Tribunal. The tribunal is to be chaired by Hon. Mdme. Justice Hazel Harrison.
- Member, Economic Policy Committee of the Private Sector Organization of Jamaica.
- Deputy Chairman, Spectrum Management Authority and Chairman of the Audit Committee
- Commissioner, Fair Trading Commission
- Invited member, FGB Board of Directors and member of Credit Committee

Mr Michael Williams

- Member, Board of Directors, Kiwanis Club of Liguanea.
- Member, Audit Committee of the Spectrum Management Authority Board.

STUDENT ACHIEVEMENTS

- Special course and programme awards were presented to 12 MSBM students who attained the highest GPA for their option at the FSS Annual Undergraduate Awards Ceremony to recognize outstanding academic performance for 2013–2014.
- Eighty-one MSBM post graduate students were awarded distinctions at the Post Graduate Awards held on November 26, 2014.

- The 2014 NCB Vision Award went to MSBM students Tamar Binns, Kacey-Ann Nelson and Jodi-Ann Stephenson, who submitted the best business plan for their final year undergraduate entrepreneurial project.
- Two MSBM MBA students (Joan White – current student and Latoya Thompson-Hall – recent graduate), were part of a team of five UWI students who advanced to the regional finals of the 6th annual Hult Prize Challenge held in Boston, Massachusetts, March 13–14, 2015.
- Four DBA students successfully defended their dissertation research proposals and will now move into executing their research design. The candidates are:
 - Tricia-Anne Morris-Phillips on December 10, 2014 – Title: Does event sponsorship impact brand image: An integrated model?
 - Jacqueline Leckie-Johnson on December 10, 2014 – Title: Increasing corporate turnaround efficiency: An empirical investigation.
 - Archibald Campbell on December 16, 2014 – Title: An empirical investigation of the role and impact of public debt on the financial system and its effect on business development and growth in a small open economy.
 - Winsome Halliman, on April 23, 2015 – Title: “Exploring the change patterns and characteristics of SMEs”.
- Two DBA students, successfully defended their doctoral dissertations:
 - Winston Butler – “Business level strategy, operating leverage, and information and communication technologies – alignment influence on firm value: An empirical evaluation of publicly listed firms in Jamaica, 2002–2011”, on March 12, 2015; and
 - Valoris Smith – “Agencification: Voices of the small and medium sized enterprises in the construction industry – Case study” on April 7, 2015.

- MSBM MBA students placed 1st and 2nd in the 2014 Vincent HoSang UWI Venture Challenge competition (UWIVC) held in November 2014. First place was Team Nature's Recipe (Anjule Young, Karen Davis and Percival Cunningham) that won the \$250,000 prize. They also won prizes for: Best Presented Financials and the Joan Duncan Award for Corporate Social Responsibility; and the award for Best Presenter went to their team member Anjule Young. The team that placed second – for a prize of \$150,000 – was Team Rating Jamaica (Latoya Thompson-Hall, David Elliott, Lashana Whyte, Kayan Lawrence, and Sherard Little).

**INSTITUTE AND
RESEARCH
CENTRES**

Mona

Year ending July 31, 2015

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 29 Teachers and 7 Guidance Counsellors in Cultural Therapy: Ministry of Education “Dream-A-World Cultural Resilience Program”: August 2014: Lead Facilitators: Professor Frederick Hickling, Dr. Geoffrey Walcott, Dr. Hilary Robertson-Hickling, Professor Jaswant Guzder, Dr. Deborah Chambers
- Training of 12 Teachers and 16 Guidance Counsellors in Cultural Therapy: Ministry of Education “Dream-A-World Cultural Resilience Program”: March 2015: Lead Facilitators: Professor Frederick Hickling, Dr. Geoffrey Walcott, Dr. Hilary Robertson-Hickling, Dr. Deborah Chambers
- Dream-A-World Cultural Therapy Workshop: McGill University Advanced Institute in Social and Cultural Psychiatry: The Role of Arts in Cultural Psychiatry: May 30–31, 2015: McGill University, Montreal: Workshop Therapy Team: Dr Fredrick W. Hickling and Dr Jaswant Guzder

Funded Service/Research

1. Grand Challenges Canada “Countering youth and urban violence with a community engagement cultural therapy program in Kingston, Jamaica” May 2013–November 2015
2. Ministry of Education “Dream-A-World Cultural Resilience Program” November 2014–August 2015

Presentations Made at Meetings

Professor Hickling and Dr Walcott

- Association of Consultant Physicians of Jamaica President's Dinner: September 13, 2014. Guest Speaker: Frederick W. Hickling:
- Shortwood Teachers' College: 24th Annual Normal Darlington Founders' Day Lecture: Mental Illness in schools in Jamaica, September 25, 2014. Keynote speaker: Frederick W. Hickling
- Rotary Club of Kingston: Dream-A-World Cultural Therapy, September 30, 2014. Guest Speaker: Geoffrey Walcott
- Jamaica Psychiatric Association Annual Christmas Dinner: Dream-A-World Cultural Therapy Transition To Scale, December 2014. Guest Speaker: Geoffrey Walcott
- The Pacific Rim College of Psychiatrists Scientific Meeting - PRCP November 2014 Conference. Research Paper: Scale up of Dream a World Child Project for Promotion of Resilience in Garrison Communities of Inner City Kingston, Jamaica. Vancouver, BC Presenter Frederick W Hickling
- Jamaica Psychiatric Association Annual Christmas Dinner: Dream-A-World Cultural Therapy Transition To Scale, December 2014. Guest Speaker: Geoffrey Walcott
- McGill Global Mental Health Conference May 31, 2015 – Turning Colonial Psychiatry Inside-Out. Keynote speaker Frederick W Hickling,
- Advanced Study Institute Transcultural Psychiatry Conference McGill University – June 1, 2015 : The Arts in Cultural Psychiatry
 - a) Dream-A-World Cultural Therapy – Using Creativity as the Vehicle for Postcolonial Social Reengineering/Healing in Jamaica: Presenter: Frederick W. Hickling
 - b) The Eastern Jamaica Dream-A-World Cultural Resiliency 'Transition to Scale': Presenter Frederick W. Hickling (Presentation

of DAW team : Dr Hilary Robertson Hickling, Dr Fred Hickling, Dr Geoffrey Walcott, Dr Jaswant Guzder)

- Grand Challenges Canada Conference Solving the Grand Challenges in Global Mental Health Partnering for Impact at Scale Toronto Canada June 4, 2015. Poster: “Countering youth and urban violence with a community engagement cultural therapy program in Kingston, Jamaica” Presenter Frederick W. Hickling
- Inter American Development Bank July 15, 2015. Building Resilience in Jamaican Children Guest Speaker: Frederick W. Hickling

Professor Jaswant Guzder – International Collaborator

- 64th Annual Meeting of Canadian Academy of Child and Adolescent Psychiatry. Toronto, Ontario: Symposium on Global Health Paper: Scale up of Dream a World Project: Resilience Promotion Grand Challenges High Risk Child Research in Jamaica, September 17, 2014. Presenter
- The Pacific Rim College of Psychiatrists Scientific Meeting – PRCP 2014 Conference. Research Paper: Scale up of Dream a World Child Project for Promotion of Resilience in Garrison Communities of Inner City Kingston, Jamaica. Vancouver, BC. October 5, 2014. Presenter
- Montreal World Health Organization Meeting 2015: “Dream A World Project: Implication of UWI-McGill Grand Challenges Research on High Risk Children in Jamaica”. Montreal, QC. March 22, 2015. Invited Speaker
- 2015 Inaugural Turkish-Australian Mental Health Conference Living in the Age of Global Trauma, “Commemorating the Çanakkale/Anzac Centenary” Dream A World: University of the West Indies–McGill Collaboration to develop a multimodal intervention for high risk children in Jamaica. Istanbul Turkey. April 13, 2015. Presenter
- McGill University Advanced Institute in Social and Cultural Psychiatry: The Role of the Arts in Cultural Psychiatry: Identity, Creativity and

Transformation: The Kingston Seaview Dream-A-World Cultural Therapy ‘Scale Up’: Methods and Outcome June 1 2015: Presenter Dr Jaswant Guzder (Presentation of DAW team: Dr Geoffrey Walcott, Dr Fred Hickling, Dr Hilary Robertson Hickling, Dr Jaswant Guzder)

- Pathways to Resilience III: Beyond Nature vs. Nurture: Implications for Resilience Intervention of Dream a World Cultural Therapy Model developed in Jamaica as an Evidence Based Action Research Project Dalhousie University, Halifax, Nova Scotia. June 16–19, 2015 Presenter
- Two Eyed Seeing Evaluation Research Meeting: Culture and Mental Health Research Unit, McGill University: Adapting the Dream a World Cultural Therapy Model for First Nations Communities in Canada. August 22, 2015 Presenter

Media Appearances

- Frederick W. Hickling – Interview on Smile Jamaica-TVJ September 16, 2014
- Frederick W. Hickling and Dr Jaswant Guzder-Dream-A-World For Inner City Children – Smile Jamaica-TVJ July 27, 2015

Social media

- Creation of Dream-A-World Cultural Therapy Facebook page: June 25, 2015 <https://www.facebook.com/pages/Dream-A-World-Cultural-Therapy/1417993275195398>
- Video on Dutty Berry Show Facebook Page of the Dream A World Children July 29, 2015 <https://www.facebook.com/DuttyBerryShow/videos/vb.148078678558787/1019562871410359/?type=2&theater>

Newspaper articles

- N.A. (2014, September 25). Dream A World Project to be expanded

- to 35 primary schools. *The Gleaner*. http://www.jamaicaobserver.com/news/-Dream-A-World-Project--to-be-expanded-to-35-primary-schools_17607305
- Harris, A. (2014, October 26). 'We are locking up our bright people'-Walcott. *The Gleaner*. <http://jamaica-gleaner.com/article/news/20141026/we-are-locking-our-bright-people-walcott#.VZFZgjTuH6Q.facebook>
 - N.A. (2015, January 13). Absence of Funds Leaves Child Therapy Programme in Limbo. *The Gleaner*. <http://jamaica-gleaner.com/gleaner/20150113/lead/lead2.html>
 - N.A. (2015, July 31). Dream A New World. *The Gleaner*. <http://jamaica-gleaner.com/article/news/20150731/dream-new-world>
 - Barnaby, J. (2015, August 1). Dream-A-world Celebrates Programme Success!. *The Gleaner*. <http://jamaica-gleaner.com/article/lead-stories/20150801/dream-world-celebrates-programme-success#.Vb7DMs64WvQ.facebook>

AWARDS

- Dr Jaswant Guzder: Dalhousie Award for Best oral research paper presentation at annual CACAP meeting
- Dr Jaswant Guzder: Award for Best oral research presentation at PRCP Conference

PUBLICATIONS

Book Chapters

- Hickling FW. (2015). The Role of Psychiatry in Football. In C. Charles (Ed.), *Perspectives on Caribbean Football* (161–178). Hertford, United Kingdom: Hansib Publications Limited

Books

- Hickling, F.W. (2014). *Mental Illness in schools in Jamaica*. Kingston, Jamaica: CARIMENSA Press.
- Hickling, F.W. (Ed) (2015) *Render Me Visible: Inner-City Children Dream A New World*. Kingston, Jamaica: CARIMENSA Press

INCOME GENERATION

Income from Projects

- **Grand Challenges Canada:** “Countering youth and urban violence with a community engagement cultural therapy program in Kingston, Jamaica”. October 31, 2013–October 31, 2015. CAD \$270,000
- **Ministry of Education:** “Dream-A-World Cultural Resilience Program”. November 2014–August 2015. JMD \$14,900,000.00

PUBLIC SERVICE

1. **FW Hickling:** Caribbean Representative: World Psychiatric Association. Section on Conflict Management and Resolution. 2003-present
2. **FW Hickling:** 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
3. **G Walcott:** President, Jamaica Psychiatric Association

CONFUCIUS INSTITUTE



Dr. Courtney A. Hogarth, PhD *Central Academy of Fine Arts, Beijing, China*
Director

September 2014 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

Ms. Keneisha Sappleton, Senior Secretary

Mr. Dong Xiaomin, Mandarin teacher

Ms. Li Mengfei, Chinese Volunteer

Mr. Liu Jiacheng, Chinese Volunteer

Ms. Clair Dunn, Office Attendant

Regular Confucius Institute classes resumed in Chinese (Mandarin) and Tai Chi, along with teaching in the Department of Modern Languages & Literatures.

On September 4, 2014 Prof. Lu Shaogang and Dr. Courtney A. Hogarth met with Dr. Luz Longsworth at the Western Jamaica Campus to continue discussions about introducing Mandarin. Most plans were already in place, while we waited on the teacher to arrive from China.

Other institutions of learning where Mandarin was offered during this academic year were:

Shortwood Teacher's College

Hampton High School

St. Hilda's High School

A delegation came from the Taiyuan University of Technology for the annual board meeting of the Confucius Institute. This was the first official meeting we were having in three years, and the first with Professor Archibald McDonald as Principal of the Mona Campus.

The annual Mid-Autumn Festival was celebrated at the Confucius Institute.

The inaugural Confucius Institute Day (international) was held on the Mona Campus on September 27.

Jamaican Director, Dr. Courtney A. Hogarth presented a paper titled "Time, Thought and Visual Expression – A Case for the Visual Arts in Higher Education" at the Cornaro Institute, Cyprus College of Art, Larnaca, on September 13, 2014, in the European Art Education Conference.

On September 30, 2014, Dr. Hogarth made a presentation, on China, to the students of the St. Andrew High School for girls.

In September the planning committee for the Confucius Institute conference met and decided that an inaugural conference would be held some time in 2015. This initial committee comprised:

Dr. Courtney A. Hogarth (Chair)

Dr. Paulette A. Ramsay (Co-Chair)

Confucius Institute

Professor Lu Shaogang

Professor Anthony Chen

Dr. Julian Cresser

Dr. Norval Edwards

Ms. Keneisha Sappleton

The month of October saw the regular functioning of the Confucius Institute.

On October 11, 2014 at 6:00 p.m. the Confucius Institute launched its Mandarin Programme at the Western Jamaica Campus. This was supported by the Chinese Ambassador who attended and brought greetings, the Department of Modern Languages & Literatures, whose HOD, Dr. Paulette A. Ramsay, also attended with greetings. The launch was also supported by the local Montego Bay business and civic communities. The teacher for this programme was Mr. Liu Jiacheng.

October saw the arrival of Chinese Volunteer, Ms. Liu Qing, who went directly to the Hampton School.

The month of November saw the regular functioning of the Confucius Institute.

From December 6–9, Dr. Paulette A. Ramsay, Prof. Lu Shaogang and Dr. Courtney A. Hogarth were in Xiamen, China, for the Annual Hanban Conference. They were later joined by Deputy-Principal, Professor Ishenkumba Kahwah. This was the first annual meeting to be held outside of Beijing. It was hosted, in part, by Xiamen University.

Professor Kahwah later travelled to the Taiyuan University of Technology in Taiyuan, accompanied in part, by Prof. Lu Shaogang.

Mr. Liu Jiacheng, Chinese Volunteer stationed at the Western Jamaica Campus was replaced by in-coming Chinese teacher, Ms. Li Yun, who will be in the island for a total of three years.

Late January saw the beginning of the second semester of the academic year 2014–2015. Students registered for our courses were as follows:

- Mandarin
- Tai Chi

The Confucius Institute celebrated the coming of Spring, Year of the Sheep, with a Lantern Festival at the Confucius Institute. This was supported by the Chinese Embassy in Jamaica and saw students and teachers from the Mona Campus, Western Jamaica Campus and Shortwood Teacher’s College. The Hampton School was also in attendance.

On March 18, 2015, the Jamaican Director, Dr. Courtney A. Hogarth made a presentation to participants in a one-day seminar at the Mona School of Business & Management. The seminar was titled ‘Engaging the Chinese Community: Onboarding for Solutions’.

The month of April saw the regular functioning of the Confucius Institute.

The month of May saw the regular functioning of the Confucius Institute.

The Confucius Institute annual Taiji Retreat was hosted at the University House, Cardiff Hall, from June 12–14, 2015.

June 18–20 saw the inaugural Confucius Institute Conference – “Dragons in the Archipelago – The Chinese-Caribbean Experience” being staged at the UWI, Mona Campus. The opening ceremony was held at the Regional Headquarters and attended by Professor Archibald McDonald, Principal, the Chinese Ambassador to Jamaica, H.E. Dong Xiaojun, members of the Diplomatic Corps, international scholars drawn from across the Americas, faculty members of the UWI, students and members of the public. The featured artist was Mr. Steven Woodham, Violinist, who presented a suite of melodies both Chinese and Jamaican.

Over the course of two days there were several panels with a total presentation of fifteen (15) papers.

Confucius Institute

The Conference Committee comprised the following individuals:

- Dr. Courtney A. Hogarth – Conference Chair
- Dr. Paulette A. Ramsay – Co-Chair
- Professor Lu Shaogang
- Professor Anthony Chen
- Dr. Julian Cresser
- Ms. Keneisha Sappleton
- Mr. Clifton McCook
- Dr. Nina Bruni
- Ms. Jennifer Mason

The conference was deemed a resounding success, from which a publication is expected.

The Confucius Institute held its second Summer School for members of the community. There were ten students in attendance.

As of July, 2015 staff members of the Confucius Institute are as follows:

- Professor Lu Shaogang, Chinese Director
- Dr. Courtney A. Hogarth, Jamaican Director
- Mr. Dong Xiaomin
- Li Yun
- Li Jiaqi
- Ms. Keneisha Sappleton, Senior Secretary
- Ms. Clair Dunn, Office Attendant

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 EQU in conjunction with the Department of Geography and

Earthquake Unit

Geology ran two workshops during the year on training on Tsunami Modelling and Hazard Assessment in collaboration with the Environmental Hydraulics Institute IH Cantabria, AECID (Spanish Corporation Agency), the Caribbean Disaster and Emergency Management Agency (CDEMA), and the Office of Disaster Preparedness and Emergency Management (ODPEM). The workshops were hosted by the Department of Geography and Geology and ran from the 15th-19th of September, 2014, and the 26th–30th January, 2015. Funding came from by AECID and Chilespana.

On the 10th November, 2014, the EQU participated in the Clarendon Parish Council Workshop/Disaster Management Group Sector Meeting. The objective of this activity was to gather insights into what is needed to finalise the Clarendon Parish Disaster Plan and where to garner this information. A map of earthquakes for a 5 year period of earthquake activity (up to December 2013) was submitted highlighting the ones occurring in Clarendon. This served to emphasise the fact that Clarendon does have an active fault running through it, and so can be directly impacted by earthquakes having epicentres within the parish.

On the 2nd–3rd of December, 2014, the EQU was involved with the Common Alerting Protocol (CAP) Workshop held at the Webster Memorial United Church, 53 Half-Way-Tree Road, Kingston. The training workshop was organized by the Met Office, the Finnish Meteorological Institute (FMI) and the World Meteorological Organization (WMO) as part of the SHOCS II project (Strengthening Hydrometeorological Operations and Services in Caribbean SIDS Phase II). Its' objective was to introduce the CAP messaging format for Early Warnings as recommended by the WMO. CAP is the standardized alerting protocol recommended by the WMO as the messaging format for Early Warnings. Messages for emergencies are formulated from standardized XML template forms. This ensures uniform alerting jargon and format for all hazards/emergencies from all authorised alerting authorities.

During January and February, 2015, the EQU was involved with various expos during ODPEM's Earthquake Awareness Month. Expos were run at Mandela Park, Half Way Tree (5th January 2015); The Transport Centre, Saint Ann's Bay (16th January 2015); The Transport Centre,

Santa Cruz (23rd January 2015); and Sam Sharpe Square, Montego Bay (6th February 2015).

At the UWI Research Days (9th–11th February 2015), the EQU had a display on the landing of the EQU entrance, where visitors were able to view the exhibit and tour the facility.

On the 25th February 2015, the EQU was involved in the launch of ODPEM's Jamaica Hazards Handy Manual at the ODPEM head office on Haining Road, Kingston. The manual was made possible by JICA with support from relevant Jamaican institutions such as the UWI and the Mines and Geology Division. There was a symbolic handover ceremony to the Hon. Noel Arcsott, Minister, Ministry of Local Government and Community Development by JICA.

On the 9th of June 2015, the EQU participated in the State of the Environment (SOE) 2013 – Resilience, Disaster Risk Reduction and Adaptation to Climate Change, run by the Ministry of Water, Land, Environment & Climate Change. The workshop was conducted by NEPA in order to seek stakeholder contributions. The SOE is conducted on a three year cycle, and the last report was for 2010.

The EQU was involved with the GOJ/ODPEM Project: Improvement of Emergency Communication System. The Japan International Cooperation Agency (JICA) Team visited the EQU twice on the 14th and 22nd July 2015. The purpose of the visit by the JICA project team was to conduct a preparatory survey for the project. Questions were mainly on the network and the instrumentation used to gather and transmit earthquake information.

A total of 23 schools visited the EQU during the 2014–2015 reporting period, with totals of 935 students and 53 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)

The Jamaica Seismograph Network performed at a satisfactory level during the year. At the end of this period three of the four digital broadband stations (STHB, YHJB and MTDJ) working. Montego Bay (MBJ) went down due to damage to the station from a lightning strike, and there was a lengthy delay in restoring service as a result of not having the necessary spares and waiting on the bursary to make payment. The twelve (12) analog short period seismograph stations worked at an acceptable level for most of this period with minor adjustments needed to improve on the signals from the western end of the island. There were delays in establishing the new broadband station at Castle Mountain due to the National Land Agency's (NLA) slow process of completing their processing to give us the go ahead to proceed with the installation at the site. In the meantime, we have made arrangements with the Police to assist with transmitting the data to Kingston on their data network once we complete the installation.

There was an expansion of the Jamaica Strong Motion Network (JSMN) with the installation of three new stations bringing the total number of seismographs up to seventeen (17). The new stations were at the Office of Disaster Preparedness and Emergency Management (ODPEM), Portmore Community College (PCC), and the Kingston Public Hospital (KPH). We have data from the station at the ODPEM coming into the Earthquake Unit's Central Recording Station in real-time but the other two sites are not transmitted in real-time as we do not have the radio equipment needed to transfer the data to the Earthquake Unit. We also completed the housing for stations that were part of the Caribbean Catastrophe Risk Insurance Facility (CCRIF) project at the Kingston Container Terminal (KCT) and the Long Mountain Country Club (LMCC). The Kingston Container Terminal (KCT) installation was completed and the station worked fine for all of this period with the data transmitted to the Earthquake Unit in real-time. We also continued to maintain the accelerographs installed at the Norman Manley International Airport (NMIA) and at TransJamaica Highway Limited. There are two accelerographs installed at each location with one unit installed as a free-

field station and the other installed on the control tower for NMIA and a free-field station at the Portmore Toll Plaza and the second unit on the Portmore Toll Bridge for TransJamaica Highway. There is also a Kinematrics ETNA accelerometer installed at SMADA Consultants in Half Way Tree at the SMADA office that continued to operate.

We had a busy lightning season from August to the end of November but we did not have much lightning damage to our equipment as measures were put in place to minimize the damage from such strikes.

The EQU continues to collaborate with the University of Wisconsin by working with Professor Chuck DeMets to process the GPS data for use in ongoing research work. We also have access to the data from the three UNAVCO GPS stations at Morant Cays, Pedro Bank and at the University of the West Indies. We also operate one GPS Continuous Station with a Trimble NETRS receiver at Pike in Manchester where data were downloaded and uploaded for processing. No temporary GPS installations were done during this reporting period. Engineers from UNAVCO visited in September, 2014, to check on the unit at the UWI.

The Earthquake Unit continued to operate the Jamaica National Data Center (NDC_JM) for the Comprehensive Nuclear Test Ban Treaty Organization (CTBTO). There were no major issues with the CTBTO equipment this year and the unit was able to do the necessary routine maintenance needed on the equipment. Earthquake Unit staff members continued to have access to all the CTBTO data.

The USGS-GSN station at Pike in Manchester had work undertaken on the station in October, 2014, to upgrade and to facilitate migrating from one telecommunication satellite provider to another. Two Engineers from the USGS visited in October to install equipment and to re-align the satellite for optimal performance. Earlier in the period we assisted in working with Spectrum Management in securing the VSAT license needed for the upgrade. I also visited the station (MTDJ) a few times to do routine maintenance and to sort out issues that came up during the year.

The EQU continues to seek additional collaborative possibilities. Recently, through the ODPEM, the EQU has been involved with JICA and a

Earthquake Unit

Chile-Spain Cooperative Agreement in trying to source additional funding and technical support. Also in the 2014–2015 reporting period, the EQU has been working with ODPEM and the PIOJ in a proposal to the World Bank to increase the number of broadband stations and strong motion seismographs across the island. Funding from this project is hoped to be available in the 2015–2016 reporting year.

The EQU still faces significant challenges. We still operate without the necessary spare equipment and parts needed to ensure a smooth operation and hence long hour in the laboratory and in the field are necessary to keep the stations operating. Lightning strikes during the hurricane season (May to November) are a particular concern as stations may go down and there is a significant time lag to facilitate repair and reinstallation. There is still the challenge of the length of time it takes for the university to process orders and some local companies have stopped accepting UWI purchase orders.

EARTHQUAKES RECORDED

The JSN recorded 74 local events for the period from August 2014 to July 2015, slightly more than in the previous year when 68 were recorded (Table 1).

EARTHQUAKE EVENT SUMMARY 2014 to 2015												
Year	Month	Located Events			Total located	Recorded Events					Total recorded	Felt
		Local	Near			Local	Near	Regional	Distant	Blasts		
2014	Aug	5	0		5	5	0	3	0	1	9	
2014	Sep	5	7		12	5	7	5	0	1	18	
2014	Oct	7	6		13	7	6	12	0	0	25	
2014	Nov	2	5		7	2	5	5	0	2	14	
2014	Dec	5	4		9	5	4	7	0	0	16	
2015	Jan	9	5		14	9	5	8	0	1	23	
2015	Feb	9	1		10	9	1	8	0	2	20	
2015	Mar	6	5		11	6	5	8	0	2	21	
2015	April	12	7		19	12	7	6	0	2	27	
2015	May	5	4		9	5	4	2	0	2	13	
2015	Jun	5	2		7	5	2	1	0	2	10	
2015	Jul	4	3		7	4	3	8	0	2	17	
ALL	Totals	74	49		123	74	49	73	0	17	213	

Table 1: Events recorded by the Central Recording Station at the EQU from August 2014 to July 2015; of the 74 local events recorded, one was felt.

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 1 & 2). A single felt event was recorded in the north-eastern Blue Mountains (Figure 2).

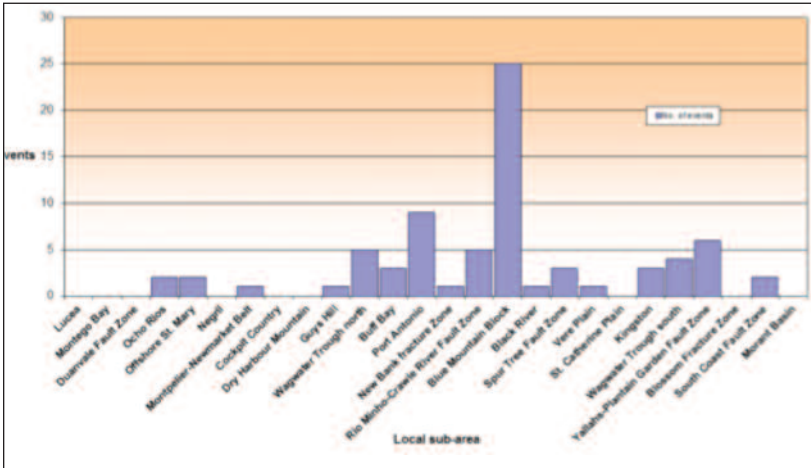


Figure 2. Breakdown of earthquakes by subregion for the period from August 2014–July 2015.

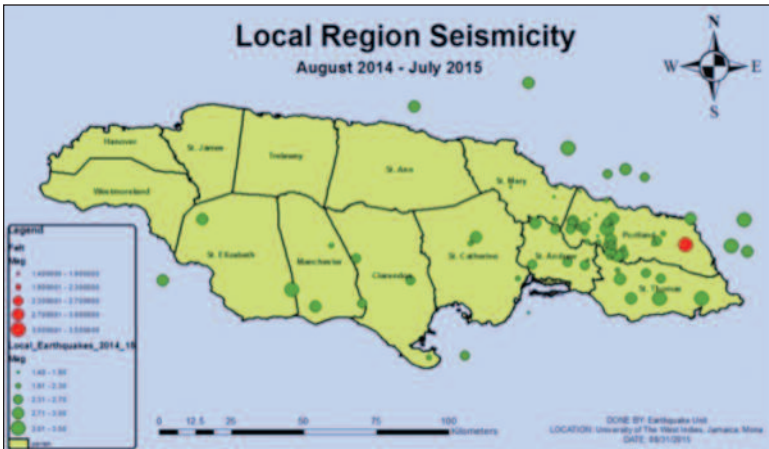


Figure 3. Earthquakes in Jamaica from August 2014 to July 2015; felt earthquakes shown in red.

Earthquake Unit

The total number of event processed by the Jamaica Seismic Network was 213, which included: 74 local events, 49 near events, 73 regional events, and 17 blasts (Table 1).

PRESENTATIONS

- **Karleen Black.** “Jamaica’s vulnerability to Earthquakes” ODPEM Earthquake Awareness Month, Press Launch, 6th January 2015.
- **Arpita Mandal, Simon F. Mitchell and K.-A. Mitchell.** “The Standard for Tsunami Inundation Modeling” CDEMA-ODPEM CHILESPANIA AECID workshop "Regional Seismic and Tsunami Risk Workshop, ODPEM Headquarters, Jamaica, 3rd March 2015.
- **Simon F. Mitchell.** “Jamaica and Earthquake Risk” Warden Conference, 12th September 2014, U.S. Embassy, 142 Old Hope Road, Kingston, Jamaica.

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 main objectives of the Electron Microscopy Unit for the 2014/2105 academic year were to:

- assist Researchers and Students, on and off the UWI Mona campus, with the microscopy aspects of their research
- expose interested persons to various aspects of microscopy;
- teach in the academic program of the UWI Mona campus,
- conduct research

All of the objectives were met to the extent that even students from an Elementary school were exposed to microscopy. The main investigations done and services provided are listed in Table 1.

Electron Microscopy Unit

Table 1. Main investigations done during the 2014/2015 academic year.

Specimen/Service	Technique	Institution
Adult insects	MP (macrophotography)	Dept. of Life Sciences
Fats & Oils	OM (optical microscopy)	Dept. of Chemistry
Pimento	MP	Dept. of Life Sciences
Pimento flower	OM	Dept. of Life Sciences
Pimento pollen	OM	Dept. of Life Sciences
Plant leaves	OM	Dept. of Chemistry
Rock sections	OM	Dept. of Geography & Geology
Setting up and commissioning new, and advanced optical microscope	OM	Dept. of Life Sciences
Wire mesh	OM	Jamaica Bureau of Standards

Laboratory sessions were conducted in Electron Microscopy and OM:

- graduate course Research Methods “C60M” from the Department of Chemistry
- undergraduate course Virology “Biol3404”, which included a lecture on negative staining of viruses.

Dr. Wolf contributed to the graduate course Research Methods for Biologists “BL60E” from the Department of Life Sciences, the undergraduate course Research Skills and Practices “Biol 2401” from the Department of Life Sciences and the course Forensic Chemistry “FSCI6502” from the Department of Basic Medical Sciences, which all involved lectures and laboratories on Microscopy and Digital imaging.

Dr. Wolf served on the executive board of the Natural History Society of Jamaica.

Collaborations with Protozoologists from the University of Salzburg (Austria) on Ciliates in tank bromeliads and with Zoologists at the University of Kassel (Germany) on the morphology and development of Jamaican Onychophora (velvet worms) continue.

REFEREED PUBLICATION

de Sena Oliveira, I., Lüter, C., **Wolf, K.W.**, Mayer, G. (2014). Evolutionary changes in the integument of the onychophoran *Plicatoperipatus jamaicensis* (Peripatidae). *Invertebrate Biology* 133(3): 274–280 (The picture on the cover page of this issue of the journal was a scanning electron micrograph selected from this article).

NON-REFEREED PUBLICATION

de Sena Oliveira, I., Lüter, C., **Wolf, K.W.**, Mayer, G. (2014). Evolutionary changes in the integument of the onychophoran *Plicatoperipatus jamaicensis* (Peripatidae). 3rd International Congress on the Invertebrate Morphology, Berlin (Germany), August 3–7, 2014, Abstracts p. 178.

INSTITUTE FOR GENDER AND
DEVELOPMENT STUDIES, MONA
CAMPUS UNIT



Leith Dunn, BA (Hons) MSC *UWI*, PhD *LSE*
Head of Unit

During the 2014/2015 Academic Year, the Institute for Gender and Development Studies (IGDS) Mona Unit continued to support the UWI's Strategic Plan 2012–2017, by prioritizing three (3) main areas: Teaching and Learning, Research and Innovation and Public Service/Outreach.

New registration in the BSc Gender and Development programme was lower than projected (19 vs 25 anticipated). Major highlights were expansion of the teaching and outreach programme to the UWI's Western Jamaica Campus (WJC). Two courses were offered (GEND3031 and GEND2004) to 30 students, delivered by new Part Time Lecturer, Ms Carla Moore (M.A in Gender Studies) from Queens University in Canada and all were successful. Ms Moore and Ms Kimberly Carr (Research Assistant at IGDS Mona Unit) also co-facilitated a gender

training workshop for 30 teachers and guidance counsellors during WJC's Open Day on January 12, 2015.

Other highlights included postgraduate scholarships to two male BSc graduates who are now studying overseas. Postgraduate students supervised by Mona Unit staff also continued to make progress and one graduated in October 2014. The Unit's research publication output increased, as reflected in a report presented to the Mona Academic Board on May 21 2015 on research and publication output by UWI Mona's Academic Staff. The per capita output of scholarly publications by IGDS Mona Unit staff for the period 2007–2013 was very high, especially for monographs; book chapters, conference presentations and technical reports. (See AB (M)P.82).

The Unit also continued to support implementation of the Mona Campus' Gender Action Plan, and the development of the UWI's Gender Policy coordinated by the IGDS Regional Unit. As part of its gender mainstreaming work, the Unit supported the Mona Campus' response to gender based violence in 2015, by hosting two gender sensitization sessions for approximately 65 Campus security officers and two sessions for approximately 50 Chancellor Hall students. The Outreach programme also expanded in response to increased requests to deliver gender training workshops, and research consultancies to external stakeholders locally and regionally. Among these were two (2) Gender Training workshops delivered to the Planning Institute of Jamaica's Climate Change Adaptation Fund, the Rural Agricultural Development Authority (RADA) in the Ministry of Agriculture, Peace Corps Volunteers and teachers attending the Cayman Islands National Education Conference in February 23–24 2015.

Outreach: The Mona Unit organised or participated in four (4) major activities during the reporting period: i) hosted the Eighth Lucille Mathurin Mair Public Lecture presented by Dr. Nkosazana Dlamini-Zuma, Chairperson of the African Union Commission on April 9 2015 at the UWI Law Faculty entitled "*The African Year of Women & 20 Years after Beijing*". Dr. Dlamini-Zuma was a guest of former Prime Minister, the Most Hon PJ Patterson; ii) the second annual International Women's

Day (IWD) Expo on March 7 2015, co-hosted with the Women's Resource and Outreach Centre (WROC) and other partners; iii) International Men's Day celebrated on November 19 2014 with a silent march around the Ring Road and a public education forum at the UWI Undercroft and iv) a meeting with visiting UN Rapporteur on Gender Based Violence with members of the Mona academic staff and local interest groups, on April 15 2015.

Outreach on Mona Campus also included revival of the IGDS Brown Bag Lunchtime Discussions to increase awareness of topical gender issues, co-hosted with the IGDS Regional Coordinating Unit. Two sessions were held: March 4 2015 on "Gender-Based Violence at Tertiary Institutions"; and the other on April 15, 2015 on "How to Move Up the UWI Career Ladder."

STUDENTS

Undergraduates: Total student enrolment in the BSc in Gender and Development was 134 for 2014/2015, which included 19 new students. The Unit delivered 19 courses to 1,002 students in 2014/2015 (Semesters 1, 2 and Summer School 2015) and included two courses offered at WJC in Semesters I and 2. This reflects a decrease in registration compared to 1,067 in 15 courses in 2013/2014. In Semester 1, some 459 students (113 males and 346 females) completed seven (7) courses. In Semester 2, some 462 students (124 males / 352 females) completed nine (9) courses and in Summer and Summer School 2015, some 67 students (15 males / 52 females) completed three (3) courses inclusive of eleven (11) female teachers registered in the BA Early Childhood Education programme from Shortwood Teachers' College. Twelve (12) BA Literacy students at the Moneague College successfully completed GEND3031 in Semester 2.

Major challenges: Most new students did very well, but approximately 5% had to be asked to withdraw at the end of the academic year because of poor academic performance but were counselled and allowed to continue. Factors included: financial problems which negatively impacted

their ability to pay fees, access resource materials on OURVLE and attend school regularly; some were unable to cope with the curriculum. Some Year 2 and 3 students also had to apply for Leave of Absence because of financial problems.

PROGRAMMES

Teaching & Learning: There is increasing need for gender specialists to mainstream gender in development policies and programmes in various sectors, but student enrolment decreased because of the economic climate and the Structural Adjustment Programme. Teaching and learning were enhanced through: Guest lecturers, and increasing students' interactions with professionals from government, private sector and NGOs.

Student Awards: Five (5) BSc Gender and Development students received awards for academic achievements in the annual UWI Student Awards Ceremony held in April 2015. A replica of the IGDS trophy for academic performance was presented to Ms Raque Salmon who received the highest GPA and who graduated on October 30 2014 with first class honours. As previously noted, two male graduates were awarded postgraduate scholarships to study overseas. Mr Odean Rodney is pursuing an MBA in the USA and Mr Occero Fuller is pursuing a Masters in Development at the University of Samoa in the Pacific on a European Union Erasmus Mundi scholarship. Several other BSc Gender Majors are pursuing postgraduate degrees and others are working.

BSc Graduates: On October 30 2015, some 25 students will graduate: seven (7) upper second; 16 lower second; and two (2) passes. This increased the total graduates from the BSc to 66 since the programme started.

Student Internships: To enhance teaching and learning and career readiness, internships were arranged for undergraduate students enrolled in the BSc programme and others completing gender courses. Three types of internships were organized:

Inter-institutional partnerships: Partnerships with eight (8) agencies enabled 72 students in GEND3032 (Gender Climate Change and

Disaster Risk Management) to be placed, to build capacity to mainstream gender in development policies and programmes and enhance career readiness. Partners were: Ministry of Water, Land, Environment and Climate Change – Climate Change Division; the Planning Institute of Jamaica (PIOJ); PANOS Caribbean; Combined Disabilities Association; Women’s Resource and Outreach Centre (WROC); the Institute for Sustainable Development (UWI); The UWI’s Human Resources Management Division and the UWI’s Estate Management (Maintenance Department).

Institutional Internships: Career development was enhanced by organising Summer Internships for six (6) students with PANOS, the Bureau of Women’s Affairs, UNFPA and NEPA during July–August 2014. Students completed work assigned by the agencies, learnt about their work in development and environmental issues, and reviewed their policies and programmes to assess gender mainstreaming.

Postgraduates: The Unit’s staff continued to support postgraduate teaching and research by supervising 11 MPhil/PhD students for the IGDS Regional Coordinating Unit, IGDS St Augustine and other UWI Departments. In addition to the PhD graduate in October 2014 others progressed in their programmes by gaining Ethics approval, presenting at upgrade and research seminars, conferences, and submitting articles for publication.

Strategies to Create the Ideal UWI Graduate/Cross-Faculty Teaching: The Mona Unit continued to be responsible for the delivery of the undergraduate module on Gender Ethics Science and Technology in FOUND1001/FD12A. In 2014/2015 the postgraduate module on Gender Issues in Health in the Family Medicine (FMMS 6231) programme was again delivered on-line to 12 medical doctors registered at UWI Cave Hill and UWI Mona.

STAFFING

Human resources: During the year, six academic staff delivered the programme. This included: three (3) new academic (Senior Lecturer, Dr

Cecily Jones (November 2014); Lecturer, Dr Adwoa Onuora (August 2014); PT Lecturer, Ms Carla Moore at the Western Jamaica campus (Sem 2). Mrs Carol Watson Williams continued as a PT Lecturer for one course. Dr Anneka Marshall (Lecturer) and Dr Dunn (Senior Lecturer/Head) continued on staff. The Unit's Administrative team included Ms Ingrid Nicely- Senior Administrative Assistant, Ms Kimberly Carr – Research Assistant, Ms Ann Marie Virgo – Receptionist and Ms Thalia Ellis-Office Attendant.

The workload increased with more demands for gender training workshops, guest lectures, and technical assistance to mainstream gender in national policies and outreach/advocacy programmes and supporting visiting researchers and academics and responses to the media. This continued to undermine goals for work-life balance for staff members.

Staff Teaching Loads: Full time lecturers delivered 10 hours teaching and the Head 5 hours weekly.

RESEARCH & OUTREACH

The Unit continued to have an active Research programme. Research projects included:

- Title: “Towards an Understanding of Structural Drivers of HIV/STI and Protective Factors among Sexual and Gender Minority Youth in Kingston, Jamaica”. Dr. Marshall, Dr. Carmen Logie and other partners from the University of Toronto commenced this three year research project with the Jamaica Aids Support for Life (JASL). The research is sponsored by the Canadian Institute of Health Research (CIHR) and is funded by the International Development Research Centre (IDRC). Academics and community workers in Jamaica and Toronto are conducting research to expand knowledge to reduce HIV/STI risks through analysis of pathways to promote equitable healthcare among Sexual and Gender Minority Youth (SGMY) in Kingston, Jamaica, to better inform HIV/STI prevention programmes in the Caribbean and with Caribbean SGMY in Canada.

- Title: Human Trafficking in Jamaica: In December 2014 Dr Dunn was commissioned by the Ministry of Justice and the United Nations Population Fund (UNDP) to conduct research on Human Trafficking in Jamaica for the National Anti-Trafficking Task Force. This is a follow-up to the Ricketts and Dunn (2007) study on Trafficking in Persons in Jamaica, funded by the IDB. The new project includes development of a Trafficking in Persons Database and Information System to improve data collection, analysis and reporting. The Database project also made recommendations to build and maintain the TIP Database to ensure easy access for policy makers. A TIP Data-sharing Protocol and Brochure were also developed to promote use of the Database from a wider cross section of institutions. Research has also resulted in a new Situational Analysis of Human Trafficking in Jamaica with data on new trends, risks, best practices, a review of legislation to fulfil global and national commitments; to guide development of a national policy on human trafficking as well as the work of the National Anti-Trafficking Task Force's subcommittees on prevention, prosecution and protection coordinated by the Ministry of Justice.

Dr Dunn continued research for her book entitled: *“Engendering Caribbean Development: Implications for policy and planning in the Caribbean.”* The volume on the “Elsa Leo-Rhynie Symposium 2008 Conference Proceedings co-edited with Professor Barbara Bailey was submitted to the *Caribbean Review of Gender Studies journal* for publication.

Action Research: UWI Mona's Gender Action Plan & UWI Gender Policy: Ten (10) Gender Focal Points were appointed by faculties and departments to support the IGDS in preparing and implementing the UWI Mona's Gender Action Plan (GAP). Activities in support of the GAP included: two sensitization sessions attended by 65 security guards following meetings with the UWI Campus Security team; two sessions with male students from Chancellor Hall; a planning meeting to support Gender Focal Points. A joint MU/RCU Brown Bag Lunch was also held on March 4 2015 to discuss gender based violence on the Mona campus. The Unit is currently working with other IGDS colleagues from the

Regional Coordinating Unit, the Nita Barrow Unit (Cave Hill) and St Augustine Unit to support the development of the UWI Gender Policy.

SERVICE TO THE UWI-12 COUNTRIES AND UNDERSERVED COMMUNITIES

The IGDS Mona Unit was commissioned by the Caribbean Disaster Emergency Management Agency (CDEMA) to mainstream gender in climate change and disaster risk management policies programmes, and strategies. Partnership with CDEMA also enabled Ms Kimberly Carr to make a presentation at the World Humanitarian Summit Gender Consultation held in Santiago, Chile in April 2015; Mrs Indi McLymont Lafayette to conduct a gender training workshop at CDEMA's Regional Consultation in Barbados, on April 17, 2015 and Dr Leith Dunn at a CDEMA training workshop for Caribbean disaster managers at a workshop in Providenciales, Turks and Caicos Islands on July 7, 2015 via Skype. The Mona Unit research team integrated gender in CDEMA's Comprehensive Disaster Management (CDM) Strategy and Framework for 2014-2024; data collection instruments for Damage Needs Assessments and in all CDM programmes of CDEMA participating countries. These activities are in preparation for the 2016 Global Disaster Summit which will include gender equality and women's empowerment in global humanitarian reforms.

PAPERS PRESENTED

Major Conferences/Seminars

- International Association for Feminist Economics (IAFFE) Conference: Dr Dunn chaired a panel at the IAFFE Conference the held at the University of Ghana, Legon Campus, on June 27 – 29, 2014.
- International Monetary Fund/Government of Jamaica Conference on Women, Work and the Jamaican Economy: Dr Dunn presented a paper on the 'Role of Women in the Jamaican Economy, at the Conference, held on September 30, 2014 at the Jamaica Conference Centre. This was attended by the Prime Minister, several government

ministers and officials as well as staff of the IMF and other key stakeholders.

- Conference on Gender Based Violence in the Organization of Eastern Caribbean States (OECS): Dr Dunn coordinated a panel discussion on 'Men as Perpetrators and Victims of GBV' during the regional conference which was organized by the Organization of American States, held at Bay Garden Hotel in St. Lucia, from September 22–25, 2014. Dr Dunn participated via Skype.
- UWI Student Leaders' Conference: Dr Dunn chaired a panel discussion titled “Changing Old Paradigm: Add Women Change Everything at the UWI Student Leaders' on August 15, 2014 on the Mona Campus.
- Conference for Junior Electoral Professionals: Dr. Dunn gave a presentation on 'Integrating Gender in Electoral Campaigning', at a regional training conference for Junior Electoral Professionals employed to Electoral Commissions across the Caribbean, at the Jamaica Pegasus Hotel on September 25, 2014. This was hosted by the Commonwealth Secretariat and the Electoral Commission of Jamaica.
- HelpAge International Conference: A paper prepared by Dr Dunn entitled “Gender Issues in Disaster Risk Reduction: Differentiated Needs, Experiences and Contributions of Older Men & Women” was presented by Ms Kimberly Carr (Research Assistant) at the HelpAge International Conference, held at the Jamaica Conference Centre on October 13, 2014;
- Belize Country Conference: Dr. Dunn presented a paper entitled: 'Gender and Climate Change' at the UWI Open Campus” Belize Country Conference, on October 28, 2014. (via Skype).
- SALISES 2014 Caribbean Child Research Conference: Dr Dunn presented a paper entitled 'Gender and children with Disabilities' at the SALISES 2014 Caribbean Child Research Conference held on November 5, 2014 at the Jamaica Conference Centre.
- MSBM Inaugural Conference on Business and Management January

7–9, 2015, entitled: ‘Learning, Knowing, Doing’: Dr. Dunn and Ms. Alison Brown (Mona School of Business and Management), presented findings of a pilot study entitled ‘Women at the Music Margin: Investigating Gender-related Impediments to Success in Jamaica’s Music Industry’. Ms. Carla Moore part-time IGDS Mona Unit Lecturer at the Western Jamaica Campus (WJC) made the presentation on January 8, 2015 at the conference held in Montego Bay, Jamaica.

- Annual SALISES Conference: Dr Dunn presented a paper entitled ‘Revisiting Lewis’s Legacy: Maximizing the participation of men and women in Development’ at the 16th Annual SALISES Conference, held in St Lucia from January 14–16, 2015, under the theme: Towards Caribbean Prosperity and Happiness in an Equitable and Sustainable World. The presentation was included in the panel on: A Gender Focus on Happiness, Labour, Income, Equity and Sustainable Development.
- International Reggae Conference: Dr. Marshall chaired a panel on "Jamaican Music: Diffusion, Community, Heritage and Gender", at the International Reggae Conference, held in The UWI’s Main Library on February 13, 2015.
- JTA 2015 Conference: Dr Dunn was the guest speaker at the Jamaica Teachers’ Association’s Education Conference held on April 10, 2015 in Montego Bay. Her presentation was entitled: ‘Gender Based Learning Strategies – Teaching with an awareness of male and female socio-cognitive development’.
- Cayman Islands National Education Conference Gender Workshop: Dr Dunn was invited to facilitate three (3) workshops for educators attending the Cayman Islands National Education Conference on February 24, 2015. The workshops were held under the theme: Mainstreaming Gender in Education: Tools and Tips for Educators.

PUBLICATIONS

Books & Monographs

Dr Adwoa Onuora (2015). *Anansesem: Telling Stories and Storytelling African Maternal Pedagogies*. Demeter Press: Canada, 2015; 138 pages. The Unit congratulated Dr Onuora on the publication of this book from her PhD thesis.

Book Chapters

Dr Leith Dunn. "Gender, Development and Education in Caribbean Small Islands Development States: Post 2015 Development Agenda". In *Commonwealth Education Partnerships 2014/2015*, edited by Andrew Robertson, Rupert Jones-Parry, Jade Fell and Kate Bystrova. London: Commonwealth Secretariat and Nexus Strategic Partnership, 2014, (pp 62–64).

INCOME GENERATION

The Unit contributed an estimated US\$351,818.77 to the UWI in 2014/2015. This was based on revenue of US\$268,036.21 – from student fees from 134 Gender Studies Majors (est.110 full time and 34 part-time) in semesters I & II, and 52 students registered in Summer School 2015; US\$3,000.00 for Gender Training Workshop conducted at the Cayman Islands National Education Conference Gender Workshop, in the Cayman Islands; research funding of US\$70,000- from UNDP Trafficking in Persons (TIP) Information Systems and Database Project to enable the capacity of the Ministry of Justice and National Anti-Trafficking Task Force to monitor and report on TIP in Jamaica; ii.US\$9,000 to undertake Gender Mainstreaming in CDEMA Policies, Programmes and Strategies; (US\$1,782.56) in cash and kind for Special events: US\$469.56 – contribution from UNFPA towards International Women's Day (IWD) Expo 2015; US\$869 – contribution towards the Lucille Mathurin Mair Public Lecture from Jamaica National Building

Society (JNBS), and US\$444 in kind from the South African High Commission for the Eighth Lucille Mathurin Mair Public Lecture.

PUBLIC SERVICE

Staff of the Unit continued to provide public service to many institutions. This continued to include support to mainstream gender in public policies, public education and awareness on gender through guest lectures, seminars, workshops, media interviews, as well as serving on boards and committees.

Dr. Leith Dunn continued as the UWI Mona's Gender Focal Point to integrate gender as part of the Jamaica's National Policy for Gender Equality. She also continued to serve on the Board of Management of the Shortwood Teachers' College and the Foundation for International Training in Canada; a member of the International Association for Feminist Economics, the Caribbean Studies Association; as a member of journals (including the *Caribbean Review of Gender Studies Online Journal*, and the *Journal of Education and Development in the Caribbean*) and a peer reviewer for academic publications.

Dr Annecka Marshall continued as a member of: the Editorial Boards of *Caribbean Review of Gender Studies Online Journal* and the *Jonkonu Arts Journal* published by the Edna Manley College of the Visual and Performing Arts; member of the Board of Directors of AWOJA; British Sociological Association; The Association of Black Sociologists; The Association for the Study of the Worldwide African Diaspora; African Studies Association of Africa.

Dr Adwoa Onuora served as a member of: 51% Coalition, Jamaica; the IGDS Representative Voices for Equal Rights and Justice (VERJ) tasked with advocacy around the revision of Jamaica's Sexual Offences Act; and a member of Motherhood Initiative for Community & Research Involvement (MIRCI).

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 a Regional Coordinating Unit (RCU), 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 RCU, has oversight of the Campus-Based Units as the RCU functions as the administrative hub of the regional Institute.

In addition to its administrative duties, the RCU has responsibility for

helping to finance the enterprise and does so through collaborative initiatives with its partners, including UNWomen, UNFPA, the IDB and CARIBSAVE. Administering the Graduate Programme at the Mona Campus is also the responsibility of the RCU.

The activities of the RCU 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 RCU 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 RCU during the period under review were directed towards ensuring that the Unit 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 RCU, has been tasked by the UWI with developing a UWI-wide Gender Policy, which will ensure the Institution's compliance with National Policies 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 RCU, the Open Campus, the University Registrar the UWI Legal Unit, the UWI Marketing and Communication Office and the Office of Planning and Institutional Research 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 the University's Finance and General Purposes Committee (UF&GPC) at their meeting in May 2016.

The remainder of this Report highlights the work of the RCU of the IGDS in the critical areas mentioned in this Overview.

TEACHING, LEARNING AND STUDENT DEVELOPMENT:

During the AY, the RCU 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)

Eight graduate courses were offered during the period and taught by Professor 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 (Winsome Townsend), 1 MPhil (Yvonne Blagrove-Smith) and 5 MSc students at the graduation ceremony held in October 2014.

The RCU also continued its Staff/Graduate Seminar Series. Graduate symposia were held on March 19, 2015 and May 2, 2014. 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. A successful upgrade seminar was further held for MPhil candidate Ms. Cynthia Pitter on April 30, 2015.

The Unit made the inaugural Louraine Emmanuel Award (a financial grant of US\$500) to Dr. Winsome Townsend (PhD graduate) and Ms. Jannet McIntosh (MSc graduate) on November 4, 2014. The prize consisted of both a cash and book award. The students were also recognized at the Campus' Scholarship Graduate Award Breakfast held on April 9, 2015.

STAFFING

The staff complement in the RCU remains small despite persistent requests for additional researchers. Supporting the various programmes and activities were, in addition to the University Director, and the lecturers already mentioned, Administrative Officer, Mrs. Shakira Maxwell, Junior Research Fellow, Mrs. Suzanne Charles Watson, Temporary Research Assistant, Mr. Kemal Brown, Secretary Mrs. Kadine Marshall Williams, and Office Attendant, Mrs. Margaret Rowe-Hunter.

The Unit also hosted Ms. Lahoma Thomas a visiting PhD student/Weston Fellow from the University of Toronto, Canada and Ms. Nicosia Shakes a visiting PhD student from Brown University in the United States. While attached to the Unit both students undertook primary field work, provided guest lectures in courses and assisted in the planning and execution of outreach activities.

RESEARCH

The RCU 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.

- i. A regional project, "Contemporary Caribbean Masculinities: An investigation into Boys, Men & Masculinity in the Contemporary Caribbean" was the flagship project to be continued into 2016. project, which intends to be a CARICOM wide study, will examine the ways in which the lives of Caribbean men have evolved over the last thirty years. The project was launched on April 29, 2014 in the form of a seminar, which provided an opportunity for dialogue

around critical areas of inclusion for a comprehensive research agenda on contemporary Caribbean Masculinities. Scholarly papers were presented on issues related to the various manifestations of Caribbean Masculinities. It further solicited both ideological and resource contributions from the academic, CBO, Non-Governmental and international donor communities; as well as from Civil Society and relevant Government agencies towards the various thematic aspects of the research. The seminar involved the other campuses via the Open Campus platform and segments of presentations were also shared via YouTube.

The project was later selected by the University Research Day team for inclusion in the UWI Opportunity Lounge which took place during UWI's Research Days, February 9–11, 2015. Professor Shepherd and Mrs. Charles Watson subsequently participated in meeting with several partners in relation to the regional project.

A follow up stakeholder's meeting was held on May 20, 2015 with organizations including UWIHARP, The World Bank, UNICEF, UNWomen, IDB, the United Nations Population Fund, the Canadian High Commission, and the British Council in reference to possible strategic partnerships that could be forged to advance the Masculinities project.

A Regional Steering Committee meeting on the project also took place at Cave Hill, Barbados, from June 10–11, 2015. The committee discussed the scope and sequence of the project and it was determined that the first activity would be a comprehensive demographic profile of Caribbean males using CARICOM census data sets. Preliminary background on this activity work has begun and will continue in the upcoming AY.

- ii. Work was undertaken and completed during the review period on the Gibson Relays Project with Professor Shepherd, Mrs. Charles Watson, Mr. Brown and MSc. graduate student Mr. Deighton Stuart providing research services to document the history and impact of the Gibson Relays, from a gender perspective.

This work is part of a larger RCU interest in Gender and Sports launched at Research Days 2015.

The Unit collaborated with the Enhancing Knowledge and Application of Comprehensive Disaster Management (EKACDM) on a major research project on Disaster Risk Management (DRM). The project is funded by DFATD, Canada. During the period under review, the RCU research team met with Dr. Thera Edwards, the project leader, to determine the Terms of Reference. The RCU is being asked to produce, a strategic plan for gender-sensitive DRM mainstreaming which includes:

- i. A gender review of strategies developed and endorsed by the Caribbean Disaster Emergency Management Agency (CDEMA) for DRM,
- ii. Reviewing existing plans and strategies for gender mainstreaming DRM,
- iii. Holding stakeholder consultation on mainstreaming DRM, and
- iv. Improving methodologies for gender-sensitive hazard impact mapping, disaster risk mitigation, or risk assessment endorsed by CDEMA.

The Unit will also be developing specific training material, which will include:

- i. Gender-sensitive manuals on mainstreaming DRM into key regional economic sectors,
- ii. Specialized training modules and courses for mainstreaming DRM into key regional economic sectors,
- iii. Manuals on mainstreaming gender-sensitive DRM into business practice for Small and Medium Enterprise (SME)s, and
- iv. Specialized training modules, workshops and online courses for mainstreaming DRM into SME business practice.

OTHER ACTIVITIES:

- iv. Mrs. Charles Watson represented the Unit at the Caribbean Development Bank (CDB) hosted meeting to discuss Gender Equality in the OECS Education Sector Strategy, February —6, 2015. The meeting, which was held in Gros Islet, St. Lucia brought together education policy makers and gender specialists to discuss the Gender Implementation Guidelines for the Strategy.

- v. Mrs. Charles Watson also attended a 2-day meeting on September 10 and 11, 2014 convened by the UWI Latin American-Caribbean Centre (LACA) with scholars from Columbia including Dr. Diana Soto Arango, Director of the Hisula Research Group to discuss potential collaborations. Present at the meeting including Mrs. Charles Watson were Ms. Annette Insanally (Director of LACA), Professor Julie Meeks-Garner, Ms. Ceceile Minnott and Professor Hubert Devonish.

OUTREACH

The RCU engaged in several important outreach activities during the period August 2013–July 2014. These included:

- i. Collaborating with the Mona Campus Unit of the IGDS to re-launch the Brown Bag Series, “Conversations with Gender” in an attempt to re-engage the campus community on issues around Gender and Development. The first seminar was held on March 4 under the theme, “Gender-Based Violence at Tertiary Institutions: Can we Have a Conversation?” and featured a panel discussion with Ms. Annie Paul, SALISES, Ms. Nicosia Shakes, RCU Visiting PhD Candidate, Brown University and Ms. Taitu Heron, UN Women.

The second seminar in the series was held on April 15, 2015 under the theme, “How to Move Up the UWI Career Ladder” and featured panellists, Profs. Mark Figueiroa and Patsy Lewis from SALISES and Dr. Allister Hinds, Director of the Human Resources Department at Mona.

- ii. Operating the Home Work Centre for the benefit of the children of staff and students on the Mona campus.
- iii. Meeting with Mrs. Rashida Manjoo the UN Special Rapporteur on Violence Against Women, its Causes and Consequence on April 15, 2015. Ms. Manjoo was on a study tour in the Caribbean region. The meeting provided an opportunity to highlight the research work of the RCU in the arena of Gender-Based Violence and related issues.

- iv. Hosting, with the MCU, the 8th Biennial Lucille Mathurin Mair Public Lecture delivered by Dr. Nkosazana Dlamini Zuma, Chairperson of the African Union Commission on April 9, 2015. The lecture which was entitled, “The African Year of Women & 20 Years After Beijing” was well attended by over 150 persons.
- v. Making a monetary contribution to the Jamaica National Netball Team to assist the National Team in their preparations for the Netball World Cup to be held in Sydney Australia in August 2015.
- vi. Continuing to disseminate the research work conducted for the IDB funded Adolescent Dislocation Project. Team members, Mrs. Charles Watson, Dr. Mortley and Prof. Claremont Kirton discussed some of the key findings from the project on the radio programme “Talking History” with Professor Shepherd on January 31, 2015.
- vii. In recognition of International Day for the Elimination of Violence Against Women and the 16 Days of Activism Against Gender Based Violence, the RCU distributed purple ribbons to all staff members in the Regional Headquarters. Staff members “pinned” RHQ staffers and the Vice Chancellor. The Unit also sent out press releases to local media houses and internally via the Mona Campus Messaging System in recognition of International Men’s Day on November 19 and International Day for the Elimination of Violence Against Women on November 25.

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:

Dr. Dalea Bean

- (with A. Spencer) “What’s romance got to do with it? Female sex tourism in Jamaica”. MSBM 3rd International Tourism Conference: Tourism and Innovation: Re-inventing, Revolutionizing, Transforming,

November 9–11, 2014, Montego Bay, Jamaica. (15 slides)

- “Franchise for the Women Like World War I: Dissent, Activism & Transformation”, October 17–18, 2014, Georgian Court University Lakewood, New Jersey, USA. (12 pages)
- “Gendered Contradictions of Activism for the Vote for Jamaica Women.” Catastrophe or Catalyst? African and African Diasporas’ Visions Arising from World War One, October 2–4, 2014, Bayreuth Academy of Advanced African Studies, Germany. (14 pages)

Mrs. Suzanne Charles Watson

- “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. April, 2015, Kingston, Jamaica (10 pages)
- “Men, Masculinities and the Project of Development”. Presented (via video) to 16th Session of United Nations Working Group of Experts on People of African Descent: Access to Justice. April, 2015, Geneva, Switzerland. (4 pages)
- “Contemporary Caribbean Masculinities: Developing a Research Framework”. International Conference on Masculinities: Engaging Men and Boys for Gender Equality. March, 2015, New York, USA. (12 pages)
- “Gender, Human Rights and Education: A Caribbean Perspective”. Presented (via distance) to 14th Session of United Nations Working Group of Experts on People of African Descent: Access to Justice. November, 2014, Geneva, Switzerland. (15 pages)

Mrs. Shakira Maxwell

- “Time for Action!”: A Gendered Approach to Succession Planning at a Higher Education Institution” 14th Annual Association of Caribbean Higher Education Administrators Conference, July 9–11, 2015, Trinidad and Tobago. (12 pages)

- “I’m Not Going to be Bare Foot and Pregnant!: The Need for a Rights Based Approach to Reproductive Health Policy in Jamaica”, Sexual and Reproductive Health Conference, November 29–30, 2014, Kingston, Jamaica. (17 slides)
- (with L. Waller, O. Burke and S. Walters) “Youth Mainstreaming Capacity Building: Lessons from Belize,” National Youth Conference, November 26, 2014, Kingston, Jamaica. (25 pages)

Dr. Natasha Mortley

- (with Andrea Baldwin) “Reassessing Caribbean Migration: Love, Power and (re)building within the Diaspora”, Caribbean Studies Association Annual Conference, New Orleans, Louisiana, May 25–30, 2015. (13 slides) and the 16th Annual SALISES Conference, celebrated as: The W. Arthur Lewis Centennial, January 16, 2015, St. Lucia. (17 slides)
- “Racing to the Top: Sports Tourism in Jamaica from the Global Value Chain Approach”, the 16th Annual SALISES Annual Conference, Celebrated as: The W. Arthur Lewis Centennial, January 15, 2015, St. Lucia. (32 pages)
- Lead Presenter and Co-Facilitator – OECS/IOM Workshop on Diaspora Engagement and Remittances for Development in the OECS. October 30 to 31, 2014, St Lucia.
- Participated in a conference and roundtable discussion from August 20–21, 2014 for the Washington Network Group and Society for International Development in Washington DC, USA.

Professor Verene Shepherd

- “Backward Stretch, Forward Reach: Who are you carrying in Your Backpack? Keynote address, Scholarship luncheon hosted by the Jamaican Women of Florida Association, May 23, 2015, Miami, Florida, USA. (12 pages)
- “Black Lives Matter: The Caribbean Case for Reparatory Justice”, Walter Rodney Foundation Lecture Atlanta, Georgia, April 16, 2015. (27 pages)

- Keynote Speech entitled, “Learning from Historical Tragedies to Combat Racial Discrimination Today” at the United Nations General Assembly in New York at the event to mark the International Day for the Elimination of Racial Discrimination on March 20, 2015. While in New York she was also invited to join the Jamaican Delegation for the unveiling of the Permanent Memorial in Honour of Slavery and the Trans-Atlantic Slave Trade which took place on March 25, 2015 at the UN Headquarters. (6 pages)
- “Burning For Freedom: Black Lives Matter.” Lecture delivered at the “Flames of Freedom” Sam Sharpe Memorial event, Montego Bay, December 27, 2014.
- “The Politics of Memory: Historicising Caribbean Women’s Political Activism,” Caribbean Women Catalysts for Change Lecture, Nita Barrow Unit, IGDS, November 14, 2014, Barbados. (32 pages)
- “Challenges of a Legacy: The Continued Struggle for Rights for Africans in the 21st Century,” The “Two of a Mind,” IOJ Symposium on Barry Chevannes and Rex Nettleford, Institute of Jamaica, November 1, 2014, Kingston, Jamaica. (16 pages)
- “War memorials and Black Liberation: Grounding with Walter Rodney on History, Heritage and Activism,” Walter Rodney Memorial Lecture, Coventry, UK; The Yesu Persaud Centre for Caribbean Studies, October 28, 2014, United Kingdom. (33 pages)
- “Changing Places: Slavery, Indentureship and the Ranking Game in Colonial and Post-Colonial Jamaica” Alderman Sydney Smith Memorial Lecture, October 9, 2014, Hull, United Kingdom. (23 pages)
- Attended a Conference on the Bicentennial of the Congress of Vienna in Austria from September 15–22, 2014. While in Austria, Prof. Shepherd was appointed “Vice President of the Congress”, chaired the opening Plenary at the University of Vienna and delivered a seminar paper at the University of Klagenfurt titled, “Trends in Caribbean Historiography and Caribbean Historians’ Activism”. (8 pages)

- “Reparation, Psychological Rehabilitation & Pedagogical Strategies.” George Lamming Distinguished Lecture, Errol Barrow Centre for the Creative Imagination, Cave Hill, Barbados, June 11, 2014 and The Annual Cyril Packwood & Kenneth Robinson Lecture, Hamilton, Bermuda, September 8–10, 2014. (34 pages)
- “In Their Name: Caribbean Women, Slavery & Reparation.” Feature Address, 32nd Emancipation Day Dinner, August 9, 2014, Andre Kamperveen Hall, Centre of Excellence, Tunapuna Trinidad & Tobago. Professor Shepherd also delivered the same address in Tobago on August 10, 2014. (48 pages)
- “From Montego Bay to Morant Bay: Making the Case for Reparatory Justice”. Manchester Emancipation Lecture, July 27, 2105. (22 pages)

PUBLICATIONS

Refereed Articles & Book Chapters:

- Mrs. Suzanne Charles Watson and D. Thakur “A Case Study of Rural Women Entrepreneurs in Jamaica and the Women in Economic Leadership (WEL) Model” in L. Kelly (Ed). *Entrepreneurial Women: New Management and Leadership Models*. September, 2014.

INCOME GENERATION

1. MSc Self Financing Programme – JM\$975,000
2. MOU to be finalized shortly for EKACDM project which will result in a sum of CAD\$35,000

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, 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

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.
- Member, United Nation’s Working Group of Experts on People of African Descent (WGPAD)
- Member, Jamaica Chapter, International Women’s Forum
- Chair, National Commission 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
- Advisory Board ITER (MICO University)
- Advisory Board, Police Training College (Jamaica)

INTERNATIONAL CENTRE FOR ENVIRONMENTAL AND NUCLEAR SCIENCES (ICENS)



Charles Grant MSc, *University of Surrey*
Director General

The 2014–2015 academic year was a pivotal year for ICENS, after 31 years of operation of the SLOWPOKE-II research reactor the US Department of Energy agreed to convert the core reactor from Highly Enriched Uranium (HEU) to Low enriched Uranium (LEU). The 17th of July, 2015 marked the last day of operation of the SLOWPOKE-II reactor with HEU fuel. The new fuel will arrive in Jamaica in September, with installation to be completed by mid-October. 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 removal is also in line with the growing international consensus to eliminate civil uses of HEU. The project will be fully funded by the US Government at cost of over 6 million US dollars.

WORK OF THE DEPARTMENT

Although fifty percent of the scientific staff were seconded to the core conversion project our primary scientific programmes continued to operate.

Using geochemical data for two main purposes: 1) to trace environmental transfer of trace elements from soils to people; and 2) to explore for minerals.

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.

Two key items of ICENS laboratory equipment, the outdated graphite furnace-atomic absorption spectroscope and flame atomic absorption spectroscope (GF-AAS), were replaced and commissioned. The new thermoluminescence dosimetry (TLD) system donated by the IAEA was commissioned, a new and improved database for the dose reporting and archiving is being developed in-house. Continued GOJ budgetary shortfalls made it impossible to replace utility items such as field vehicles and ICENS continued to look for other sources of funding. At the invitation of the IAEA however ICENS submitted a request for a long overdue upgrade of its chemical and mineralogical laboratory equipment which will be implemented in step with the conversion of the Slowpoke research reactor core. With these upgrades and the support of the IAEA the Centre can now become a first class analytical laboratory hub able to more effectively support the work of national and regional research programmes.

Trace element speciation in soils

Geochemical research continues to focus on the speciation of trace elements such as cadmium 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 were studied.

Geochemical analysis of foodstuffs: a Jamaican national database on the chemistry of foodstuffs

As part of ICENS' continued efforts to provide support to Jamaica's agricultural sector and to help secure the nation's food safety and security, ninety-four (94) 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. Additionally three (3) composite samples were collected. The aim of this sampling is to use the analytical techniques available at ICENS to analyse the cassava samples for their content of beneficial elements and potential toxic elements as well. This may also lead to a determination as to what varieties potentially accumulate elements and whether this is significant enough to differentiate these varieties. Furthermore, the recent acquisition of an Ion Chromatography (IC) system should give ICENS the capability to measure the cyanide content of the cassava samples which will add another parameter to the investigation of varietal differences and the suitability of such varieties for various uses, such as pharmaceutical applications, the brewing industry and other non-traditional food applications.

ICENS continued to search for new ways to grow export-quality yams 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 and presently contains results of an estimated 1,100 analyses for up to 35 inorganic elements. It will eventually be made available for online reference by researchers through the ICENS web site.

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.

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 two cohorts of the programme. In the first investigation instrumental neutron activation analysis (INAA) was used to analyse both prepared leaf samples and the soils there were grown in and to use the trace element content of both to determine the provenance of the marijuana samples. As a proof of concept this proved to be successful and resulted in the completion of a thesis as a requirement of the degree. The second investigation involved the whole plant analysis of marijuana samples. Plants were separated into leaf, stem and bud compartments and analyzed to determine if particular trace elements accumulated preferentially in the varying plant tissue. This work also contributed to the successfully completion of the required M.Sc. thesis. This work has led to ICENS being invited to be a part of the quality testing infrastructure for the regulatory framework for medical marijuana

chaired and housed by the Bureau of Standards Jamaica. ICENS will be involved in the testing of soils for marijuana cultivation, particularly for heavy metals.

DATA SHARING

Data sharing has been a priority activity of ICENS since 1984 because ready access to existing information held by most Jamaican S&T institutions continues to be hard to achieve. Acquiring samples and data is expensive and the Centre can provide the continuous and objective curation that is critical for sustaining the integrity of the important national endowment of data and information resources. The advanced indexing of the ICENS EShare data repository system allows the retrieval, re-examination and re-interpretation of georeferenced samples and data collected over 30 years ago, so that they can be analysed using new techniques if necessary in-house or by other research laboratories.

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 : users include:

- Office of the Prime Minister (Environmental Management Division);
- Ministry of Agriculture (Rural Physical Planning Division (RPPD));
- University of the West Indies (Faculty of Pure and Applied Sciences and Department of Geography and Geology).

ICENS revised and restructured its web site during the year and started construction of an online viewer system for displaying selected island-wide geochemical maps for use by any enquirer.

NUCLEAR POWER

The long awaited Nuclear Safety and Radiation Act passed through both

houses of Parliament in July 2015. Although the Act explicitly prohibits the building of nuclear power plant at this time (due largely to the present lack 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. Nuclear power is a huge global industry supplying 16% of world electricity demand, with some countries (e.g. France) obtaining 80% of their power from low-enrichment (7% ^{235}U) nuclear sources. While shale oil derived from fracking is becoming competitive in countries such as the United States, it is not available in Jamaica and nuclear power continues to compete with coal in price. The price gap in favour for nuclear power is likely to increase over time with regulatory pressures to reduce emissions of carbon dioxide.

Nuclear power has less environmental impact than fossil fuels and, although 'up front' plant and fuel costs are high, users gain long term benefit from uranium fuel that provides decades of use with no risk of short-term fluctuations in market price. As a fuel uranium is also 100,000 times more powerful than oil: 1 kg of uranium produces 400 000 kWh while 1 kg of oil produces only 4 kWh. Until recently the size and costs of nuclear power reactors made nuclear energy impractical for smaller countries but a new generation of safe, small, high efficiency reactors (10-125 MWe) that can be factory manufactured as transportable modules exists as prototypes and could be available within ten years. Their use in Jamaica 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.

DESK STUDIES/REVIEWS

ICENS continued to progress the documentation contract work required by the US DOE to comply with conditions for the reactor core conversion. It also drafted a country specific Integrated Nuclear Security Support Plan (INSSP) for use by the new Jamaican radiation safety oversight committee within the Bureau of Standards Jamaica (BSJ) as an integral part of discussions between the IAEA Office of Nuclear Security and

stakeholders of the Radiation Safety Authority newly projected for Jamaica.

Documents produced to date include:

- Core Conversion Safety Analysis Report
- Safety Analysis Report for the SLOWPOKE-II with LEU fuel
- HEU defueling manual
- LEU commissioning manual
- Thermal Hydraulics and Neutronics for HEU and LEU fuel
- Radioactive material packing and shipping documentation
- Licensing plan
- Quality assurance plan
- Commissioning report
- LEU fuel information docket
- Modifications to operating license
- Training Plan
- Radiation protection plan
- Emergency response plan
- Security plan
- Environmental Impact Assessment

NEW PROJECTS

Strengthening Cradle-to-Grave Control of Radioactive Sources in the Caribbean Region

The Great Caribbean region is characterized by a significant maritime trade using the sea as a highway to facilitate the movement of persons and goods among seaside countries within the region. Associated with this traffic, occurrences have been reported at borders and inland of non-regulated trade accidentally involving radioactive sources or contaminated materials which need to be properly addressed upon positive detection. For years, the IAEA has been working on strengthening the control over

radioactive sources to avoid these occurrences and to protect the public and the environment from the hazards of ionizing radiation, as well as to prevent sources from becoming orphan. Against this background, a “cradle to grave” control of radioactive sources is essential, as promoted by the Code of Conduct on the Safety and Security of Radioactive Sources. This “Cradle-to-Grave” approach includes national policies and strategies, an adequate legal and regulatory framework, as well as adequate resources and infrastructures to ensure safe and secure management of radioactive sources. This project aims to contribute to establish and/or improve a sustainable, safe, adequate and permanent “cradle-to-grave” control of radioactive sources following a harmonized approach consistent with the IAEA Basic Safety Standards (BSS) and other international best practices. This project is scheduled to start running in 2016 with a four-year lifetime and would focus on countries within the Great Caribbean.

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 the next 30 to 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 is expected to commence in 2016 and last for four years.

Carbon biogeochemistry (carbon emissions and sequestration)

Dr Adrian Spence received a Mona Research Fellowship Grant Biogeochemical investigations of the response of regional terrestrial carbon inventories to global climate change – US\$46,000.00. A bench-top environmental carbon dioxide incubation chamber which will be used to carry out experiments under elevated CO₂ (13CO₂) atmosphere as a prerequisite to determining the fate of increasing atmospheric CO₂ concentrations. The environmental chamber will also provide us with the means to investigate the effects of global warming on the bioavailability and toxicity of risk elements soils. In addition, a density gradient gel electrophoresis (DGGE) system to assess the population dynamics of microbes (in particular the non-culturable fraction) in tropical soils in response to warming was also purchased. This is of special significance as the cycling of carbon in the environment cannot be understood without a molecular-level understanding of soil microbial biomass.

IAEA Coordinated Research Project (CRP-T33001)

ICENS received funding from the IAEA in the sum of 4,000 Euros 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 will be reviewed by the IAEA to determine if the contract will be renewed for another year, if requested.

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 research and services profile of the centre, and community engagement.

The developmental objectives for the proposed Programme include:

- To conduct AQ Monitoring and Source Apportionment Services
- Providing AQ Analytical Services to the Island and the Region
- To conduct Commissioned/Contract Research
- Training of Role Players; and
- Awareness and Capacity Building for local Communities.

Open system architecture for Neutron Activation Analysis (OpenNAA)

ICENS began a 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.

OpenNAA will maximise interoperability among hardware and software within the NAA application space, safeguarding these investments, and ensuring that all system components either purchased commercially or developed in-house will work together ‘out of the box’, at minimal cost.

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

- Spence A. Carbon sequestration in soils. In *Energy Science and Technology*; Chandra Sharma, U., Prasad, R., Shivakumar, S., Govil, J.N., Eds.; Studium Press LLC, USA, 2015; 1, pp 177–198.
- Nnenedi Kgabi, Charles Grant, Johann Antoine. Effects of Energy Production and Consumption on Air Pollution and Global Warming, *Journal of Power and Energy Engineering*, 2014, 2, 25–30, <http://dx.doi.org/10.4236/jpee.2014.28003>

Book Chapter

- Publication of the *Handbook of Mineral Elements in Food*. Edited by Miguel de la Guardia, Salvador Garrigues. Chapter 21: Vegetables and Fruits. **Leslie A. Hoo Fung, Johann M.R. Antoine, Charles N. Grant & Gerald C. Lalor.**

PAPERS PRESENTED

- **Warner, T.** An Integrated Management System (IMS) for JM-1 Slowpoke-2 Research Reactor in Jamaica: Experiences in Documentation. Conference Proceedings (Paper & Presentation) Canadian Nuclear Society 3rd International Technical Meeting on Small Reactors, Ottawa Canada November 5–7, 2014.
- **Dennis. H.T., Puig, F.** Neutronic analysis of the Jamaican SLOWPOKE-2 research reactor for the conversion from HEU to LEU fuel. Joint IGORR 2014/IAEA Technical Meeting on Enhanced Utilization of Zero Power Reactors and Subcritical Assemblies, Bariloche, Argentina, November 17–21, 2014.
- **Dennis. H.T., Puig, F.** Analysis of the Jamaican SLOWPOKE-2 research reactor for the conversion from HEU to LEU fuel. 35th International Meeting on Reduced Enrichment for Research and Test Reactors, Vienna, Austria, October 12–15, 2014.

- **Boyd C.O., Grant, C.N.** The International Centre for Environmental and Nuclear Sciences (ICENS) as a TSO in Enhancing Nuclear Safety and Security in Jamaica. International Conference on Challenges Faced By Technical and Scientific Support Organizations (TSOs) in Enhancing Nuclear Safety and Security: Strengthening Cooperation and Improving Capabilities. Beijing China, October 27–31, 2014.
- **Antoine, J.M.R., Hoo Fung, L.A., Grant, C.N.** Geographic Determination of the Growing Origins of Jamaican and International Coffee using Multi-Element Analysis. International Symposium on Food Safety and Quality: Applications of Nuclear and Related Techniques, Vienna, Austria November 10–13, 2014.
- **Rose, D., Clarke, J., Spence, A.** Plant Bacterization: An Option for Climate-Smart Agriculture Co-benefiting Food Security and Climate Change Mitigation and Adaptation. ACIDI/VOCA JaREEACH Climate Smart Agriculture Symposium – Positioning Jamaica's Agricultural Sector for Climate Change Resilience, Knutsford Court Hotel, July 16, 2015.
- **Hoo Fung LA., Rattray R., Lalor GC.** Assessment of cadmium, mercury and lead concentrations in Jamaican conch, lobster, and tilapia. 10th Faculty of Science and Technology Conference, UWI, Mona, June 9–11, 2015.
- **Hoo Fung LA., Rattray R., Lalor GC.** Contribution of some herbal (bush) teas to dietary cadmium exposure in Jamaica. Third International Conference on Cocoa, Coffee and Tea (CoCoTea), University of Aveiro, Portugal, June 22–24, 2015.
- **Antoine JMR., Hoo Fung LA., Grant C.N.** Elemental composition of Jamaican coffees. Third International Conference on Cocoa, Coffee and Tea (CoCoTea), University of Aveiro, Portugal, June 22–24, 2015.

INCOME GENERATION

ICENS received grants in excess of U\$ 500,000 for the 2014/15 from the USDoE to facilitate the core conversion process.

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 ;(RASIMS).

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



Professor Brian Meeks, BSc, MSc, PhD
Director

OVERVIEW

This was an outstanding year for the Institute as it continued to host a wide range of events, including a challenging annual conference held offshore in St Lucia, in honour of the hundredth anniversary of the birth of Nobel Laureate Sir Arthur Lewis, after whom SALISES is named. Among the main activities were:

1. SALISES and University College of London hosted a Conference entitled 'Beyond Westminster in the Caribbean Critiques, Challenges & Reform' September 11–12, 2014.
2. A Seminar entitled '1938 & Beyond Exploring the Roots and Legacies of Modern Jamaica' featuring Ewart Walters and Professor Colin Palmer. October 15, 2014.

3. The 9th staging of the SALISES, Caribbean Child Development Conference was held November 5–6th, 2014 at Jamaica Conference Centre, under the theme ‘Promoting the Rights of Children with Disabilities’.
4. The aforementioned SALISES annual conference celebrated as the W. Arthur Lewis Centennial Conference, January 14–16, 2015 in Castries St. Lucia, under the theme ‘Towards Caribbean Prosperity & Happiness in an Equitable & Sustainable World’
5. A Global Forum to mark the 100th anniversary of the birth of Lewis with a ten site teleconference on January 23, 2015, with SALISES as the local site host. The forum was used to recognize Lewis’ work and its continued relevance.
6. The book launch of former graduate student Dr. Annicia Gayle-Geddes’ ‘Disability and Inequality’ on March 31, 2015.
7. A joint panel presentation with the UWI Museum on Lewis entitled ‘Relevant as Ever in his Centenary Year: Illustrations from Caribbean Research’ on April 1, 2015.
8. The SALISES Political Economy and Public Policy Cluster (PEPP) in association with Florida International University’s Latin American and Caribbean Centre held a one day planning meeting of experts on April 1, 2015. The meeting was used to organize and plan for the implementation of a project of strategic collaboration focusing on economic growth, equity and stability in the English speaking Caribbean. Attendees included persons from the Central Bank of Suriname, Caribbean Congress of Labour, University of Guyana and CARICOM.

STAFF MOVEMENTS

Professor Mark Figueroa, joined SALISES in August 2014 as Professorial Fellow. Professor Brian Meeks who has served as SALISES Mona Director since 2009 and Regional Director since 2013, retired from both posts and from the University of the West Indies. Miss Helen Fox, Data Bank Manager also retired from SALISES this year. Dr Pat Northover returned

at the end of the year from Duke University where she had been resident as a Mellon Fellow from January 2015 and is starting her sabbatical for 2015–2016. Professor Patsy Lewis proceeded on Fellowship leave where she will be a Visiting Scholar at Brown University.

STUDENT MATTERS:

Graduating Class of 2014/2015

The academic year 2014–2015 ended with eleven (11) students being awarded the MSc degrees. The breakdown was as follows:

Table 1. MSc Graduating Class 2014/2015 by Programme and Gender

	Governance and Public Policy	Development Policy	Social Policy	Total
No. of Students by programme	0 (M= 0; F= 0)	10 (M= 1; F=9)	1 (M=1; F= 1)	11 (M=2; F=9)
Full-Time	0	1 (M=0; F=1)	0	1 (M=0; F= 1)
Part-Time	10	9 (M=1; F=8)	1 (M= 0; F=1)	10 (M=1; F=9)

In summary:

MSc. Governance and Public Policy: 0
 MSc. Development Studies 10
 MSc. Social Policy 1
 MSc. Economic Development Policy 0

PhD 2014–2015

One (1) student was awarded the PhD degree in Economic Development Policy during the academic year.

PhD – Economic Development Policy – Wing Tsang

MSc Students (2015/2016)

Eleven (11) students accepted the offer and registered for the 2015/2016 academic year, with three (3) being part-time students and eight (8) being full-time students. The breakdown was as follows:

Table 2. Registration for New MSc Students (August-September): 2015/2016 by Programme and Gender

	MSc. Development Studies	Total
No. of Students by Programme	(M=1; F=10)	11
Full/Time	(M=0; F=8)	8
Part/Time	(M=1; F=2)	3

Returning MSc Cohort 2014/2015

Table 3. Registration for Returning MSc Students 2014/2015 by programme and gender

	Governance and Public Policy	Economic Development Policy	Social Policy Development	Development Studies	Total
No. of Students by programme	0 (M= 0; F= 0)	0	0 (M=0; F= 1)	0 (M=0; F= 1)	10
Full-Time	0	0	0	0	0
Part-Time	0 (M=0; F= 0)	0	3 (M= 2; F=1)	9 (M=1; F= 8)	9

A total of twenty one (21) returning MPhil/PhD students were registered for the academic year 2014/2015. The breakdown was as follows:

Table 4. Returning Cohorts – MPhil/PhD Registrations, 2014/2015 programme and gender

	Governance and Public Policy	Economic Development Policy	Social Policy Development	Total
No. of Students by programme	7 (M= 2; F= 5)	6 (M= 4; F=2)	8 (M=0; F= 8)	21
Full-Time	3 (M=0; F= 3)	0 (M=0; F=0)	0	3
Part-Time	4 (M=2; F= 2)	6 (M= 4; F= 2)	8 (M= 0; F=8)	18

RESEARCH PAPER (SALI 6060) FOR 2014

One (1) student wrote the Research Paper (SALI 6060) for 2014/2015. The breakdown is as follows:

Governance and Public Policy:	0
Economic Development Policy:	0
Social Policy:	1
Development Studies	0

Table 5. Net Income from SALISES Degree Programmes, 2014/2015

Net Income	J\$
MSc, MPhil, PhD	11,950,403.86 (July, 2015)

DOCUMENTATION CENTRE

Thelma White, Librarian

The Documentation Centre continued to cater to the staff and students of SALISES as well as members of the wider UWI community through its offerings of library and information services. Staff and graduate students were able to enjoy the facilities and services which included reference service, photocopying, interlibrary loans, and access to databases. External users, both local and international, including visiting researchers, alumni, local and overseas graduate students, have also utilized the services.

The year has been eventful with a few changes made to its infrastructure. A substantial weeding and reorganisation of the stacks was conducted to accommodate several donations of books and documents from outgoing members of staff including the Director. A corner in the reading area of the library was redone to improve the appearance and become more comfortable. The back of the wall was painted; and a re-upholstered chair and a wall painting were installed.

The Doc Centre continued its work on adding its collections to the ALEPH integrating system which was installed by Main Library. All the collections in the main reading area except books donated by research fellows for their students have been processed and added. Concentration will now be on books that were donated to the Doc Centre throughout the year.

Other highlights of the activities during the year included:

- The Doc Centre was renamed to Norman Girvan Documentation Centre. A new signage was mounted at the entrance and the old one removed.
- Periodic displays mounted throughout the period with two notable ones being
 - Posters to commemorate the 100th anniversary of the birth of Sir Arthur Lewis in St. Lucia

- SALISES Seminar “1938 and Beyond: Exploring the Roots and Legacies of Modern Jamaica”
- The SALISES was represented at the Mona Research Days held February 9–11, 2015 through the mounting of a display depicting the functions and activities of SALISES. The activity was coordinated by the Documentation Centre and Data Bank staff. Areas of focus at the booth were some 50/50 seminars, graduate work, the MSc programme, posters on Sir Arthur Lewis, the Annual Child Research conference, as well as a display of publications done by SALISES fellows and other members of staff.
- The Doc Centre was slated to become the repository for articles for UWIHARP. These articles relate to HIV/AIDS in the Caribbean. Training was held for staff on using the database and adding articles to the database.
- The collections received a substantial boost with the donations of books and other materials from professors Brian Meeks and Patsy Lewis and Dr Michael Witter.

PUBLICATIONS SECTION

Annie Paul, Senior Publications Officer

Sales Report (August 1, 2014–July 31, 2015)

	US\$	JA\$
SES Subs	9,716.00	
SES royalties	8,818.44	
JAMCOPY royalties		251,507.89
Walk-in sales (SES)	370.00	39,000.00
Walk-in sales (Special Books)		43,038
Total	US\$18,904.44	JA\$333,545.89

SOCIAL AND ECONOMIC STUDIES (SES)

Off press:

- Volume 63: Nos. 2 & 3. Special issue guest edited by Terry Ann Gilbert on Youth
- Volume 64: 1, March 2015. Special issue guest edited by Aldrie Henry-Lee on Children's Rights
- Volume 64: 2, June 2015 General issue

DEREK GORDON DATA BANK

Helen Fox, Data Bank Manager and Richard Leach, Information Technology Officer

Members of the SALISES staff would like to thank Miss Helen Kristin Fox for her exceptional services rendered to the Derek Gordon Databank, since its inception in 1994. We wish you all the best on your Retirement and may the Heavenly Father continue to bless you and your family.

A. Data Acquisition.

During the year, the Databank added the Jamaica Census 2011, the SLC 2012 and datasets from the National Council on Drug Abuse (NCDA) to its collection.

B. Data documentation

During the 2014/15 period, the Data Bank started to use an updated version of the cataloguing tool, NADA, for online documentation of all data sets. NADA is a free web-based cataloguing system that serves as a portal for researchers to browse, search, compare, apply for access, and download relevant census or survey information. Most of the data sets documented under the old Nesstar Publisher / CDRom Builder Microdata Management Toolkit were converted to NADA. These can be viewed on the Derek Gordon Data Bank webpage (<http://www.uwi.edu/salises/databank.php>).

C. Software

Designed and maintained websites for:

1. Caribbean Youth Development Conference, 2015
2. Caribbean Child Research Conference, 2015

Web page maintenance:

1. SALISES website
2. SALISES 16th Annual Conference (The W Arthur Lewis Centennial)
3. Conference on “Beyond Westminster in the Caribbean: Critiques, Challenges and Reform”
4. SALISES blog
5. SALISES Facebook
6. Caribbean Child Research Conference Facebook
7. SALISES YouTube Channel

D. ICT Infrastructure development

- Supervised Audio-Visual installation in Seminar Room
 - o Managed the vendor selection process
 - o Provided technical advice and support for the acquisition of project equipment and technology
 - o Coordinated technology installation and commissioning

E. Hardware

- Procurement of new Desktops and Laptops
- Computer repair and maintenance
- Provided first line maintenance for SALISES PolyCom Video-conferencing system

F. Technical Support to Researchers and Students

- Provided technical advice to postgraduate students
- Prepared tabulations, charts, etc. for teaching and research purposes
- Prepared datasets for students and other researchers
- Supervised 2 MSc and 1 MPhil/PhD students (Miss Fox).
- Provided technical assistance to staff members

G. Seminars and conferences

1. Preparation, including creating, formatting and printing, of all documentation (programme, posters, labels, nametags, nameplates etc.) for seminars and conferences e.g. Caribbean Child Research Conference, SALISES 16th Annual Conference, Beyond Westminster in the Caribbean Conference
2. Managed the IT services for all seminars and conferences held during the year
3. Managed Health group for 50-50 conference
4. Provided management support at conferences

H. Income Generation

The Data Bank was able to generate a total of three hundred and fifteen thousand five hundred and nine dollars (\$315,509) during the 2014/15 academic year from printing services rendered to students and rental of the computer lab. Table 1 below shows the breakdown of income generated by the Derek Gordon Data Bank.

Table 1: Breakdown of income generated by the Data Bank

Income Source	Amount
Printing (August to December, 2014)	\$35,849.00
Printing (January to April, 2015)	24,160.00
Printing (May to July, 2015)	26,500.00
Computer Lab Rental*	\$229,000.00
Total	\$315,509.00

*Cost includes usage of lunch room

PAPERS PRESENTED AT CONFERENCES/ GUEST LECTURES

Figueroa, Mark

- “Simple Mathematical Inequalities that Elucidate the Underdevelopment of National Economies.” Paper presented at Conference on the Economy: Addressing Contemporary Local and Regional Challenges for Sustainable Development, UWI, St Augustine, October 9–10. 10 pages. 2014
- “Gender & Education: Who is Underachieving, Why & What Next?” Presented at the 19th Conference of Commonwealth Education Ministers Stakeholders Forum on Quality Education for Equitable Development: Performance, Paths and Productivity, Paradise Island, The Bahamas, June 22–25. 15 slides, 2015.
- “Understanding and Addressing Gender Inequalities in Education.” Presented at the 19th Conference of Commonwealth Education Ministers Civil Society Forum on Education and Sustainable Development in Small States: The Quality and Equity Imperatives, Paradise Island, The Bahamas, June 20–21. 17 slides, 2015.
- “Restrictive Gendering, Adverse Male Outcomes and the Shifting Gender Structure of Caribbean Societies.” Presented at the Contemporary Caribbean Masculinities Project Launch, Institute for Gender and Development Studies, UWI Regional HQ, Kingston, April 29. 22 slides, 2015.
- “Lewis in the Balance.” Presented at UWI Museum and SALISES Panel, W Arthur Lewis, Relevant as Ever in his Centenary Year: Illustrations from Caribbean Research, UWI Regional HQ, Kingston April 1. 21 slides, 2015.
- “What Do We Now Know about Lewis and What Is There Left to Explore?” Closing Plenary at the 16th Annual SALISES Conference, Celebrated as The W Arthur Lewis Centennial, St Lucia, January 14–16. 35 slides, 2015.
- “W Arthur Lewis; His Work and Legacy.” Presented at the W Arthur Lewis Centenary Launch, Caribbean Development Bank HQ, Barbados, November 17. 29 slides, 2014.

- “Underachievement of Males: Productivity vs Masculinity.” Guest Presentation at Generation 2000 Forum, UWI Mona, Main Library, October 28. 36 slides, 2014.
- “Future Directions for Caribbean Economies.” Round-table presentation at Conference on the Economy: Addressing Contemporary Local and Regional Challenges for Sustainable Development, UWI, St Augustine, October 9–10, 2014.

Gilbert-Roberts, Terri-Ann

- Youth Leadership Development and CARICOM Governance: An Assessment of the CARICOM Youth Ambassadors’ Programme”, paper presented at the 16th Annual SALISES Conference – The W. Arthur Lewis Centennial, under the theme: “Towards Caribbean Prosperity & Happiness in an Equitable & Sustainable World”, January 14–6, 2015, St. Lucia
- “Regionalism and Global Governance: The role of CARICOM and CELAC in Development Agenda-Setting Beyond 2015”, paper presented to the International Studies Association (ISA) Annual Convention, under the theme: “Global IR and Regional Worlds: A New Agenda for International Studies”, 18th–21st February 2015, New Orleans, USA

Henry-Lee, Aldrie

- Convention on the Rights of the Child (CRC) and Caribbean children. Paper presented on January 16, 2015 at the 16th Annual SALISES Conference, Celebrated as the W. Arthur Lewis Centennial “Towards Caribbean Prosperity & Happiness in an Equitable & Sustainable World” January 14–16, 2015, Rodney Bay/Castries St. Lucia.
- Child Poverty, Child Rights in small developing states (SIDS): The Case of the Caribbean. Paper presented on November 19, 2014. “Child Poverty, Youth (unemployment) and social inclusion. Athens, 19–21, November 19–21, 2014.
- Poverty, Social Protection and Child Disability in Jamaica. Paper

presented at the 9th annual Caribbean Child Research Conference, November 5, 2014. Jamaica Conference Centre, Kingston, Jamaica.

- I also have an opinion too and I have a right to express my opinion. Guest Speaker at the Child Development Agency 10th Anniversary Poster Competition, February 5, 2015, 10 am. Tom Redcam Library, Kingston, Jamaica, 2015.
- Endangered Childhood: A risk to all. Guest Speaker at the Rotary Club of Portmore Installation, July 11, 2015.

Meeks, Brian

- Beyond the End of Sovereignty: Recapturing Space for Humanity in the Caribbean”, Ninth Annual Dame Eugenia Charles Memorial Lecture, Roseau, Dominica, November 27.
- “Beyond the End of Sovereignty: Difficult Choices for the Caribbean”, Invited lecture, Department of Africana Studies, Brown University, November 10.
- Conference Organizer (with Kate Quinn, UCL), “Beyond Westminster in the Caribbean: Critiques, Challenges and Reform”, UWI Regional Headquarters, Mona, September 11–12.
- “Whither Westminster; Whither Democracy?” Closing address “Beyond Westminster in the Caribbean: Critiques, Challenges and Reform”, UWI Regional Headquarters, Mona, September 11–12.

Northover, Patricia

- “From Process to History: Black Holes, the Will to Improve and the Limits of Lewis' Theory of Economic Growth. Power point and conference Paper 14 pages SALISES 16th Annual Conference, The W. Arthur Lewis Centennial, Towards Caribbean Prosperity and Happiness in a Sustainable and Equitable World, January 14–6th, St Lucia, Rodney Bay, Castries.
- Northover, P and Michaeline Crichlow, ‘Land Grabs’ and the Politics of Space, Place and Race – Mapping the effect of ‘sweetness and power’ in Africa.” Power point and Conference paper 20 pages.

Race and Rurality in the Global Economy, Duke University, African and African American Studies, March 26th–28th, 2015, Durham, USA.

- “The Hunger Crop? Sugar, Imperial Debris and the Struggle for Development as Justice in the Caribbean and Beyond” Wednesdays at the Center, Mellon Talk, Paper 15 pages. Duke Center for Latin American and Caribbean Studies, John Hope Franklyn Center, March 25th 2015.
- “Land Grabs and Racial Governmentality” Power point and paper, 20 pages. Investment and International Land Deals in the Tropics: Who owns the tropics? Department of Forestry and Natural Resources North Carolina State University, April 17, 2015.
- “The Coloniality of Freedom: Why Sen’s Development as Freedom is not enough,” power point and conference paper, 15 pages, 21st Annual MURAP conference, Colonialisms: A Global Perspective, University of North Carolina, Chapel Hill, USA, July 23–24th, 2015

Tindigarukayo, Jimmy

- Impact of Migration to North America on Caribbean Countries, presented at the annual conference of the Canadian Association for the Study of International Development, University of Ottawa, June 3, 2015.
- Occupation Safety and Health (OSH) within Enterprises in Kingston, Jamaica, presented at the 16th Annual Conference of the Sir Arthur Lewis Institute of Social and Economic Studies (SALISES), Rodney Bay, St Lucia, January 14–6, 2015

PUBLICATIONS

Books

Meeks, Brian

- *Critical Interventions in Caribbean Politics and Theory*, The University Press of Mississippi, Jackson, December 2014 (260 pages)

- *Freedom, Power and Sovereignty: The Thought of Gordon K. Lewis* (ed.) with Jermaine McCalpin, Ian Randle Publishers, Kingston and Miami, December 2014 (210 pages)

Refereed Journal Articles

Gilbert-Roberts, Terri-Ann

- “Introduction: ‘Youthscapes’ of Development in the Caribbean and Latin America”. *Social and Economic Studies*, 63: 3&4: 1–21. (Guest Editor of Special Issue on Youth) 2014, September/December.
- “Governance of Youth Development in CARICOM: Prospects for Regional Citizenship”. *Social and Economic Studies*, 63: 3&4: 59–106. 2014, September/December.

Henry-Lee, Aldrie

- A Child’s Right to Health in the Caribbean. *Social and Economic Studies*. Volume 64, Number 1. March 2015. (Special issue). Sir Arthur Lewis Institute of Social and Economic Studies. Mona Campus, University of the West Indies, Jamaica, 2015.
- Citizens-at-Risk: Children of the Caribbean. *Social and Economic Studies*. Volume 63, Numbers 3 & 4. September/December 2014. Sir Arthur Lewis Institute of Social and Economic Studies. Mona Campus, University of the West Indies, Jamaica, 2015.
- (Guest Editor) Reflections on the Adherence to Child Rights in the Caribbean. *Social and Economic Studies*. Volume 64, Number 1. March 2015. (Special issue). Sir Arthur Lewis Institute of Social and Economic Studies. Mona Campus, University of the West Indies, Jamaica. 2015
- (Guest Editor) Child Rights in the Caribbean. *Journal of Eastern Caribbean Studies*. Volume 38, No. 4, December 2013. Sir Arthur Lewis Institute of Social and Economic Studies. Cave Hill Campus, University of the West Indies, Jamaica.

Meeks, Brian

- “Los Acontecimientos: Dudus en Jamaica y el Futuro de las Políticas Caribenás”, in Luis Suarez Salazar and Gloria Amezcuita (eds.) *El Gran Caribe en el Siglo XXI: Crisis y Repuestas*, CLACSO, Buenos Aires, 2013, pp.247-267.

Refereed Book Chapters

Gilbert-Roberts, Terri-Ann

- “Caricom Cincuenta-Cincuenta: Renovar el liderazgo ideacional a través de asociaciones entre jóvenes y adultos”. In Laguardia-Martinez, Jacqueline. *El Caribe, sus islas y el difícil camino de independencia, identidad e integración. La Habana: Ruth Casa Editorial*, (pp. 59–77), 2014.

Lewis, Patsy

- ¿Adónde va la integración caribeña? Refundiendo los cimientos de un nuevo proyecto de integración, in *El Caribe: independencia, identidad e integración* Coordinado por: Jacqueline Laguardia Martínez Editorial Ciencias Sociales, *La Habana*. 2015
- ‘Remembering October 19: Reconstructing a conversation with a young female NJM candidate member about her recollections of October 19, 1983’, in Wendy Grenade (ed.), *Transitions in Caribbean Politics: Reflections and Lessons of the Grenada Revolution*. University of Mississippi Press. 2015
- Patsy Lewis and C Kirton (2015), ‘Migration and Remittances in Development: A Study of Jamaica’, Chapter 7 in Khonje, WH (Ed.), *Migration and Development: Lessons from Small States*, Commonwealth Secretariat, London. 2015
- Claremont Kirton and Patsy Lewis (2015), ‘Guyana Country Case Study’, Chapter 5 in Khonje, WH (Ed.), *Migration and Development: Lessons from Small States*, Commonwealth Secretariat, London.
- Jessica Byron and Patsy Lewis, January 2015, ‘Sovereignty/

Vulnerability/Development Dilemmas: Small Territories and Regional Organizations in the Caribbean', in Danielle PERROT (dir.), *Collectivités territoriales et organisations régionales - de > l'indifférence à l'interaction (Territorial Collectivities and Regional Organizations: From Indifference to Interaction)*. Paris, L'Harmattan, Collection GRALE 2014, 481 pages, ISBN 978-2-343-05111-6.

Meeks, Brian

- "Black Power Forty Years On: An Introspection', in Kate Quinn (ed.) *Black Power in the Caribbean*, University Press of Florida, 2014, pp. 261–274.

Non-Refereed Articles

Figueroa, Mark

- "Caribbean Economics." In Routledge *Handbook of the History of Global Economic Thought*, edited by Vincent Barnett, 149-57. London: Routledge, 2014

Work in Progress/Forthcoming

Henry-Lee, Aldrie

- (Editor), *Pathways to Action: Social Policy in the Caribbean*. Ian Randle Publishers, Kingston, Jamaica (Edited book)
- Henry-Lee, Aldrie. *Children in Policy Process in Jamaica in Henry-Lee, Aldrie (Editor), Pathways to Action: Social Policy in the Caribbean*. Ian Randle Publishers, Kingston, Jamaica

Lewis, Patsy

- Kristen Lowitt, Arlette Saint Ville, Patsy Lewis, Gordon Hickey (eds.) (2015), Global change and food security: The special case of small island developing states. *Journal, Regional Environmental Change*.
- Patsy Lewis, Gary Williams, Peter Clegg, *Grenada: Revolution and Invasion*. UWI Press.

Meeks, Brian

- “Portia Simpson Miller” in Henry Louis Gates Jr and Franklin W. Knight (eds.) *Dictionary of Caribbean and Afro-Latin American Biography*, 2015.

Northover, Patricia

- Northover, P and Crichlow M. “Notes on the journey towards the future: Negritude, Abject Blackness and the Emancipatory force of Spectrality.” For the *South Atlantic Quarterly Journal*.
- Crichlow, M and P Northover “On Mistaking the Map for the Territory: Creolization and the ‘politics of place’ in the Caribbean and the World.” Forthcoming *Small Axe*.
- From Process to History: Black Holes, the Will to Improve and the Limits of Lewis’ *Theory of Economic Growth*. For *Explaining Economic Growth*, 2014.
- Northover, P and Michaeline Crichlow, “‘Land Grabs’ and the Politics of Space, Place and Race– Mapping the effect of ‘sweetness and power’ in Africa.” For *Race and Rurality in the Global Economy*.

On-going Work

- Explaining Economic Growth – single authored text
- Race and Rurality in the Global Economy, edited collection with Michaeline Crichlow, (Duke University).
- Raising Cane: Recycling Sweetness and Power in the Jamaican Postcolony – single authored text

RESEARCH ACTIVITY/RESEARCH GRANT

Henry-Lee, Aldrie (2014– present). Co-Principal Investigator. The Social Determinants of Health in Jamaica. Mona Campus Principal’s New Initiative Programme. Principal Investigator: Heather Ricketts, Department of Sociology, Psychology and Social Work, Mona Campus, Jamaica.

AWARDS & SCHOLARSHIPS

Northover, Patricia

- Most Outstanding Researcher University of West Indies, Faculty of Social Sciences, 2014
- Best Publication Award; University of West Indies, Faculty of Social Sciences (Global South, 2012, 6 (1): 66-86.) 2014
- Research Project with Greatest Multidisciplinary/Cross Faculty collaboration; University of West Indies, Faculty of Social Sciences). Gender and Youth Assessment: Jamaica REEACH Project, 2014

UNIVERSITY SERVICE

Figueroa, Mark

- Played a lead role in the organization of activities to mark the centenary of the birth of W Arthur Lewis
- Co-Chair, SALISES W. Arthur Lewis Centennial conference in St Lucia
- Assisted in the planning of the joint UWI Museum/SALISES forum to launch W Arthur Lewis exhibition
- Served as Chair of the multisite video conference Global Forum to mark the 100th Anniversary of the birth of W Arthur Lewis sponsored by UNESCO on the initiative of the St Lucian Government, with participants from UNESCO Headquarters and the Jamaica Office, Caribbean Development Bank, Central Bank of the Eastern Caribbean, and the Universities of Guyana and Manchester, as well as Princeton, UWI Mona, and UWI Open Campus St. Lucia; the latter which involved a range of participants including representatives from state and governmental organizations.
- Assisted UWI Museum in collecting material from children who grew up at Mona, and their families which included a taped session held in July involving more than ten such persons with others pledging to participate in the venture.

- Served on the Faculty of Social Sciences Research Day Awards Committee
- Presented at the annual UWI Long Service Awards Ceremony on behalf of those honoured.

Fox, Kristin

- Member of Faculty of Social Sciences ICT Steering Committee
- Member of Steering Committee – Caribbean Youth Development Conference
- Member – Ethics Committee

Gilbert-Roberts, Terri-Ann

- Member, Faculty of Social Sciences Teaching and Learning Committee

Henry-Lee, Aldrie

- FSS Associate Dean for Undergraduate Studies (Teaching and Learning)
- Coordinator, MSc Programme, SALISES
- Chair, Social Policy Cluster SALISES 50/50 Project
- Member of the Mona Campus AQAC Committee

Lewis, Patsy

- Coordinator, MPhil/PhD programme 2012–2015
- Chair, SALISES MPhil/PhD review committee 2014–015
- Chair, SALISES Regional Integration Research Cluster 2010–
- Chair, SALISES Grenada research cluster 2010–
- Member of FSS Graduate Sub-Committee. 2012–2015

Meeks, Brian

- The Public Orator, UWI Mona (2006–2014) Sixty Five Citations.
- Member of UWI Mona Appointments Committee (2007–June 2015)

Newman, Nadine

- Library Liaison with UWI Bookshop
- Member, SALISES Integration Conference Committee
- Mentor, UWI Mentorship Programme
- SALISES Safety Coordinator/OSHE Representative
- Chair, SALISES Projects Committee

Northover, Patricia

- SALISES Research Committee
- Chair, Sustainable Rural and Agricultural Development Cluster
- Member of Faculty of Social Science Graduate Sub-committee; Chair David Tennant.
- Member of Strategic Transformation Group – Research and Innovation, Chair, Arlene Bailey.
- Co-chair, Sustainable Investment, Environment and Development Group, chaired with Dr Barbara Carby, Director Disaster Risk Reduction Center, Institute for Sustainable Development

Paul, Annie

- Reviewed the following manuscript for UWI Press. “The Terror and the Time: Banal Violence and Trauma in Caribbean Literary & Popular Narratives” 2013
- Board member, MSBM Business Review

White, Thelma

- UWI Facilitator – First Year Students’ Experience

PUBLIC AND PROFESSIONAL SERVICE

Fox, Kristin

- Member of Steering Committee – Jamaica Survey of Living Conditions
- Member – Early Childhood Commission Research committee

Gilbert-Roberts, Terri-Ann

- Member, CARICOM Technical Working Group on Youth Development

Henry-Lee, Aldrie

- Board Member, Child Development Agency (CDA)
- Member of the the Planning Institute of Jamaica’s Inter-sectoral Committee for the development of the National Policy on Poverty and National Poverty Reduction Programme
- Chair, Caribbean Child Research Conference 2014
- Moderator: Session on With Rights comes Responsibilities, National Children’s Summit, Jamaica Conference Centre, Kingston, Jamaica, August 25, 2015.
- Trainer session on “Chairing a meeting/conference session” of the members of the Children CDA Advisory’s Board in preparation for the National Children’s Summit, August 25, 2105.

Lewis, Patsy

- Member of the University Hospital Board of Management
- Member of the following sub-committees of the University Hospital of the West Indies Board of Management:
 - Member UHWI Strategic Planning Committee
 - Human Special Resources Advisory Committee
 - Nursing Advisory Committee
- Member of the Board of Trustees, University Hospital of the West Indies Superannuation Scheme
- Member, American International School of Kingston (AISK) Endowment Fund Scholarship Committee
- Member, Advisory Committee to the Jamaica Trade Boar
- Member, Executive, Jamaica Cambridge Society

Meeks, Brian

- Member, Board of Directors, Planning Institute of Jamaica (PIOJ)
- Adjudicator, ‘Best Academic Book’, Eleventh Biennial Book Industry Association of Jamaica Publishing and Writing Awards

Newman, Nadine

- Member, Library and Information Association of Jamaica (LIAJA)
- Member, Research and Publications Working Party, LIAJA
- Member, Socio-Economic Information Network (SECIN)
- Member, American Library Association (ALA)
- Member, Association of College and Research Libraries (ACRL)
- Member, Association of Caribbean Higher Education Administrators (ACHEA)
- Assistant Secretary, Chancery Hall Citizen Association

Northover, Patricia

- Excelsior High School Student welfare/Chair of the LHS scholarship fund

Paul, Annie

- Co-chair of the programme committee for JAMCOPY’s @OnlineMind Digital Publishing conference to be held in Kingston from November 2–5, 2015.
- Served on the founding committee of the Lignum Vitae writing awards and the Cultural Fund sub-committee of JAMCOPY

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.

White, Thelma

- Chair, Advocacy, Library and Information Organization (LIAJA)
- Sunday School Superintendent, Braeton New Testament Church

THE BIOTECHNOLOGY CENTRE



Professor Helen Asemota, BSc, *Univ. of Benin, Nigeria*, MSc, *Ahmadu Bello University, Nigeria*, PhD, *Univ. of Benin/Frankfurt, Germany*
Director

WORK OF THE CENTRE

In the period, August 1st 2014–July 31st, 2015, the activities of the Centre focused on research training, and teaching, and were augmented with rendering of bioservices to the wider community, greater pre-commercialization activities for research products, and improved publicity through orchestrated participatory outreach/collaboration.

RESEARCH

The main areas of research in the year involved:

- Agro-based studies including medicinal plants, yams, moringa, forestry preservation, molecular virology, as well as study of begomoviruses and other viruses associated with citrus, potato, cucurbits and other crops.

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- Biomedical research focused on investigations of the glycemic indices of Jamaican foods including root and tuber crops and analyses of mechanism of action of supplements or secondary metabolites in animal model of diseases such as diabetes, hypercholesterolemia in collaboration with the Basic Medical Sciences Department and the Scientific Research Council (SRC).
- Drug Abuse research was also pursued in collaboration with experts from the Psychiatry and Community Health Department, and Maryland, USA.
- Biomagnetic Therapy and associated metabolic effects in disease states in collaboration with the Department of Basic Medical Sciences and Physics and a physicist in North Carolina

TEACHING

The academic members of the Centre (Professor Asemota, Dr. Roye, Professor Tennant, and Dr. Mitchell) were involved in teaching at both undergraduate and postgraduate levels either within the Department of Basic Medical Sciences, FMS, or the Department of Life Sciences, FST, or FST main courses. The courses taught in the Department of Basic Medical Sciences by staff included: Biotechnology I, Biotechnology II, Molecular Biology I, Molecular Biology II, Introduction to Microbiology and Molecular Biology, Food Microbiology and Biotechnology, Plant Biotechnology, 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, staff taught in Molecular Biology & Genetics, Principles of Plant Biotechnology, Virology, and Plant Biotechnology, and in “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 main FST courses taught are Science Medicine and Technology, Principles of Plant Biotechnology and Research Skills and Practices in Biology. This was done in addition to the training and supervision of postgraduate students of the Centre.

New Graduate Programme:

Approval was received for the M Sc in Biotechnology programme in July 2015, for starting at Mona Campus in September 2015. The Biotechnology Centre collaborated with St. Augustine in developing this new programme.

BIOSERVICES

The Centre renders bioservices to the National Environment and Planning Agency (NEPA), under an MOU agreement. During the period under review, this earned the Centre the sum of one hundred and sixty nine thousand dollars (J\$169,000.00).

FOREIGN VISITS

Dr. Marcia Roye visited the University of Toronto, Mississauga to work with Dr. David McMillen, Department of Chemical and Physical Sciences, using yeasts to develop cheaper blood tests. Typically blood tests for the detection of different diseases are very expensive. The technology development on which both are collaborating would reduce the associated costs of blood tests significantly. Dr. Roye also made a seminar presentation entitled “Virus Evolution: HIV Drug Resistance and Geminivirus Research in Jamaica” to an audience of about fifty academic staff and postgraduates.

The Director of the Centre, Professor Asemota, participated as one of the University of the West Indies’ Representatives to Cartagena, Colombia, for the period September 1–5, 2014 under the second phase of the SUE-CARIBE Joint Research Project Programme. The areas of research for which she was responsible, along with her Colombian counterpart, the Director of the Biotechnology Centre of the University of Cordoba, Prof. Isidro Suarez, included: Genetic characterization of yam germplasm in Colombia and the Caribbean (Jamaica and Trinidad); Characterization of yam cultivars for phytoesterol content; Yam Gene Bank for food security; Value-added yam products development. Professors Asemota and Suarez made a joint presentation on the Application of Biotechnology

for Tuber crops improvement and byproducts development. Before the Conference ended, Professor Asemota was asked to give a talk on ways of maintaining high publication rate in academia. This was well received and appreciated by the audience.

COLLABORATION

The Centre collaborates internally with various Departments in the FMS and FST for Research and Teaching, especially the Departments of Basic Medical Sciences, 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, neighboring universities/research institutions and foreign institutions who render help as supervisors/co-supervisors/advisors for our postgraduate students.

Through collaboration with the Yucatan Center for Scientific Research (CICY), Mexico, the Centre hosted the Visit of Dr. Carlos Borroto in collaboration with the IICA, Jamaica. The follow up is that 2 UWI staff members were invited to participate in the In Vitro Clonal Propagation of Tropical Plants Training Programme offered by the CICY in collaboration with Faculty of Food and Agriculture, UWI St Augustine, Trinidad and Tobago, where the training programme was hosted from June 15–26, 2015. Dr. Sylvia Mitchell received further training in in vitro technologies with a certificate of achievement at the end of the programme.

Our current list of international and local collaborators include: Morehouse School of Medicine, USA; School of Pharmacy, Roosevelt University, USA; SUNY Binghamton, USA; Timeless Herbal, Canada; University of Toronto, Mississauga, Canada; Albany State University, USA; University of Salento, Italy; Cordoba University, Colombia; Redeemers University, Nigeria; Trees that Feed Foundation, Illinois, USA; University of California, Davis (UC-Davis); Bamboo Project, Government of Jamaica; Bureau of Standards, Jamaica; JAMPRO; 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; Northern Caribbean University; STEA; Scientific Research Council (SRC); Peckham Development Council

SPECIAL PROJECTS

Yam Starch & Products' Precommercialization Project

Approval was received through the Office of the Principal for the commencement of the Yam Products Precommercialization (Pilot) Project which commenced August 1, 2014, at the Biotechnology Centre. The objectives are to determine operational costs, and effect scale up of production of the developed Biotech Yam Value-added Products as well as modified yam starch for use in pharmaceutical formulations. The project's PI is Professor Helen Asemota while Dr. Alexia Harvey, was employed as the Research Fellow, effective August 1, 2014. On Monday December 1, 2014, Mr. Jordan Freeman joined the staff of the Biotechnology Centre in the capacity of Research Assistant on the Pre-commercialization project. The Centre collaborated with the UWI-Hosang Group and the Mona School of Business and Management (MSBM) to prepare interested students of the Yam Biotechnology Research Group for the prestigious Victor Hosang Venture Competition, using their Yam and Moringa value-added research products. The two groups that entered the competition and the student members are:

1. 'Yamaica': Kenroy Wallace, Keaton Logan, Channalee Wilson and Melissa Williams
2. 'NutraFarms Ja': Racquel Wright, Nikashae Scott, Danielle Stephenson, Carlton Barrows and Lowen Williams

The finals were held on Friday, the 22nd of November 2014 where Group 'Yamaica' won two hundred and fifty thousand dollars (\$250,000) and was placed third in the competition with yam spread products. The participation of the students was coordinated through the Centre's Yam Products Pre-commercialization Project's Research Fellow, Dr. Alexia Harvey with the support of the Principal Investigator, Professor Helen Asemota. Dr. Chadwick Anderson of the FST Dean's Office and MORI

also assisted the groups to prepare for the competition.

Breadfruit Project

Trees that Feed Foundation, USA, continued to support research into tissue culture propagation of breadfruit trees at the Biotechnology Centre. The second sum of USD3,000.00 (Three thousand US dollars) was made available to the Biotechnology Centre for the period September 1, 2014 to August 31st, 2015. The PI of the Breadfruit project is Dr. Sylvia Mitchell.

BIOTECHNOLOGY CENTRE NEWSLETTERS

The *Biotechnology Centre Newsletters* was started and two series were released during the period under review. The first, Series #01, was released in December 2014, while Series #02, in March 2015. The Newsletter features, the research and outreach activities of staff and students, and interns at the Centre.

OUTREACH

The Centre was involved in a number of outreach programmes and events throughout the year.

UWI Research Day 2015

During Research Day 2015 (February 9–11, 2015), the Biotechnology Centre displayed various finished products at the Centre's booth. Dr. Sylvia Mitchell demonstrated Plant Tissue Culture techniques to visitors and also gave a demonstration entitled "A piece of plant to feed the nation." Dr. Melaine Randle gave a tour of the Centre to a number of students from different High Schools, including the Annotto Bay High School, and coordinated a demonstration entitled "DNA isolation made simple". Ms. Lamar Thomas demonstrated fungi isolation from various types of foods to the visitors. Some of the Centre's Yam nutraceutical products and byproducts were also displayed, and attracted many visitors

and samplers. Among the displayed nutraceutical products popularly sampled were the Moringa bars/balls and three different yam spreads. The Yam Research Group students of Professor Asemota prepared the samples for the display, which was coordinated by Dr. Alexia Harvey, Research Fellow in the Group.

National Nutraceutical Industry Launch by the Prime Minister of Jamaica

The Centre, on invitation by the National Commission on Science and Technology (NCST) participated in the launching of the National Nutraceutical Industry by the Prime Minister on March 5, 2015. Dr. Sylvia Mitchell prepared a basket containing plantlets of herbal plants which was presented to the Prime Minister. The Prime Minister acknowledged among others, Professor Helen Asemota for her research work over the years and the entire University of the West Indies, Mona campus. Some of the Biotechnology Centre's nutraceutical products, moringa bites and three different varieties of yam spreads were displayed for sampling and were acknowledged by the News Media that was present.

World Teachers' Day

The Jamaica Teaching Council hosted the 'Forum for Innovations in Teaching' to commemorate the 'World Teachers' Day, Invest in the Future, Invest in Teachers' theme, on October 10–11, 2014, at the National Arena. For the event, the Biotechnology Centre was invited to participate in the Ministry of Education's STEM Academic display. Our presentation highlighted Tissue Culture and associated biotechnologies. Other UWI technologies like robotics and a mobile science lab were also highlighted in the booth.

World Standards Day

Dr. Sylvia Mitchell partook in various activities held to celebrate World Standards Day hosted by the Jamaica Bureau of Standards on October 14th, 2014. The year's theme was 'Standards level the playing field'. Dr.

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Mitchell presented the Chairman's report of the Examiners Board at the National Quality Awards (NQA) banquet. The NQA Programme is Jamaica's first quality systems based awards programme which seeks to recognize and reward local companies that demonstrate the application of standards and quality systems in both the production of goods and delivery of services.

Western Outreach Programme, FST

Dr. Alexia Harvey and Mr. Jordan Freeman represented the Biotechnology Centre at the Faculty's Annual Undergraduate Western Outreach Programme held on January 11 and 12, 2015. Mr. Freeman interviewed with Newstalk 93FM and highlighted the Centre's work, as well as its upcoming Biotechnology Agro Conference. The team was successful in encouraging students to consider the field of biotechnology for undergraduate studies and postgraduate research.

Mandeville Hospital Book Launch

On March 4, 2015, Professor Helen Asemota gave a speech at a book launch by Mandeville Hospital in Manchester which was staged by the Ministry of Health, Southern Regional Health Authority in collaboration with Integrated Medical Services. The title of the book is *Clinical Dialogues in Hospital Medicine* by Gabriel Ukala, FRCP, Edin.

4H Club Exposition

The Biotechnology Centre participated in the 4H Club Exposition on Friday 24th of April held on the Denbigh Agricultural grounds. The Centre displayed plants, products and posters. The Centre handed over a number of tissue culture plants (including turmeric, yams, and pineapple) to the 4H club for planting and replication at Salisbury. The Centre, through Professor Asemota and Dr. Mitchell together with the National Council on Science and Technology (NCST), Agri-Systems Consultants, and the 4H Club developed a Youth Training Programme in support of the advancement of the Nutraceutical Industry at grassroots

levels – focusing on provision of raw materials, sustainability and preservation. A funding proposal was developed spearheaded by the Centre.

NON-DEGREE SHORT TRAINING PROGRAMMES

Genetic Engineering for Science Teachers and Students Workshop

The 12th Annual workshop on “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, 2014. Dr. Marcia Roye and her Research Assistant, Ms. Cindy-Leigh Hamilton organized and coordinated the workshop. 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.

Bio-Skills Training Workshop for Teachers:

In March 2015, a training workshop in Plant Tissue Culture & Wine making was organized and hosted for eight (8) Teachers from the Shortwood Teachers College. The trainers were Dr. Mitchell and Prof. Asemota.

Half-Way-Tree Primary School Internship

On March 24, 2015, 10 students from the Half Way Tree Primary

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School and two of their teachers visited the Centre for laboratory demonstrations and discussion in preparation for the National Young Innovators Competition. Dr. Sylvia Mitchell demonstrated tissue culture techniques and Dr. Melaine Randle gave them an overview of basic molecular biology techniques such as DNA isolation and gel electrophoresis. The School was second in the competition.

CONFERENCES AND WORKSHOPS ATTENDED

The 2015 Katalyxt Conference – “Creating wealth through Agriculture, Technology and Culture”

Professor Asemota was invited as one of the guest speakers in the Katalyxt Conference held at the Knutsford Court Hotel on May 21, 2015. Her presentation was entitled “Development of the Agricultural Sector through Innovative Research”. The conference with the theme “Creating wealth through Agriculture, Technology and Culture” brought a number of sectors together including representatives from the banking industry, entertainment, academic institutions, and small businesses where ideas for business growth through innovation and efficiency were presented, represented and discussed.

The Society for In vitro Biology Meeting

Dr. Sylvia Mitchell attended the Society for In vitro Biology (SIVB) Meeting held in Tuscon, Arizona, May 30th to June 3rd 2015, where she received the 2015 Distinguished Service Award for Outstanding Service to the SIVB. She also co-convended a session entitled: “Medicinal Plants, Propagation and Nutraceuticals” where she invited Dr. Ina Vandebroek, from the New York Botanical Gardens, to present two papers at the session, one of which was coauthored by Dr. Mitchell entitled “The Ethnobiology of Jamaica, the Dominican Republic and New York City: Similarities and Differences”. Dr. Vandebroek also presented a second paper entitled “Reconciling different worldviews: Biomedicine vs traditional medicine”. Dr. Mitchell authored and presented

two papers in the session entitled “Application of In Vitro Techniques for the Conservation & Sustainable Use of Endemic, Indigenous, & Native Ethnomedical Plants of the Caribbean” and “An Update on Cannabis Legislation, Research, and Development in Jamaica and Its Relevance to the Region”.

NCU 2015 Science Symposium

The Director of the Centre, Professor Helen Asemota, gave the key note address at the Northern Caribbean University 2015 Science Symposium in Mandeville, Manchester on March 10, 2015. She spoke on “Wholistic Synergy and Transformational Solutions through Research.”

10th Biennial Conference of the Faculty of Science and Technology

The Biotechnology Centre participated in the FST 10th Conference held June 9–11, 2015. Under the theme “STEM: The Engine of Growth” four papers were presented by Biotechnology faculty at the conference. The conference offers an opportunity for researchers from a broad range of disciplines across Science, Technology, Engineering and Mathematics to showcase their work and the associated relevance to development.

JAMPRO Training Workshop

On April 8th and 9th members of staff (Professor Helen Asemota, Dr. Sylvia Mitchell, Ms. Lamar Thomas, Mr. Jordan Freeman, and Mrs. Shivanjali Dondapatti) of the Biotechnology Centre attended the UNESCO National Science, Technology and Innovation (STI) Policy Indicator Workshop held at the Scientific Research Council, Kingston 7. It involved a wide cross section of representatives from the private sector, the Planning Institute of Jamaica, Ministry of Agriculture, Ministry of Science, Technology, Energy and Mining, the Northern Caribbean University, the University of Technology, and the University of the West Indies. The main aim of the workshop was to define key terms such as Research and Development, Education, Training, Science and Technology. The clarity of terminology would be necessary for UNESCO’s

future collection of science indicators from relevant institutions for the development of technology policies.

National Nutraceutical Industry Stakeholder Consultation Workshop

The Centre was invited to participate in the National Commission on Science and Technology (NCST) and the National Nutraceutical Industry's National Nutraceutical Industry Stakeholder Consultation Workshop on Wednesday April 29th, 2015, at the Planning Institute of Jamaica (PIOJ). The aim of the workshop was to discuss the way forward for Jamaica in the Nutraceutical Industry. The workshop looked at coordinating an approach to manage industry activities and bring practitioners, support agencies and other critical stakeholders under one umbrella.

SUMMER INTERNSHIP AT THE CENTRE

The TEF Programme

In June 2015, Miss Karen Levy coordinated the Tourism Enhancement Fund Programme at the Centre where eight (8) students participated in the training programme organized at the Biotechnology Centre. Based on the suggestion of the Director, Professor Asemota, Mr. Jordan Freeman, the first Biotechnology Business Incubatee, trained at the Centre, with the help of the MSBM and Ms. Campbell of the Mona Business Initiative, trained and supervised the work of six participants while Miss Levy offered oversight to these students and also trained two others in office administration and front desk management. The students who worked with Mr. Freeman were taught to conceptualize biotechnology business ideas and then write proposals about the business idea. The culminating activity for the TEF students involved making presentations on their proposals to a panel of 4 judges drawn from the Biotechnology Centre and the Mona School of Business. The presentations were done in pairs at the Mona School of Business and a certificate was awarded to the winning team. All students were awarded Certificates of Summer

Internship Completion for the period June 8th to July 17th, 2015. Miss Levy also assisted in the recruitment of other TEF students for training in the Departments of Chemistry and Basic Medical Sciences where they were supervised by Mrs. Grace Hosang and Mrs. Yvonne Bailey respectively.

Internship for Foreign Scientists/Visitors at the Centre

On the invitation of the Director, Miss Suvi Rantamo from the Department of BioSciences, University of Helsinki, Finland, interned at the Biotechnology Centre during the period June 22 to August 21, 2015. She was supervised by Dr. Melaine Randle and Dr. Sylvia Mitchell under the project “RAPD Analysis of *Theobroma cacao* from two Agricultural Research Stations in Jamaica”. Miss Rantamo was taught a number of techniques, including DNA isolation, agarose gel electrophoresis, polymerase chain reaction (PCR), and random amplified polymorphic DNA (RAPD). This internship earned the Centre one thousand US Dollars (USD1,000.00).

VISITORS TO THE CENTRE

During the period under review, the Centre received numerous international and local visitors.

UNU BIOLAC Representatives:

On Monday 29th of September 2014, the Centre welcomed two representatives of the United Nations University Biotechnology Programme for Latin America and the Caribbean (UNU BIOLAC), Professor Jose Ramirez and Dr. Ivan Galindo-Castro. The guests were introduced to staff and students and to the various research work being conducted at the Centre, and a tour the facilities. The guests also met with the Acting Dean of the Faculty, Professor Michael Taylor, along with the Head of Department of Life Sciences and Head of the Natural Products Unit.

According to the visitors, the UNU-BIOLAC Program offers opportunities for networking and collaboration within Caribbean and Latin America in Biotechnology programs and research opportunity to bring trainers from other parts of the world under the UNU-BIOLAC program as well as funding opportunities for short-term research training in other regional laboratories.

Dr. Carlos Borroto, CICY

Dr. Carlos Borroto, Advisor to the General Director of the Yucatan Research Center for Scientific Research (CICY), Mexico, visited the Centre at the request of the Director in collaboration with the Inter-American Institute for Cooperation on Agriculture (IICA), April 24–25, 2015. The Centre invited Dr. Borroto to explore collaboration between the UWI Biotechnology Center and the CICY as well as to present a public seminar on Agricultural Biotechnology and Entrepreneurship in Cuba and Mexico.

On 24th April 2015 Dr. Borroto was introduced to the staff and students at the Biotechnology Centre where he briefly discussed the works of the CICY including its current activities and achievements. The Biotechnology Centre team was able to discuss possible growth ventures and areas in which the Biotechnology Centre and the CICY could collaborate. Afterwards, Dr. Borroto and the Director, met with Dean Paul Reese along with the Representative of IICA in Jamaica, Dr. Elizabeth Johnson. The group discussed ways in which the Biotechnology Centre, UWI and Jamaica could benefit from the commercialization of research products.

On Saturday, 25th September 2015, Professor Helen Asemota, Dr. Sylvia Mitchell, Dr. Elizabeth Johnson of IICA, as well as Dr. Sharon Smith of the Mona School of Business Services, held a meeting with Dr. Borroto. Dr. Borroto was taken to visit the virus-tested tissue culture plantlets at the Centre's experimental farm, the germplasm Garden and the Mona Micro-plant Facility managed by Dr. Mitchell. The team discussed ways in which the two institutions could share techniques and knowledge, as well as how the CICY could provide training for staff and

students and seek grant funding for the development of some agricultural research areas and the successful commercialization of biotechnology products.

Mr. Tim Cranston, University of Halifax

Mr. Tim Cranston of the St. Mary University in Halifax, Canada, visited the Centre on May 13, 2015 to hold discussions towards possible collaboration with the Biotechnology Centre and the Mona School of Business Management (MSBM). The parties discussed work on product development, analyses and commercialization with seaweed biomaterial produced by a particle reduction method and other biomaterials to be produced from local plant sources, e.g. citrus. Mr. Cranston was met by Prof. Helen Asemota, Drs. Sylvia Mitchell and Alexia Harvey, of the Biotechnology Centre and Professor Douglas Lindo of the MSBM.

Other notable visitors included Dr. Ina Vandebrook from the New York Botanical Gardens, USA, Dr. Tenniel Ramikie who conducted research on Cannabinoids at the Vanderbilt University, and appointed as Research Fellow at Harvard University, as well as our very own Prof. Harvey Reid (UWI retired) of Country House Products, Mandeville, Jamaica.

BIOTECHNOLOGY CENTRE SEMINARS

In the academic year in question, the following public seminars were organised by the Centre and presented by the indicated invitees:

- “Medical Ethnobotany in the Americas and the Caribbean” presented by Dr. Ina Vandebroek on August 13, 2014.
- “Crop Systems Biology: Identification of candidate genes in the post-genomics era, presented by Iván Galindo-Castro, September 29th, 2015.
- Trends in Medical Biotechnology presented by Professor José Ramirez Ochoa, of the United Nations’ University Biotechnology Programme, September 29th, 2015

- “The Transformation: from an idea to the shelf” presented by Prof. Harvey Reid on November 20th, 2014.
- “The Endogenous Cannabinoid Systems and Stress” presented by Dr. Tenniel Ramikie on March 4th, 2015.
- “Agricultural Biotechnology: Realities and Perspectives. Case studies Cuba and Mexico” by: Prof. Carlos G. Borroto on April 24th, 2015.

PUBLICATIONS

In the period under review, the Centre achieved 25 publications consisting of eleven (11) International Refereed Journal Publications, one (1) book chapter, and 12 Conference Abstracts/Presentations, as listed below:

Refereed Journals:

- 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*. ISSN: 2347-467X, Online ISSN: 2322-0007. <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 .
- Riley, Cliff Kelvin, Bahado-Singh, Perceval Stephen, Wheatley, Andrew O'Brien and **Asemota, Helen Nosakhare.** (2014). Physicochemical properties of low-amylose yam (*Dioscorea* spp.) starches and its impact on amylase degradation in vitro. *International Journal of Nutrition and Food Sciences*, 3(5): 458–464.
- Dilworth LL, Brown KJ, Wright RJ, Oliver MS and **Asemota HN.** (2014). An assessment of bioactive compounds and antioxidants in some tropical legumes, seeds, fruits and spices. *Journal of Research in Biology* 3(7): 1182-1194.
- Dewayne E. Stennett, Frederick Oladeinde, Andrew O. Wheatley, Lowell L. Dilworth, Christine Hohmann, Joseph Bryant and **Helen N. Asemota.** (2014). Evaluation of the effects of bitter yam tuber supplementation on serum parameters used to assess hepatotoxicity and nephrotoxicity in transgenic mice. *Journal of Bioscience and Biotechnology*, 3(2): 133–139.
- McKoy, M.L.; Thomas, P.G.; **Asemota, H.N.**; Omoruyi, F.; Simon, O. (2014). Effects of Jamaican bitter yam (*Dioscorea polygonoides*) and diosgenin on blood and fecal cholesterol in rats. *J. Med. Food* 17(11): 1183-8. doi: 10.1089/jmf.2013.0140. Epub 2014 Jul 24.
- **Green C.E.** and **S.A. Mitchell** (2014). The Effects of Blanching, Harvest Time and Location (with a Minor Look at Postharvest Blighting) on Oleoresin Yields, Percent Curcuminoids and Levels of Antioxidant Activity of Turmeric (*Curcuma longa*) Rhizomes Grown in Jamaica. *Modern Chemistry Applications* 2 (4)140–148.

- Riley, C.K., Bahado-Singh, P.S, Wheatley, A.O and **Asemota, H.N.** (2014) Physicochemical properties of low-amylose yam (*Dioscorea* spp.) starches and its impact on amylase degradation in vitro. *International Journal of Nutrition and Food Science* 3(5): 458-464.

Books

Tripathi, S., Castro, L., Fermin, G., **Tennant, P.** (2014) “Advances in Papaya Genomics”. In: N Benkeblia (ed) *Omics Technologies and Crops Improvement*. CRC Press Taylor and Francis Group, Boca Raton, FL. pp 219–252.

PAPERS PRESENTED

- **Asemota, H.** (2015). “Wholistic Synergy and transformational solutions through Research.” Keynote Address. Northern Caribbean University 2015 Science Symposium, Mandeville, March 10, 2015.
- **Asemota, H.A.** (2015) “Development of the Agricultural Sector through Innovative Research”. Katalyxt Conference: “Creating wealth through Agriculture, Technology and Culture”, May 21, 2015.
- Bakir, M. Nelson, P., Lawrence, M., Johnson, T., Wallace, K. and **Asemota, H.** “Physico-chemical and biological properties of polypyridyl hydrazonic ligands” STEM Science and Technology Annual Conference, June 9, 2015.
- Lindo A, Robinson D, **Tennant P.** (2015). Characterization of genetically unique cocoa (*Theobroma cacao*) genotypes located at Orange River germplasm collection, St. Mary using quantitative pod traits. 10th Conference of the Faculty of Science and Technology. Mona, Kingston, June 9–11, 2015.
- **Mitchell S.A.** (2015) Application of In Vitro Techniques for the Conservation & Sustainable Use of Endemic, Indigenous, & Native Ethnomedical Plants of the Caribbean. Medicinal Plants, Propagation and Nutraceuticals (S-15), In Vitro Biology Meeting, Tucson,

Arizona, USA, May 30–June 3, 2015. Abstract J-2, *In Vitro Cellular and Development Biology*, Abstract Edition 51, pg S10-11.

- **Mitchell S.A.** (2015) An Update on Cannabis Legislation, Research, and Development in Jamaica and Its Relevance to the Region. Medicinal Plants, Propagation and Nutraceuticals (S-15), *In Vitro Biology Meeting*, Tucson, Arizona, USA, May 30–June 3, 2015. Abstract J-4, *In Vitro Cellular and Development Biology*, Abstract Edition 51, pg S11.
- **Mitchell S.A.** (2014) Medical Cannabis in the Caribbean: a discussion of the issues from the viewpoint of the Nagoya Protocol. 3Rd Caribbean ABS Workshop, hosted by the Ministry of Sustainable Development, Energy, Science and Technology, Saint Lucia in cooperation with the ABS Capacity Development Initiative, Caribbean Community Secretariat & Secretariat of the CBD, November 24–27th 2014, Bay Gardens Hotel, Saint Lucia.
- **Mitchell, S.A.** (2014) Ethnobiotechnology possibilities and challenges in Jamaica. Society for Scientific Advancement (SOSA) 3rd Annual Conference 'Catalyzing Therapeutic Innovation'. November 21, University of the West Indies, Kingston, Jamaica.
- **Mitchell S.A.** (2015) Harnessing the potential of the Medicinal Cannabis Industry to help fuel Jamaica's development for all. In: IP & Innovation: Research as an Ingredient for Development with Focus on Ganja. Intellectual Property Week Seminar, Think Tank Programme, JIPO. April 23, 2015.
- Thomas L, **Tennant P.** (2015). Diversity of pathogens associated with pumpkin (*Cucurbita pepo*) during commercial production. 10th Conference of the Faculty of Science and Technology. Mona, Kingston, June 9–11. Poster.
- Vandebroek I and **S.A. Mitchell** (2015) The Ethnobiology of Jamaica, the Dominican Republic and New York City: Similarities and Differences. Medicinal Plants, Propagation and Nutraceuticals (S-15), *In Vitro Biology Meeting*, Tucson, Arizona, USA, May 30–June

- 3, 2015. Abstract J-1, In Vitro Cellular and Development Biology, Abstract Edition 51, pg S10.
- William, M.S., Voutchkov, M., Nwokocha, C.R., and Asemota, H.N. (2015). The Biochemical Effects of Biomagnetic Therapy on Type II Diabetic Rats. STEM Science and Technology Annual Conference, June 9, 2015.

INCOME GENERATION

During the period August 1, 2014 to July 31st, 2015, income generated from Bioservices, Internships and Workshops organized by the Centre amounted to approximately One Million Jamaican Dollars (J\$1,000,000.00) and one thousand USA Dollars (US\$1,000).

PUBLIC SERVICE:

Professor Helen Asemota:

- Ordained Reverend – serving Holiness Christian Church of Jamaica Denomination as a Pastor.
- Chairman and Co-Founder, Imade Asemota Foundation for Sickle Cell Research and Patients' Welfare (IAF), North Carolina, USA.
- Curriculum Review, Ministry of Education, Jamaica.
- University Accreditation Assessor, University Commission of Jamaica (UCJ)
- Education Committee Chair, International Proxy Parents (IPP)
- IEEE Member of TC 19 Group
- International Measurement Convention (IMEKO) Rep. in Jamaica.
- STEM Women of Science Concave (SWOC), USA. Founding Member.

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 of In vitro Report
- 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

POSTGRADUATE STUDENTS

A total of 14 postgraduate students are registered for the PhD or MPhil in Biotechnology at the Centre, out of which 6, listed below, entered the programme at the beginning of the academic year under review. The 6 new students are, Foster, Kimberly; Marriott, Chantal; Mayne, Nicaine; Bell, Princess; Scott, Nikashae; and Williams, Lowen. The other students previously registered and working at the Centre are Chenielle Delahaye, Cheryl Green, Raxon Gordon-Simmonds, Soyanni Holness, Kimani Kitson-Watson, Adriel Ramkissoon, Deiondra Robinson, and Racquel Wright. Some students, registered in other departments also conduct research at the Centre, such as Alisa Lindo of the Department of Life Sciences, Keaton Logan, Melissa Williams and Kenroy Wallace of the Department of Basic Medical Sciences.

In November 2014, Miss Natwaine Gardner was awarded the PhD degree in Biotechnology with high commendation for her work on the “Analysis of drug addiction treatment or secondary prevention using

nutritional supplements: Mechanisms of action in an animal model of cocaine dependence”. This research entailed a multi-disciplinary approach and encompassed a wide range of persons that so willingly lent their expertise. This very diverse supervisory team was led by Professor Helen Asemota (Biochemistry, Molecular Biology and Biotechnology) and included Dr. Andrew Wheatley (Biochemistry and Biotechnology), Dr. Winston De la Haye (Substance Abuse and Psychiatry), Dr. Donovan McGrowder (Chemical Pathology), Dr. Lowell Dilworth (Chemical Pathology and Biochemistry), Dr. Perceval Bahado-Singh (Clinical Biotechnology) Dr. Henry Lowe (Ethno Chemistry) and Dr. Ajibike Salako-Akande (Inventor of Nutritional Supplement formulation). Every member of this multidisciplinary team, along with Dr. Lorraine Young (Neurology, Physiology) and Professor Denise Eldemire-Shearer (Community Health and Psychiatry) graciously gave their invaluable contribution which facilitated this pioneering research to its completion.

Mr. Kimani Kitson-Watson received a Smithsonian Graduate Fellowship to pursue research for 12 weeks at the Smithsonian Marine Station in Fort Pierce, Florida. The award was granted by the Link Foundation and the Smithsonian Institution of the USA. Mr. Kitson-Watson, who is being supervised by Dr. Marcia Roye (and Dr. Webber, Life Sciences Department) will study the restriction site associated DNA technique at the Institution in Florida. His MPhil work involves examining the fine-scale population structure of the Queen Conch (*Strombus gigas*) in the Jamaican Fishery.

Miss Racquel Wright, PhD candidate in Professor Asemota’s Research Team, visited the Morehouse School of Medicine in Atlanta, Georgia during November 2014 and again for a second period starting June 2015, as a part of an ongoing collaboration with Dr Jacqueline Hibbert of the Department of Microbiology, Biochemistry and Immunology and Professor Marvin Reid of UWI. Miss Wright is completing work on the project “Antioxidant and anti-inflammatory properties of *Moringa oleifera* towards use in the treatment of sickle cell anemia”. The Morehouse visits are targeted at analyzing the anti-inflammatory properties of *Moringa* extract in endothelial cells. The visits were made possible by the National

Institute of Health (NIH) Fogarty Global Health Fellowship Grant #5R25TW009340, under a broad network of collaboration involving Duke University and the University of North Carolina, Chapel Hill, where the grant is located.

THE HUGH WYNTER FERTILITY MANAGEMENT UNIT



Professor Joseph Frederick, OJ, CD, MBBS, DM (O&G), FRCOG, FACOG
Head of Department

OVERVIEW

The Hugh Wynter Fertility Management Unit (HWFMU) continued to consolidate its programmes and services during 2014/15. HWFMU in expanding its teaching and service capacity in assisted reproduction hosted a regional workshop funded by Ferring International for obstetrician/gynaecologists. It is anticipated that close collaboration will be fostered through this initiative to increase the number of clients from around the Caribbean for fertility treatment in the HWFMU.

The Unit in collaboration with the UWI Legal Unit had two workshops to review and finalize the consent forms for reproductive services. The forms are now in use.

The final report of the audit undertaken by the UWI's audit department was discussed and steps have been taken to implement the various recommendations in collaboration with the relevant offices.

The Unit continues to use available opportunities to promote and improve its services and anticipates significant growth in 2015/16.

CLINICAL SERVICES

Table 1. Surgeries and procedures performed in the Clinic

Procedures	Number
Oral Contraceptives	432
Depoprovera injection	2,354
Jadelle implant	41
IUCD	150
Tubal Ligation	8
Vasectomy	3
Diagnostic Laparoscopy	12
Diagnostic Hysteroscopy	207
Cervical Cerclage	3
Cyst aspiration	3
Operative laparoscopy	135
Operative hysteroscopy	24
Myomectomy	11
Hysterectomy	5

The National Family Planning Board has not been able to supply the Unit with Subdermal implants (Jadelle and Zarin) hence the reduction in amount inserted.

Diagnostic Laparoscopy has been reduced with doctors preferring to do Operative Laparoscopy when a patient has Chronic Pelvic Pain.

Tubal Ligation is now done under general anaesthesia, costs have increased and hence a reduction in the number of persons seeking tubal ligation.

The Hugh Wynter Fertility Management Unit

Table 2 Assisted Reproduction Report

Procedures	Number
Couples women registered for Assisted conception	116
Single women registered for Assisted conception	5
Couples counselled	48
Single women counselled	5
Egg Recoveries (IVF/ICSI)	79
Embryo Transfers	79
Egg Sharers/ Egg Donor Recoveries	14
Egg Sharers Embryo Transfers	9
Recipient Cycles	20
Recipient Embryo Transfers	4
Patients with Embryos Cryopreserved	39
Frozen Embryo Transfers	35
Semen Analysis Performed	213
Intrauterine Inseminations	28

TRAINING

The Training section contributes to the development of the skills and competencies of a wide cross-section of professionals throughout the English-speaking Caribbean by means of targeted training interventions. The present focus of the section is on conducting the Masters in Counselling Programme by a blend of Face-to-Face teaching and Computer-Mediated Instruction.

Summer Programme

Nineteen M.Sc. Counselling students from six English-speaking Caribbean countries (The Bahamas, Belize, Dominica, Jamaica, St. Lucia, St. Vincent and Trinidad) attended the second of two summer Programmes at the Mona Campus, UWI from June 29, 2015 to July 17, 2015. The students were housed at the Elsa Leo Rhine Hall of Residence at the Mona Campus.

GRADUATION

Five (5) students graduated in October, 2014 from the following sites as follows:

Belize 1 student

Trinidad 3 students

Mona 1 student

The following courses were offered from August 1, 2014 to July 31, 2015

Semester 1, 2014–2015

Course Code	Course Name	Passed	F/FM/abs
COUN6201	Cognitive - Behavioural Counselling Part 1	20	3
COUN 6107	Qualitative Research Methods	18	5
COUN 6114	Practicum 1 (M12 Repeat)	1	0
COUN 6115	Practicum 2 (M12 Repeat)	2	0
COUN 6203	Practicum 3	16	5
COUN 6110	Person- Centred Counselling (MEX Re-sit)	1	0
COUN 6111	Existential Counselling (M12 Repeat)	1	0
COUN 6113	Professional Issues Part 1 (Re-sit)	1	0
COUN 6208	Vocational Counselling	1	0

The Hugh Wynter Fertility Management Unit

Semester 2, 2014–2015

Course Code	Course Name	Passed	F/FM/abs
COUN 6206	Cognitive Beh. Counselling Part 2 (Awaiting grades)		
COUN 6205	Family Therapy	18	5
COUN 6207	Practicum 4	19	4 Inc.
COUN 6201	CBT Part 1 Re-Sit	1	1
COUN 6106	Quantitative Research Methods (M12 Repeat)	1	0
COUN 6106	Quantitative Research Methods (Re-sit)	0	2
COUN 6111	Existential Counselling (M12 Repeat)	1	0
COUN 6112	Personal Growth Groups (Re-sit)	2	0
COUN 6203	Practicum 3 (Re-Sit)	1	3 Inc.
COUN6301	Research Project (Awaiting grade)	–	–
COUN 6302	Practicum 6	1	0

Second Summer School: (19 students attended July, 2015)

Course Code	Course Name	Passed	F/FM/abs
COUN 6202	Cognitive – Beh. Group Couns. (Awaiting grades)	–	–
COUN 6209	Professional Issues Part 2 (Awaiting grades)	–	–

OUTREACH

The Unit participated in several of The National Family Planning Board's (NFPB) activities.

Attended stakeholder meetings

- Participated in Sexual and Reproductive Health Conference, November 29 – 30, 2014 with exhibits and presentations on “Fertility Issues” by the Director Professor Joseph Frederick, 5 Consultant Obstetrician/ Gynaecologists and two Embryologists.
- Participated in NFPB's Research Day, July 27, 2015 with presentation on “Reproductive Options for Persons Living with HIV” by Dr. Kamali Carroll, Embryologist.
- Participation in UWI Research Days February 10, 2015: the Unit hosted a tour of the facility and a presentation was made on “The Work of the Unit” by Dr. John Harriott.
- The Unit partnered with the Shauna Fuller Clarke's BASE (Better Awareness and Services for Endometriosis) Foundation to increase awareness of the condition. The activities included observation of Endometriosis month in March 2015 with:
 - Radio and television interviews including a sponsored programme on Nationwide.
 - Presentations at the “Endotalk” public forum at the Faculty of Medical Sciences Teaching and Research Complex. Mona on March 19, 2015.
 - Participation in the international “March” and hosting a booth at Devon House, on March 28, 2015.
- The Unit conducted an “Assisted Conception Workshop” on June 12 & 13, 2015, sponsored by Ferring Pharmaceuticals, for 15 Obstetricians/Gynaecologists from six Caribbean countries including Jamaica and Haiti. There were lectures on decision-making in assisted conception, treatment protocols, managing complications, counselling

The Hugh Wynter Fertility Management Unit

clients, medico-legal issues and laboratory aspects of IVF. All participants gained hands-on practice in Ultrasonography for Endometrial Assessment and Follicular Tracking.

- Various activities were undertaken for educational institutions, churches and NGOs including: display booths, distribution of educational materials, PowerPoint presentations, and career talks. These were organized and conducted by staff members and included:
 - 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 12, 2015.
 - Girls’ Day presentations at St. Andrew Technical High School on February 26, 2015, Topic “Roles and Responsibilities of Women” and Mona Primary School on May 20, 2015, Theme “Girls of Virtue, Women of Value”.
 - Booth display and a talk on “Fibroids” by the Director, at the Staff Wellness Day at the Vice Chancellery, Mona, on March 5, 2015.
 - Booth display at August Town Primary School Health Fair on March 21, 2015.
 - Booth display and oral presentation at UWISON on March 24, 2015.
 - Careers day presentation at St Joseph Infant School, Duke Street, on May 5, 2015.
 - Talk and display at Health Fair and Family Day at the Glad Tidings Open Bible Church, Hampton Green, Spanish Town on June 13, 2015.
 - Talk to URSAFE on “In-vitro Fertilization” by Mrs. Denise Everett Keene on June 25, 2015.

MAJOR CONFERENCES/SEMINARS

- ASRM 2014 was attended by Dr Kamali Carroll
- ASRM 2015 New York was attended by Mrs. Denise Keene, Mrs. R. Hammond & Dr Vernon DaCosta
- ACOG conference 2014
- Sexual and Reproductive Health Conference (NFPB) November 2014
- Annual Peri-Natal Conference 2015
- Conference for Nurses and Midwives 2015
- Assisted Conception Workshop 2015

PUBLIC SERVICE

Frederick, Joseph, Professor

- Board Member, British Virgin Islands Healthcare Services Authority
- Member, Caribbean Initiatives of Planning Committee of Planned Parenthood
- Member, Pacesetters Toast Masters Club

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

The Hugh Wynter Fertility Management Unit

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

- Member, Jamaica Association of Administrative Professionals

Ingram, Neila

- Pastor, St. Matthew's African Methodist Episcopal Church
- Member/Advisor, O'Meally United Youth 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 establishment of several staff posts during this academic year, the first such cohort in the Institute, thus allowing for the formulation of a five year strategic plan. We are thankful to the Principal for the establishment of these posts of Research Fellows and a Senior Scientific Officer, which we anticipate will allow the growth of the Institute.

Combined with the approval of grants from the National Health Fund (NHF), Caribbean Health Policy Agency (CARPHA) in association with US, National Cancer Institute (NCI), in addition to Principal's New Initiative, totaling up to approximately J\$21M, we look forward to a year of research in cancer, (treatment and prevention leads) mosquito vector control, drug-herb interactions and cannabis (details of which are

provided in sections below). Following the invitation of several members of staff to join national bodies in natural product development, NPI looks forward to having national and international impact. Our staff continued to engage in high quality publications, presentations at several international conferences, as well as organization of the Faculty of Science and Technology conference, and also hosted several internationally renowned scientists. The year also saw the conclusion of the hosting period for Biotech R&D, a privately owned company.

PAPERS PRESENTED

Invited plenary and oral presentations:

- **Campbell T**, Bowen-Forbes C, Thompson I, Nembhard N, Lindo R, McKenzie, J Delgoda R, “A comparative analysis of the sensory and phytochemical properties of two varieties of the red raspberry *Rubus rosifolius* and the antidiabetic activity of its extracts, 10th conference of the Faculty of Science and Technology, UWI, Mona, June 9–11, 2015
- **Yee, T**, “Hypoglycaemic and hypotensive constituents from *Eucalyptus camaldulensis*”, 8th biennial meeting of the International Society for the Development of Natural Products, Shanghai, China, October 10–12, 2014.
- **Delgoda, R**, “Meeting the gaps for developing natural products in the Caribbean: a Jamaican model”, 8th biennial meeting of the International Society for the Development of Natural Products, Shanghai, China, October 10–12, 2014.
- **Francis S**, Delgoda R, Gallimore W, Jacobs H, Bibby J, Paine M., “Natural Compound: Use in Vector Control Programme.” 5th National Health Research Conference. Healthy Individual, Healthy Community, Healthy Nation; Kingston, November 27–28, 2014

Papers presented as posters

- Delgoda, R, Kandagatla, S, Ranor, G, Brantley, E, Badal, S, Francis,

S, Jacobs, H, “Novel quassinoid from Jamaican *Castela Macrophylla* blocks induction of Cytochrome P450 1 enzymes and luciferase genes”, presented at the 2015 Annual meeting of the American Society of Pharmacognosy, 25th–29th July 2015, Copper Mountain, Colorado, USA.

- **Francis S, Delgoda R, Bibby J, Paine M.** “Natural compounds: considerations as insecticide synergists.” American Society of Tropical Medicine and Health 64th Annual Meeting, November 2–6, 2014, New Orleans, USA.
- **Picking D, Delgoda R,** “Evaluating the potential for drug-medicinal plant interactions in Jamaica”, 8th International Society for the Development of Natural Products, October 10–11, 2014
- **Picking D, Delgoda R,** “Evaluating the potential for drug-medicinal plant interactions in Jamaica”, Society for Scientific Advancement, Mona, November, 2014

PUBLICATIONS

Refereed Journal Articles and book chapters

- **Picking D, Delgoda R,** Younger N, Germosén-Robineau L, Boulogne I, Mitchell S, “TRAMIL ethnomedicinal survey in Jamaica”, *Journal of Ethnopharmacology*, 2015, 169, 314-327
- **Delgoda R,** Kandagatla S, Ranor G, Brantley E, **Badal S,** Francis S, Jacobs H, “Novel quassinoid from Jamaican *Castela Macrophylla* blocks induction of Cytochrome P450 1 enzymes and luciferase genes”, *Planta Medica*, 2015, 81, 948
- **Francis, S and Delgoda, R** “Patent reievow on the development of cytochrome P450 inhibitors”, *Expert Opinion on therapeutic patents*, 2014, 24(6), 1–19
- **Delgoda R, Picking D,** “The pivotal role of scientific research in the development of the nutraceutical industry in Jamaica” in *Jamaica’s*

Nutraceuticals: Opening the door to their potential, Lowe, H and Morrison, E (Eds), Pelican Publishers, Jamaica, 2015

- **Badal S**, Collins-Fairclough A, Stewart C, Smith K, Potential for naturally-derived therapeutics: The Caribbean as a Model. Insights from the Conference on Therapeutics & Functional Genomics. *Expert Opinion on Biological Therapy*, 14, (2014): 1–4.

Patent applications

- Yee, T and Jacobs H, “Simplified Process to Extract Quassinoids” US Patent No. 2014/0187799 A1. This new patent in their series of extraction of Bitterwood describes three improvements to the original patents.

Training workshops attended by Staff

- Murray, J and Foster K (student), cell culture and cytotoxicity assessments, hands on training provided by Dr. G. Huang, Clemson University, Clemson, South Carolina, USA, July 2015.
- Delgoda, R, US National Institute of Health (NIH), CARPHA and PAHO “Caribbean grant writing and Scientific peer review workshop”, St. George’s Granada, September 17–19, 2014

INCOME GENERATION

- 1) Caribbean Public Health Agency (CARPHA) and National Cancer Institute (NCI) (US\$50,000); “Identifying novel cancer treatment and prevention leads from the Jamaican biodiversity”, Awarded to Dr. R. Delgoda (PI) and collaborators.
- 2) National Health Fund (J\$7.0M); “Cancer treatment and prevention value of Jamaican natural products” awarded to Dr. R. Delgoda.
- 3) National Health Fund (J\$7.5M); “Anticancer screens of Jamaican natural and synthetic products using mice models; A necessary step for drug development ” awarded to Dr. S. Badal.

- 4) University of the West Indies New Initiative Grant 2015, (J\$1.5M), “Evaluating Jamaican Natural Extracts as Effective Pesticide Synergists to Control the Spread of ChikV & Dengue” awarded to Dr. S. Francis.
- 5) US National Institute of Health, Research Capacity Building workshop, “Improving Chronic Disease in the Caribbean through evidence based behavioural and social interventions”, July 21–23, 2015, Bridgetown Barbados, Travel grant awarded to Dr. R. Delgoda.

PUBLIC SERVICE

Simone Badal

- Science Policy chair, Society for Scientific Advancement (SoSA)

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)

The Natural Products Institute

- 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

- 1) Principal's Research Award for Most Outstanding Researcher, Faculty of Science and Technology (R Delgoda), January 2015
- 2) Award for best poster, 8th biennial meeting of the International Society for the development of natural products, October, 2014, Shanghai, China. (R Delgoda and D Picking)

- 3) Award for best poster, 3rd meeting of the Society for Scientific Advancement, Mona, November, 2014 (D Picking)
- 4) Award for most outstanding worker, Faculty of Science and Technology, Faculty Award ceremony, Ms. Kimone Stewart, Senior Administrative Assistant, March 2015

STUDENT MATTERS

- 1) David Picking, Ph.D (with Distinction), Biochemistry, Thesis title, “The contemporary use of medicinal plants in Jamaica & assessment of potential medicinal plant-drug Interactions of select plants”, graduated 2014.
- 2) Je’Ann Murray, M.Phil, Biochemistry, Thesis title, “Inhibition of human cytochrome P450 enzymes by local herbs, natural and synthetic isolates”, graduated 2014.

NEWLY ESTABLISHED OVERSEAS COLLABORATIONS

- 1) Colorado State University, Fort Collins, USA
- 2) University of North Carolina, Greensboro, USA
- 3) New York Botanical Gardens, NY, USA

Visiting academics hosted by NPI

- 1) Professor Geoffrey Cordell, Natural Products Inc.; June17–25th, 2015. Seminar entitled, “Development of plant based health care products, constraints and strategies, June 23, 2015
- 2) Dr. George Huang, Clemson University, South Carolina, USA, July 6–23, 2015

TROPICAL MEDICINE RESEARCH INSTITUTE



Professor Susan Walker, BSc *Bristol*, MSc, PhD *Lond*
Director

OVERVIEW OF THE DEPARTMENT

The Institute comprises the Epidemiology Research Unit (ERU), Sickle Cell Unit (SCU) and Tropical Metabolism Research Unit (TMRU) on the Mona campus, and the Chronic Disease Research Centre (CDRC) on the Cave Hill Campus. This report covers the Mona units with the report for CDRC submitted to the Cave Hill Principal. The primary goal of the TMRI is to conduct globally relevant research of internationally recognised quality that addresses health priorities of the Caribbean region. The TMRI continues to contribute substantially to the 2012–17 Strategic Objectives of the UWI with key areas being Research and Innovation, Graduate Studies, income source diversification and Outreach through Clinical services.

GRADUATE STUDIES AND OTHER ACADEMIC PROGRAMMES

The Institute offers Masters and Doctoral Programmes in Nutrition and in Epidemiology. In the 2014–15 Academic Year, the MSc in Nutrition was offered and the MSc in Epidemiology will be offered in the coming year. Recent graduates from these programmes have been employed by regional Ministries of Health, the private sector, Caribbean Public Health Agency (CARPHA), and in tertiary education and research.

We teach the nutrition module for the MBBS programme and also collaborate with the Department of Community Medicine and Psychiatry to teach the 3rd year MBBS and Dentistry students the ‘Understanding Research’ module. TMRI staff also teach research methods, epidemiology and statistics on several other courses within the MPH, DrPH, MSc Forensic Science and BSc Physiotherapy programmes. Short courses in Evidence Based Medicine have been offered and faculty supervised research projects for candidates in DM Programmes.

Members of our staff also contribute to undergraduate and post graduate clinical training in the MBBS and several DM programmes. We also assist other Faculties with rotations and guest lectures including candidates in the Social Work Programme by facilitating Practicum placement in the Sickle Cell Unit (SCU). The Sickle Cell Unit also facilitates rotations of practical nurses and other nurse training programmes outside of UWI.

We have active collaboration with the Faculty of Medical Sciences (FMS) in research training for staff through the FMS-TMRI research fellowships. This involves a two-year placement of FMS faculty in the TMRI for training in research with the objective of conducting and publishing a research project during the fellowship. The fellowships continue to be successful which helps to strengthen research capacity and build collaborations with the departments.

Annual Research Skills Workshops (Basic and Advanced) are offered over the summer to persons who are interested in learning more about basic research. Attendees have included UWI Faculty & Staff Members, employees of the Ministry of Health (MOH), Health Care Providers and workers in other Government and Academic Institutions.

CLINICAL SERVICE

The Institute provides significant outreach to communities through clinical services. The Sickle Cell Unit operates the only comprehensive facility for the care of persons with Sickle Cell Disease (SCD) in the English speaking Caribbean, as well as monthly clinics in Black River and Montego Bay. The SCU is a part of the Sickle Cell Working Group together with the MOH and the Sickle Cell Trust. Work to expand neonatal screening is in progress with the support of the National Health Fund. The goal is to establish island-wide screening and to provide the training needed to improve access to quality early childhood care for SCD patients. The Sickle Cell Unit also conducts a summer Teen Camp for children with SCD, aimed at increasing knowledge of the disease and the ability to cope with living with a chronic disease.

The TMRU provides in-patient care for children with severe under-nutrition, for subject volunteers of various clinical trials and experimental studies. They also provide nutritional consultations for hospitalized patients. This consultation service is currently being expanded to include fee paying services in areas such as body composition analysis and weight management. Staff from all three units provide specialist clinical services to the UHWI serving in several outpatient clinics such as internal medicine, hypertension, diabetes, endocrinology and pulmonology.

RESEARCH AND INNOVATION

Our Annual Scientific Meeting was held October 28-30, and was attended by two members of our advisory group, Professor Isaac Odame (Global Sickle Cell Disease Network, The Hospital for Sick Children, Toronto) and Dr Peter Bennett (NIDDK Division of Intramural Research, Phoenix Epidemiology and Clinical Research Branch). These meetings are used to review the quality of our research programmes and assist with identifying opportunities for further collaborations. The main research programmes were Human Nutrition and Metabolism, Endocrinology, Genetic underpinnings of disease susceptibility and severity, Sickle Cell Disease, Child Development, Chronic Non-Communicable Diseases –

Surveillance, Epidemiology and Interventions, Inflammation and Wound Healing. Collaborations and partnerships across units and research programmes have been emphasized over the past 3 years and has increased and continues to grow. Examples include the USA-Caribbean Alliance for Health Disparities Research (USCAHDR); collaborations on parenting practices and early life weight gain; neuro-cognition in Sickle Cell Disease (SCD); and metabolic aspects of SCD. As part of our efforts to promote collaboration across units and research programmes, we are working to increase joint research between Barbados and Jamaica; we have improved our video conferencing capacity which facilitates interaction by collaborators in the two countries. We are also seeking to increase projects which involve other countries in the region (e.g. Pilot of parenting interventions in the Caribbean; Implementation of a culturally sensitive peer/lay diabetes education programme for adults with type 2 diabetes in six English-speaking Caribbean countries).

Staff and students have presented their findings at several regional and international meetings, including specially invited presentations. A list of publications and presentations follows.

Staff of the Institute have obtained grant funds to support research from a variety of agencies, with significant funding from Grand Challenges Canada, NIH, the Wellcome Trust, MRC (UK), Sagicor and the National Health Fund. Additional training and mentorship for staff in writing grant proposals is needed as well as continued strengthening of UWI's grant administration support. Investment in this by the UWI will be critical in achieving the Strategic Objective, "Income source diversification".

PUBLIC SERVICE

Staff members hold leadership positions in numerous professional organisations and provide technical advice to the Ministries of Health and Education. Several staff members also serve on committees in national and regional institutions and international agencies. Details are listed under Public service below.

PUBLICATIONS

- Abdulkadri AO, Tulloch-Reid MK, Francis DK, Gordon-Strachan GM, Younger-Coleman NO, Rocke KD, McFarlane SR, Cunningham-Myrie CA, Ferguson TS, Wilks RJ, Anderson SG. WHO/ISH total risk approach for primary prevention of cardiovascular disease shows greater decrease in costs for women but not the elderly in Jamaica. *J Clin Epidemiol.* 2015; DOI: <http://dx.doi.org/10.1016/j.jclinepi.2014.11.027>
- Asnani MR, Quimby KR, Bennett NR, Francis DK: Interventions for patients and caregivers to improve knowledge of sickle cell disease and recognition of its related complications. *The Cochrane Library* 2014.
- Asnani M., Reid M. “Cystatin C: A useful marker of sickle glomerulopathy?” *Blood Cells, Molecules and Disease.* DOI: 10.1016/j.bcmed.2014.07.018.
- Asnani M., Anderson M. “The white blood cell always eat the red’: What Jamaicans with sickle cell disease know about their illness. *Ethnicity & Health* Apr 2015; Volume 2: Pages 1-15
- Asnani M, Reid, M. ‘Renal function in Adult Jamaicans with Homozygous Sickle Cell Disease’. *Hematology.* Volume 20, Issue 7 (August, 2015), pp. 422–428. Appeared Online Nov 28, 2014. DOI: <http://dx.doi.org/10.1179/1607845414Y.0000000213>
- Bahado-Singh PS, Wheatley AO, Osagie AU, Boyne MS, Morrison EYS, Ahmad MH, Asemota HN. Low to intermediate-glycemic-index Caribbean foods reduce glycemia, cardiovascular and inflammatory markers in overweight persons with type 2 diabetes. *Curr Res Nutr Food Sci* 2015; 3: 36-45.
- Baker-Henningham H. “Targeted, preventive interventions in primary school prevent mental health problems in adolescence.” *Evidence Based Mental Health* 2014-101864. Published online first 30 July 2014.

- **Baker-Henningham H.** “The role of early childhood education in the prevention and promotion of child and adolescent mental health.” *International Journal of Epidemiology* 43, 2(2014):407-433.
- **Bennett NR, Cumberbatch C, Francis DK:** There are challenges in conducting systematic reviews in developing countries: the Jamaican experience. *J Clin Epidemiol* 2015.
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- **Wilks RJ.** Epidemiology in the Caribbean: an Important Contributor to Clinical and Public Health Practice. *J Clin Epidemiol.* 2015 Feb 7. pii: S0895-4356(15)00061-X. doi: 10.1016/j.jclinepi.2014.09.027. [Epub ahead

PUBLICATIONS – SPECIAL ISSUE

Special issue of the *Journal of Clinical Epidemiology*, highlights the work of the UWI Clinical Epidemiology Unit. The issue features a historical perspective of epidemiology and the future of clinical epidemiology by **Professor Rainford Wilks**; the role of early life determinants of adult blood pressure, and how that critical period may impact the region's chronic non-communicable diseases epidemic by **Dr Trevor Ferguson** and **Professor Marshall Tulloch-Reid** served as one of the guest editors for this issue. The issue will be in press in the next few months but articles from this issue are available online at <http://www.jclinepi.com/inpress>

PRESENTATIONS

Susan Walker

- Reaching more children and families with evidence based parenting interventions. Scaling program investments for young children globally: Evidence from Latin America and the Caribbean and other developing regions. Forum on Investing in Young Children Globally, Sao Paulo, Brazil, November 10–11, 2014
- Bundling services for young children. Early childhood development Costing Workshop. The Brookings Institution, Washington DC, December 2–3, 2014
- The Jamaica Early Child Development Intervention: Efficacy to Global Impact. Plenary address; Conference on Investing in Early Child Development for a Better World. Institute for Human Development, Nairobi, Kenya, February 12–14, 2015

Monica Asnani

- Quality of life and knowledge of Jamaican adolescents with Sickle Cell Disease. Oral presentation in 'Quality of Life' workshop. 2nd Global congress on sickle cell disease held Rio de Janeiro, Brazil. November 11–14, 2014.
- Determinants of Renal Decline in Sickle Cell Disease. Oral presentation

at 7th Caribbean Institute of Nephrology conference held in Montego Bay, Jamaica. January 29–31, 2015.

- Sickle Cell Disease in Jamaica. Invited lecture to Bass Connections faculty & students at Duke University, USA. Delivered via Skype. November 20, 2014.

Angela Rankine-Mullings

- SCATE the Jamaican Experience, Haematology Grand Rounds - Cincinnati Comprehensive Sickle Cell Centre, Division of Haematology, Cincinnati Children's Hospital Medical Centre, September 3, 2014

Lesley-Gaye King

- Sickle Cell Association of Austin, Texas – “Continuum of Care 2014: Clinicians Role in Transforming the Quality of Life for Patients with Sickle Cell Disease” April 26th, 2014. Sickle Cell Disease: The International Perspective
- Caribbean Association of Oncology & Haematology Conference (Barbados) 2015 – “Challenges in Cancer Care/Treatment: the Caribbean Perspective” April 24–25th, 2015. Newborn Screening Programme for Sickle Cell Disease

Michael 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.

PUBLIC SERVICE

Susan Walker

- Board of Trustees, Environmental Foundation of Jamaica Trust Fund.
- Contributor, USAID Global Classroom on Childhood Adversity.

Tropical Medicine Research Institute

- Member, Public Health Nutrition Advisory Committee, Caribbean Public Health Agency (CARPHA)
- Member, Advisory Committee on Health Research, Pan American Health Organization

Marshall Tulloch-Reid

- Jamaica Ministry of Health - Chickungunya Research Committee and Clinical Research Subcommittee

Jennifer Knight-Madden

- Vice President of Caribbean Network of Researchers in Sickle Cell Disease and Thalassemia
- Member of Ministry of Health Sickle Cell Disease working group
- Co-chair of Sickle Cell Disease Working Group, SickKids Caribbean Initiative
- Member, Ministry of Health, Scientific and Technical Working Group

Suzanne Soares-Wynter

- Audit Committee Member and Operations Committee Member, Board of Directors, Nutrition Products Limited. Ministry of Education, Youth and Culture (Government of Jamaica) School Feeding Division.

Monica Asnani

- Caribbean Representative: Worldwide Initiative on Social Studies in Hemoglobinopathies (WiSSH)
- Caribbean College of Family Physicians:
 - Honorary Secretary
 - Co-Chair, CME Committee
 - Member, Accreditation & Certification Committee.
- Board Member of Caribbean Network of Researchers in Sickle Cell Disease and Thalassemia

- Planning and execution of Medical Seva Camp of Shri Satya Sai Baba Organization in Jamaica. Brought in 10 doctors and 9 volunteers to assist from USA along with medications. Clinics in rural areas: April 19–25, 2015.

Angela Rankine-Mullings

- Member of Jamaica Pain Collaborative (representing TMRI) November
- Member of the District Health Committee

Michael Boyne

- First Vice-President, Association of Consultant Physicians of Jamaica
- Member, Board of Diabetes Association of Jamaica
- Member, DOHAD Council
- Panel Advisor, PAHO/CARPHA Technical working group, Guidelines for the management of diabetes
- Scientific Committee, Mona Office for Research and Innovation
- Member, National Health Fund Expert Panel of Physicians
- 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

- Member, National Health Fund Expert Panel of Physicians

INCOME GENERATION

1. Title: **Developing, implementing and evaluating a teacher-training intervention to promote child mental health in the early grades of primary school in Jamaica**
Funding Agency: Grand Challenges Canada: Global Mental Health
Period of Award: Oct 2014–Sep 2016
Investigators: Helen Baker-Henningham, Yakeisha Townsend
Value of Award: CAD \$268,922

2. Title: **The “IRIE Classrooms Toolbox”: A cluster randomized trial of a universal violence prevention programme in Jamaican preschools**
Funding Agency: Medical Research Council
Period of Award: Oct 2014–Sep 2018
Investigators: Helen Baker-Henningham, Susan Walker
Value of Award: GBP 1,197,664.65

3. Title: **SickKids-Caribbean initiative (SCI): Enhancing Capacity for Care in Paediatric Cancer and Blood Disorders**
Funding Agency: The Hospital for Sick Children (SickKids)
Period of Award: 2014–2019 (subject to approval)
Investigators: Jennifer Knight-Madden
Value of Award for 2014/2015: CAD \$41,000

4. Title: **Decreasing preventable Childhood Mortality due to Sickle Cell Diseases in Jamaica (MDG4)**
Funding Agency: National Health Fund
Period of Award: Feb 2015–Jan 2016
Investigators: Jennifer Knight-Madden
Value of Award: JMD \$10,000,000

5. Title: **Expanding Treatment for Existing Neurological Disease (EXTEND) Clinical Trial**
Funding Agency: Children’s Hospital Medical Center (CHMC)
Principal Investigator: Marvin Reid, Jennifer Knight-Madden
Period of Award: December 2014–November 2017
Value: USD\$80,000 (Based on enrolment)

6. Title: **Integrating a parenting intervention with routine care to improve early developmental outcomes in children with sickle cell disease**
Funding Agency: Grand Challenges Canada
Period of Award: 2014–2016
Investigators: J. Knight-Madden, S. Chang-Lopez, M. Asnani, L. King, S Walker
Value of Award: CAD \$178,101
Value for 2014/2015: CAD \$77,089

7. Title: **Promoting global child development: A web based intervention package for parents and children, for use by community workers in low resource settings**
Funding Agency: Grand Challenges Canada: Saving Brains
Period of Award: 2013–2016
Investigators: Susan Walker, Christine Powell, Sally McGregor, Susan Chang, Helen Baker-Henningham, Marta Rubio-Codina & Jena Hamadani
Value of Award: CAD\$2 million
Value for 2014/2015: CAD \$791,797

8. Title: **Home Visiting Programs to Improve Early Childhood Development and Maternal Mental Health – Evidence from the Western Region Project**
Funding Agency: Grand Challenges Canada
Investigators: A. Brentani, S. Grisi, M. Simões, G. Fink, S. Chang-Lopez, C. Powell.

Tropical Medicine Research Institute

Period of Award: 2014-2016

Value of Award: CAD \$250,000

9. Title: **USA-Caribbean Alliance for Health Disparities Research (USCAHDR)**
Funding Agency: Sullivan Alliance
Investigator: Rainford Wilks
Period: 2011–2016
National Institute on Minority Health and Health Disparities
Cooperative Agreement No.1U24MD006959-01, NIH –
US\$4,799,063.00
9. Title: **Integrative Global Research on Sickle Cell Disease**
Funding Agency: Bass Connections Grant, Duke University
Co-Investigator: Jennifer Knight-Madden
Value: US\$ 25,000.00
Period: July 1, 2014–June 30, 2015
10. Title: **‘CIJA Study’. Chronic Illness in Jamaican Adolescents**
Funding Agency: UNICEF
Co-Investigator: Jennifer Knight-Madden
Value: US\$ 35,000
Period: June 2014–2015.
11. 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
Investigators: Jennifer Knight-Madden, Angela Rankine-Mullings
Period of Award: 2013–2016
Value: USD\$100,000.00 (estimated, depends on patient enrolment)

UWI SOLUTIONS FOR DEVELOPING COUNTRIES (UWI SODECO)



Professor Terrence Forrester, DM, FRCP, PhD
Chief Scientist

WORK OF THE DEPARTMENT

What is UWI SODECO? UWI SODECO is a novel type of UWI research entity intended to be lower cost for both establishment and operations, to be global in its operations and networking, to leverage its global network to focus on big research questions from a stance that yields research findings proximate to product, and thus, to bring benefit to poor populations in developing countries and kudos to The University of the West Indies.

Why that structure? UWI SODECO is deliberately structured as a research charity, embedded in UWI, to facilitate it receiving funds and gifts from a range of sources. The structure assures UWI SODECO is embedded functionally in its constituencies; these include the Global Network of Researchers and the populations they serve, and the Local and Foreign Network of Philanthropists and commercial entities from

which it receives support. It is governed by a board which is Chaired by the UWI Vice Chancellor or designate, and comprising, the CEO, 6 UWI Members and 4 Private Sector Members all of whom serve on Campus Council and/or the University Council. The private sector members as Trustees of the overall mission to improve health in developing countries, have been planning the establishment of the research entity since 2003, and have been instrumental in raising some J\$150 million dollars to help establish UWI SODECO. Major donors have given primarily through the framework of UWI Development and Endowment Fund, and include overseas donors, Jamaica National Building Society Foundation, and Jamaica Producers Group. UWI SODECO's governance arrangements are deliberately flat to enable rapid, focused, informed and out of the box decisions to enable nimbleness in operations. UWI SODECO as a double headed coin, has its Charity structure on one side, and UWI department on the other, and this property enables it to function with a familiar and user-friendly feel both within and outside the UWI.

WHAT ARE UWI SODECO'S MAIN GOALS?

UWI SODECO aims to solve one big medical question; what are the molecular mechanisms underlying the greatly increased risk of obesity, diabetes, hypertension, stroke and heart attack affecting populations, poor for generations, who adopt western economic arrangements; See details in the Research Programme below.

UWI SODECO intends to have its research findings used to create novel interventions to prevent or treat these chronic diseases; Discoveries from this research can reach to product through two main paths. Firstly, the agencies that fund the research, e.g., the National Institutes of Health and The Bill and Melinda Gates Foundation, both have structured means of engaging industry to uptake findings and use them to develop products that improve health. Secondly, UWI SODECO will increasingly pursue collaborating with academics who are skilled in pharmacogenomics to learn/participate in the proximate steps in this discovery-to-drug process. This path is being developed in conjunction first with our

collaborators at University of Maryland; plans have also been formulated to follow suit with one at Harvard later in 2015.

UWI SODECO aims to convene appropriately skilled partners to solve other societal problems whose solutions create economic gain.

Solutions for Society, a think tank within UWI SODECO, partnered with the private sector in Jamaica and international agencies to provide the Bank of Jamaica, Ministry of Finance and the Jamaican Financial Sector a blueprint to implement mobile financial services using the existing financial companies, and the two telecoms providers. This report has been used by the Bank Of Jamaica to inform its recently published regulations governing the area.

Earlier in 2015 UWI SODECO handed over to the reconstituted National Commission on Science and Technology its PIOJ adopted project to lead the development of a national science policy.

The current project is in its planning stages, again involving the Jamaican private sector, the PIOJ and international agencies to provide to the Ministry of Finance and Planning and the Private Sector some options for driving economic growth in Jamaica, a topical subject.

WHAT IS UWI SODECO'S STRATEGY TO ACHIEVE ITS GOALS?

Global Stance

UWI SODECO deliberately functions as a node in a selected global network, with other nodes chosen to bring to bear specific skills required to get the job done. With its current goal, the molecular unravelling of underlying mechanisms of obesity and comorbidities, UWI SODECO has identified for best fit a number of University institutions including: University of Auckland, Liggins Institute, Sir Peter Gluckman, Dr. Allan Sheppard and Dr. Tony Pleasants for developmental biology and epigenetics; University of Maryland, Professor Richard Macko, Professor Charlene Hafer-Macko, Professor Alice Ryan, Professor Fred Ivey, Professor Braxton Mitchell, Dr. Anindo Roy, for neuroscience, exercise physiology and genomics; Loyola University of Chicago, Professor Amy

Luke, Dr. Ramon Durazo, Professor Richard Cooper for chronic disease epidemiology in African populations; University of Wisconsin, Madison, Professor Dale Schoeller, for energy metabolism; Baylor College of Medicine, Professor Farook Jahoor, for stable isotope metabolism; University of London, St. Thomas' Hospital, Professor Kennedy Cruickshank, for cardiovascular epidemiology; Kwame Nkrumah University of Science and Technology, Dr. Jacob Plange-Rhule for ecological contrasts for nutrition, epidemiology and epigenomics; University of Cape Town/MRC ZA, Professor Bongani Mayosi, Professor Andre-Pascal Kengue, for ecological contrasts for nutrition.

Global Staff

UWI SODECO has chosen members of the network not only for scientific skill, but a shared commitment to use this network to train and season young academic staff so as to fit them to function seamlessly in the global research environment.

WHAT INVESTMENTS ENABLE UWI SODECO TO PURSUE ITS GOALS?

At inception, UWI and the private sector made capital investments.

Physical Infrastructure:

UWI Mona allocated space (25 West Road to function as UWI SODECO headquarters; two new laboratories in the Faculty of Medical Sciences Teaching and Research Complex for basic science; ground floor space in the former UHWI School of Nursing to serve as Clinical Science Laboratories; a house on College Common to serve as Visiting Fellows' Residence). The laboratories have been equipped with state of the art basic science equipment with the use of a J\$60m grant from UWIDEF. Headquarters and Visiting Fellow's Residence have also been refurbished with grants from UWIDEF and Jamaica National Building Society Foundation. The UHWI former School of Nursing building is being

refurbished by a J\$30m grant from UWIDEF to the University to serve as UWI SODECO Clinical Science Laboratories.

WHAT HAS UWI SODECO ACCOMPLISHED IN THE FIRST 2 YEARS OF OPERATION?

UWI SODECO began operations May 2013 when it moved into its headquarters at 25 West Road, UWI Mona Campus. Over this 2 year period it has established its infrastructure for research and administration, while simultaneously delivering its current research programme. Importantly we are aggressively going after new funding primarily from the US National Institutes of Health in order to extend the research funding from December 2016 five years forward.

RESEARCH PROGRAMME

Below is a brief summary of the research strategy pursued by UWI SODECO to achieve its goal of illuminating the molecular mechanisms of the increased risk for obesity and cardiovascular disease experienced by populations with a history of malnutrition over generations.

Background

- There is a global epidemic of obesity and associated diseases, hypertension, diabetes, and their vascular consequences, stroke and heart attack.
- The burden of these diseases rests heavily on developing world populations.
- Obesity and its associated diseases grow increasingly common when populations, previously poor and undernourished, enter the global economy and food becomes more available along with changes in social and economic organization which lead to more sedentary lives.
- There is growing recognition that the risk of obesity and its associated diseases is amplified by under-nutrition in early life, sometimes beginning in utero, as well as going back several generations.

UWI Solutions for Developing Countries

- Intergenerational under-nutrition affects approximately 40% of the global population and rests heavily on sub-Saharan Africa, rural India and China, and Latin America and the Caribbean.
- Left unattended, the burden of disease will rise exponentially, and its effects on morbidity, individuals' ability to work, and interruption of investment in children in families will retard economic development at country level.
- There has been a global response at national and UN levels along two main tracks. First, public health interventions have been designed to prevent disease, and second, health system responses to assure better, more efficient management of disease recommended. However, despite ramped up efforts, the epidemic continues virtually unabated especially in developing countries.
- Awareness has therefore arisen for the need for game changers and many institutions are focused on this issue.
- UWI SODECO's approach makes the assumption that knowledge of the underlying molecular mechanisms that drive the obesity and chronic disease responses to increases in availability of food and reduction in activity levels, especially in inter generationally undernourished peoples, is a pre-requisite to identifying game changing prevention and cure strategies.
- UWI SODECO through its global network is tasked to devise one specific scientific approach to the problem: to use cutting edge technologies to search for and find underlying molecular mechanisms of amplified risk existing in previously undernourished populations and to use this knowledge to guide the crafting of novel interventions for prevention and treatment.
- The combination of infrastructure as described and research grants in hand extending through December 2016 has enabled thought leadership from Jamaica in the area of the interaction of malnutrition, developmental biology, and risk of obesity and associated diseases to combine with other expertise in the network nodes to tackle this problem.

Research Deliverables

When this set of current projects is complete in December 2016, we would have:

- i) described the molecular pathways that underpin both the heightened risk of obesity and cardiovascular disease resulting from intergenerational malnutrition.
- ii) described those pathways in muscle that respond to exercise to reverse the increase in risk of cardiovascular disease resulting from stroke, the preeminent complication of obesity and its comorbidities.

UWI SODECO CONTRIBUTING TO RESEARCH IN THE FACULTY OF MEDICAL SCIENCES

UWI SODECO operates de facto as a University Research Unit within the Faculty of Medical Sciences, UWI Mona Campus. From its inception, UWI SODECO has worked closely with the Dean, Professor Horace Fletcher and the designated officer responsible for research, Deputy Dean, Professor John Lindo to further research in the faculty. The collaborative team UWI SODECO/FMS Research Dean's Office has proposed to the Dean, a three pronged programme now being implemented with the Dean's approval. The first intervention is a strategic one and is an external peer evaluation of research in the Faculty led by an external body based at the University of Nottingham. The results of the research assessment will be used to create a strategic plan for research for the Faculty and identify network assets who can contribute to key elements of that strategy. The second intervention is an accelerated programme to identify and train research leaders in Departments. The Faculty has agreed to reallocate time and modify evaluation criteria appropriately to allow Research Leaders 80% time to focus on research so as serve as the engines within their departments for research. Clinical and Teaching Faculty will thus have a Departmental focal point for research in which they can participate without carrying the full burden of research and clinical/teaching simultaneously. The first three candidates have been agreed and are being enrolled in a tightly run PhD programme embedded

in the UWI SODECO research programme with a three year graduation timeline. The third intervention is designed to broaden support for Research Leaders and other research active Faculty; it is the constitution of a local network of research active senior scientists around whom mentorship will be organised more broadly.

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PRESENTATIONS

- **Green, C.O.** Methods for treating hypercholesterolemia using Ortanique Peel extract. Scientific Research Council. 3rd Biennial S&T Conference. Display Booth. The Conference Theme: Green gold: Medicinal Ganja and other natural products – a potential source of wealth. The Ballroom: Jamaica Pegasus Hotel. November 10–12, 2014.
- **Green, C.O.**, Wheatley, A. O., McGrowder, D.A., Dilworth, L. L., and Asemota, H. N. Ortanique peel PMFs extract (PMFort©) for hypercholesterolemia. Faculty of Medical Sciences. Competitiveness productivity and Innovation in a global environment. Poster. Principal Research days, 2014.

PUBLIC SERVICE

Professor Terrence Forrester

- Membership on, National Commission on Science and Technology
- Membership on, Ministry of Education, STEM Committee

Dr. Curtis Green

- Member of the American Society for Nutrition (ASN)
- Member of the American Physiological Society (APS)
- Member of Society for Scientific Advancement (SOSA)

Dr. Patrice Francis–Emmanuel

- Executive member of the Caribbean Endocrine Society

Dr. Claudia Campbell

- Mentor in the Y.U.T.E (Youth Upliftment Through Employment) program
- Member of Kiwanis Club, Kingston and St. Andrew

DISTINCTIONS, HONOURS, SCHOLARSHIPS AND AWARDS

2014: First Place: “National Innovations awards”– awarded by the Ministry of Science and Technology in the Category “Health and Safety” – **Dr. Curtis Green**

2014: Principal’s award for Most Outstanding Research Activity – **Dr. Curtis Green**

Endocrine Society “Early Career Forum Travel award” (March 2015) – **Dr. Patrice Francis-Emmanuel**

STUDENTS

Three PhD students enrolled 2015.

MONA AGEING AND WELLNESS CENTRE



Professor D. Eldemire-Shearer,
Head

OVERVIEW OF THE MONA AGEING AND WELLNESS CENTRE

The Mona Ageing and Wellness Centre (MAWC) in its tenth year of existence has continued its mandate of research, teaching and community service addressing age-related health, socioeconomic and health policy needs of the country and the Caribbean.

The MAWC has formed and maintained linkages with key stakeholders that are important for the fulfilment of its mandate. These include: the National Council for Senior Citizens in the Ministry of Labour and Social Security, non-governmental organizations (NGOs) e.g. HelpAge Jamaica, HEART Foundation of Jamaica, HelpAge International (Caribbean), Caribbean Community of Retired Persons (CCRP), National Health Fund and the Board of Supervision (a statutory body operating in the Ministry of Local Government and Community Development). The MAWC continued its close association with the Faculties of Medical

Sciences and Social Sciences along with several international universities e.g. Case Western Reserve, the University of North Carolina at Chapel Hill, The University of Manitoba, University of Minnesota and The University of South Florida.

In its relatively short history, the MAWC has produced outstanding, innovative and robust research that has been published in highly respected and peer-reviewed journals. The MAWC's research has also been translated into landmark health policies and programmes that have positively impacted the lives of Jamaican and Caribbean older adults.

VISION, MISSION, AIMS AND OBJECTIVES

Vision

The Mona Ageing and Wellness Centre will be recognized nationally, regionally and internationally as a centre of excellence in gerontology research, teaching, policy development and community service.

Mission

The mission of the MAWC is to improve the health and wellness of the older adult population nationally and regionally through novel ageing research, policy development, teaching and community outreach.

The MAWC aims are to

- Promote healthy ageing throughout the life course
- Critically examine the biophysical, socioeconomic and psychological issues associated with ageing and propose appropriate programmes and successful models
- Strengthen knowledge and understanding of ageing issues across the region
- Promote the development of policy across the region

The specific objectives of the MAWC are to

- Develop an interdisciplinary programme of ageing studies within the University
- Work with Caribbean states and relevant agencies to develop policies and programmes to meet the challenge of population ageing.
- Disseminate current evidence on age-related issues.
- Establish and maintain current linkages with national, regional and international institutions concerned with and working on age-related issues
- Provide a service to older persons through an activity programme
- Provide seminars for older persons and other interest groups on pertinent issues such as – retirement, pre-retirement, caregiver issues and the management of chronic diseases
- Develop a systematic programme of community outreach that will raise the visibility of the UWI nationally and regionally

ACTIVITIES OF THE MAWC: 2014–2015

During the year under review, the 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.

The activities of the MAWC for 2014–2015 will be reviewed under the following headings

1. Research
2. Teaching
3. Community Service

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:

1Health 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 finding 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)

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.

Census of Older Adults Living in Communities around the UWI, Mona

The MAWC conducted a health and social status census of older adults in August Town, Elleston Flats, Hermitage, Mona Commons, and surrounding communities (2014). The project, funded by HelpAge Jamaica, initially aims to assess the needs of older adults in these communities including socio-demographic status, presence of chronic diseases, housing condition, disaster potential, training needs and screening for geriatric giants – falls, cognitive function, urinary incontinent and depression. In fulfilling the UWI mandate of community service, the next stage of the project will see the MAWC partnering with NGOs as well as the public and private sectors to appropriately respond to needs identified.

Sarcopenia and Ageing

The MAWC is currently collaborating with Solutions for Developing Countries (SODECO), headed by Professor Terrence Forrester, in Sarcopenia research. Sarcopenia is associated with an increased likelihood of falls and impairment in the ability to perform routine activities of daily living especially in older adults. This project is in the data collection phase using the cohort of older adults contacted during the "Health and

Social Status of Older Persons”.

Effectiveness of mobile health technology and support-group interventions to improve medication, dietary, exercise compliance and patient-provider communication among older adults with diabetes mellitus in Jamaica: A randomized controlled trial (2015).

The Mona Ageing and Wellness Centre in association with Millennia Community Foundation a non-profit organization in the State of Florida applied to the NIH Fogarty Grant for grant funding in February 2015. The project was not funded.

Effectiveness of mHealth interventions for improved patient-provider communication, adherence to treatment and self-management for older adults with type 2 diabetes mellitus in Jamaica: A RCT

The Mona Ageing and Wellness Centre in association with Millennia Community Foundation a non-profit organization in the State of Florida applied to the NIH Fogarty Grant for grant funding. The proposal was submitted to NIH in June 2015 and is currently in the review stage.

TEACHING

Teaching is considered a core function of the MAWC. All members of the academic staff teaches across all undergraduate and postgraduate programmes of the Department of Community Health and Psychiatry in subjects such as research methods, biostatistics, epidemiology, primary health care, health management, gerontology and geriatrics. The teaching in gerontology/geriatrics is important in enhancing the education of medical, nursing, social work, public health and family medicine students at the UWI.

During the year of review, the MAWC in association with the Department of Community Health and Psychiatry also developed two new 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. The proposal for the new programmes was approved by the UWI in April 2014 to be offered

in the new academic year. After advertisements, there were five (5) applicants for the Master of Public Health in Gerontology and four (4) applicants for the Post Graduate Diploma in Gerontology. Unfortunately most students either deferred their acceptance to the following year or asked for leave of absence. The reasons for leaves of absence were illness related largely because of the impact of the Chikungunya virus which caused lengthy absences from class and in one instance triggered a resurgence of underlying illnesses.

The courses in this programme are available to the MSc clinical nurse specialist (gerontology) at the UWI School of Nursing, Mona.

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.

Census of Older adults

An ambitious and extensive community service project was started in this review year with the first phase being the census of older adults living in communities around the UWI, Mona. The census, carried out by a team of MAWC staff and funded by a grant of US\$1,000 from HelpAge Jamaica, was done to determine the health and social needs of older adults. The next phase of the project will see MAWC partnering with various organizations including the UWI Township Project to develop appropriate interventions.

Dementia Support Group

In response to the increasing concerns about mental health and older adults, The Mona Ageing & Wellness Centre under the auspices of Prof. Denise Eldemire-Shearer (Executive Director) and the Mental Health

Department of the Ministry of Health, Jamaica under the auspices of Dr. Maureen Irons-Morgan (Director) organized a Stakeholders' Consultation to facilitate the development of a Dementia Support Group Programme. Mrs. McKoy-Davis, in the Mona Ageing & Wellness Centre, coordinates activities around this initiative.

Key government and non-government stakeholders were invited to participate in the Consultation held on Wednesday May 20, 2015. The objectives of the Consultation were to: a) Identify areas for prioritization in dementia care and support and b) Formulate/conceptualize a framework for the development of a Dementia Support Group.

The members of the meeting decided that consultation was required with caregivers of persons with Dementia in order to know and understand the needs of care-givers (including mode of support provision) which may vary.

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 15 older adults attended classes for introductory computer skills.

This year, an advanced computer class was designed and will commence in the next academic year. These classes will include introduction to 1) the use of social media to remain in contact with family, locally and abroad (video conferencing), 2) transferring and archiving pictures on phone and camera and 3) securing and protecting online passwords.

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 a 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 Brochures

The Mona Ageing and Wellness Centre in keeping with its mandate of providing current, accurate and evidence-based information revised fifteen brochures to ensure uniformity of presentation and readability. Four new brochures were developed on caregiver issues, diabetes mellitus, dementia and mental health issues among older adults. The process will continue in identifying other important topics for brochure production. This initiative was led by Mrs. Julian McKoy-Davis.

Online Presence

The Mona Ageing and Wellness Centre, in this academic year has also developed a Facebook page <https://www.facebook.com/uwimawc> – to provide a mechanism of disseminating valuable information to the public on various topical issues. The web page also allows for mutual exchanges between the Centre and our stakeholders. This initiative was led by Mrs. Douladel Tyndale.

PUBLICATIONS

Peer-reviewed Journal Articles

2014–2015

- Mitchell-Fearon, K., **Waldron, N.**, Laws, H., James, K., & Holder-Nevins, D. **Eldemire-Shearer, D.**, (August, 2014). Hypertension and Diabetes Prevalence in Older Persons in Jamaica, 2012. *West Indian Medical Journal*, 63(5): DOI: 10.7727/wimj.2014.065.
- Mitchell-Fearon, K., James, K., **Waldron, N.**, Holder-Nevins, D., **Willie-Tyndale, D.**, Laws, H., & **Eldemire-Shearer, D.** (December, 2014). Falls amongst community-dwelling older persons in Jamaica. *Sage Open*, DOI: 10.1177/2158244014564351
- Standard-Goldson, A., Williams-Green, P., Smith, K., Segree, W., James, K., **Eldemire-Shearer, D.** (January, 2015). Building family medicine postgraduate training in Jamaica: Overcoming challenges in a resource-limited setting. *Educ Prim Care.*, 26(1), 18–23.
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- Mitchell-Fearon, K., **Tyndale, D.**, **Waldron, N.**, Holder-Nevins, D., James, K., Laws, H., & **Eldemire-Shearer, D.** (2015). Cardiovascular disease and Cancer: A dichotomy in utilization of clinical

preventive services by older adults in a developing country. *Gerontology and Geriatric Medicine*.

ORAL PRESENTATIONS

- **Eldemire-Shearer, D.** (2014). “Retirement! A new beginning? Lifestyle planning”. STATIN: Retirement Planning Seminar 2014
- **Eldemire-Shearer, D.** (2015). Older persons in Jamaica 2012 findings of Study. HPM’s Jamaica House August 26, 2014
- Gibson, R., Mitchell-Fearon, K., **Waldron, N.**, Abel, W., James, K., **Willie, D.**, Laws, H., Holder-Nevins, D., & **Eldemire-Shearer, D.** (2014). “Lifestyle issues and depressive symptoms among a nationally representative sample of community dwelling older persons”. XVI World Congress of Psychiatry, Madrid, Spain, September 14-18, 2014.
- **Eldemire-Shearer, D.** (2015). “Risk factors for hypertension in the elderly”. 7th Annual International Conference on Nephrology and Hypertension. January 29–31, 2015 at the Montego Bay Convention Center.
- **Eldemire-Shearer, D.** (2015). “Mental health issues in older persons”. CCFP 6th Triennial Conference 2015 – “Family Physicians: Integrating Mental Health Care into Family Practice at the Mona Visitors’ Lodge February 6, 2015
- **Eldemire-Shearer, D.** (2015). “The psychological impact of chronic diseases on aging”. Annual Scientific Conference of the Medical Association Bahamas March 5, 2015
- **Eldemire-Shearer, D.** (2015). “Ageing: How to do it successfully and live life to the fullest”. Department of Correctional Services June 23, 2015
- **Eldemire-Shearer, D.** (2015). “Older persons Jamaica 2012”. National Council for Senior Citizens’ Conference on Ageing and Development – Ensuring an Enabling and Supportive Environment. June 25, 2015.

- **Eldemire-Shearer, D.** (2015). “Wellness and wellbeing”. Bethel Baptist Church Vacation Bible School Programme. July 20 2015
- **McKoy-Davis, J.** (2015). “Handling leisure time”. Bethel Baptist Church Vacation Bible School Programme. July 21 2015
- **Eldemire-Shearer, D.** (2015). “Relationship and Intimacy”. Bethel Baptist Church Vacation Bible School Programme. July 22 2015

PUBLIC SERVICE

MAWC academic staff have served the public in various organizations nationally and internationally including:

Professor D. Eldemire-Shearer

- 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, Gerontological Association of America
- Member, International Federation of Ageing

Dr. Norman Waldron

- Programme Director, HelpAge Jamaica
- Member, FMS Committee on Graduate Studies and Research
- Reviewer, McMaster Online Rating of Evidence (MORE)

Mrs. Douladel Tyndale

- Member, Gerontological Society of America
- Member, HelpAge Jamaica

- Member, International Epidemiological Association
- Member, UHWI/UWI/FMS Ethics Committee
- Reviewer, *West Indies Medical Journal*

Mrs. Julian McKoy Davis

- Member, HelpAge Jamaica
- Member, Gerontological Society of America

WESTERN JAMAICA CAMPUS

Montego Bay

Year ending July 31, 2015



LUZ LONGSWORTH

BA, MBA *UWI*, MA *Queens*, DBA *Bath*

Campus Director

– Overview –

WORK OF DEPARTMENT

The academic year 2014/2015 saw the realization of the physical expansion of the UWI Mona – Western Jamaica Campus as a result of the tremendous growth in student numbers. With an overall increase of 35% new students from the August 2014 intake (Fig.1), the Campus had been proactive in acquiring additional classroom and office space in the neighboring building at the Praise Plaza. This resulted in the opening up of 6 new classrooms, new staff offices, the Mona School of Business and Management, the conference room, and the movement of the Facilities Management Unit to more comfortable surroundings.

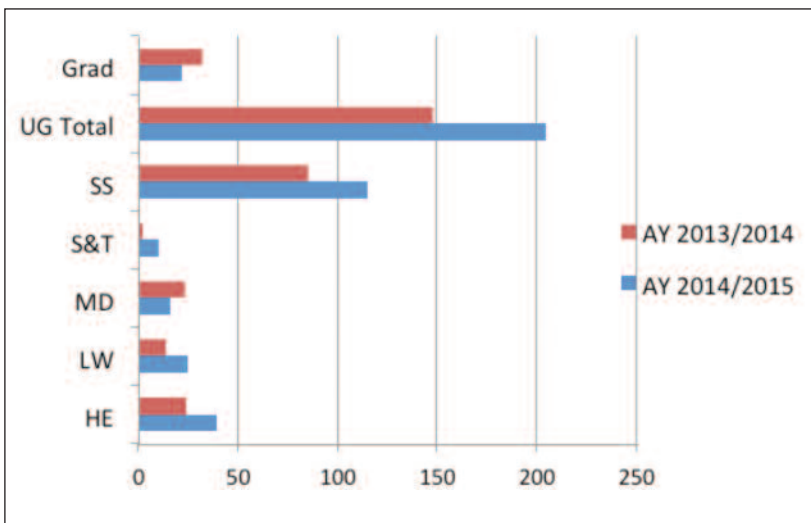


Fig. 1. Bar Graph comparing enrollment statistics at WJC for academic year 2013/2014 and 2014/2015 at the graduate and undergraduate (by faculty) levels.

The campus also saw an increase in academic staff in the areas of Nursing, Government, and Mathematics. New courses were introduced by the Institute of Caribbean Studies, the Institute of Gender and Development Studies and the Department of Government. Both the addition of new faculty and courses underscore the growing interest in the offerings of the UWI Mona-WJC and the need for improved market intelligence to introduce relevant programmes in the region.

The year also saw continued efforts to raise funds for student scholarships and bursaries through the efforts of the WJC Ambassadorial Corps and the MoBay City Run Committee as well as other donors from the wider Western Jamaica community. Our students excelled in the field of intra and inter institutional debating and the campus had two students and one staff member representing at the World University Debate Competition in December of 2014. Additionally, the UWISON-WJC received the prestigious Nursing School of the Year Award from LASCO and the Nursing Association of Jamaica. Two nursing students (Latter Barker and Sasha-Marie Paul) were placed in the top three of the Nursing Student of the Year competition.

The campus continued its active involvement in community outreach and engagement with the business sector through joint activities with the Montego Bay Community College, Cornwall College and interaction with the Canterbury Community. Chief among these was the successful piloting of the UWI Community Film Project at the UWI Mona-WJC by the Centre for Tourism Research and Policy which also helped to widen our outreach to the Canterbury and Norwood communities (see appendix).

The campus also continued its active membership in the Business Process Industry Association of Jamaica (BPIAJ) and the Montego Bay Chamber of Commerce and Industry (MBCCI) where Mr. Patrick Prendergast was elected as a Director in April 2015.

In addition to outreach, the campus continued to engage the community with its lecture series, book launches and panel discussions. Notable lectures during the year included:

- *We Don't Want No Charity* by then principal of the UWI Cave Hill campus, Professor Sir Hilary Beckles
- *Freedom's First Fruits: Blacks in Post Slavery in Western Jamaica up to 1865* by Dean of the Faculty of Humanities and Education, Dr. Swithin Wilmot
- *Serious Things! Comedy and Comedians – Insights on Identity Communication in the Caribbean* by Jamaican theatre artiste, Owen “Blacka” Ellis
- *World Politics and the Process Towards Fence Mending* by the Russian Ambassador to Jamaica, Valdimir Polenov
- *Grassroots Activism: Leveling the Field for Citizen Participation in Democratic Societies*, by Martin Luther King scholar, Dr. Clayborne Carson, hosted by the US Embassy.

The campus also worked closely with colleagues in the Mona School of Business and Management to facilitate the hosting of two international conferences during the year:

1. The International Tourism conference in November of 2014, and
2. The first International Conference on Business and Management in January 2015.

On May 1, Mr. Patrick Prendergast took over the reins as Acting Director of the Campus following the assignment of Dr. Luz Longworth as Acting Principal at the UWI Open Campus.

PAPERS PRESENTED

Conference Papers

- **Anderson, Ricardo, Stascia Gordon,** and Gunjan Mansingh. “An assessment of the potential impacts of knowledge-driven decision support in social welfare.” In Global Humanitarian Technology Conference (GHTC), 2014 IEEE, pp. 499-505. IEEE, 2014.

CONFERENCE PRESENTATIONS

- **Larmond, Kerasha.** “The Problem with Leaders: Enhancing Effective Leadership Competency through Programme Delivery”. Caribbean Tertiary Level Personnel Association Conference. Trinidad & Tobago. June 2015. (Oral presentation).

PUBLICATIONS

Refereed Journal Articles

- **Anderson, Ricardo,** and Gunjan Mansingh. "KIISA: Towards a Reference Architecture for Integrated Knowledge Services." In *Intelligent Systems' 2014*, pp. 247–257. Springer International Publishing, 2015.
- **Anderson, Ricardo,** and Gunjan Mansingh. "Data Mining Approach to Decision Support in Social Welfare." *International Journal of Business Intelligence Research (IJBIR)* 5, no. 2 (2014): 39–61.
- Anderson, Ricardo, “A Model for Data-driven Knowledge Creation and Improved Accountability in Jamaican Public Schools through ICTs” *The International Journal of Educational Organization and Leadership* 21, no. 2 (2015): 1–7.

2014–2015 OUTREACH ACTIVITIES AT WJC

- The campus hosted another successful two-day Open House in January 2015 which saw nearly 2000 students attending CAPE lectures and viewing exhibitions from all Faculties at UWI Mona. This continues to be a signature event in the WJC’s annual outreach calendar.
- Through collaboration with Professor Ian Boxill, the UWI Community Film Project initiative sought to offer youth from the Norwood and Canterbury communities a six week film course. Thirteen young persons from both communities completed the programme.
- The Computing Department of the Faculty of Science and Technology

offered a series of Mathematics Workshops across several Western Jamaica-based secondary education institutions, including the Manning's High school. This programme sought to assist CSEC students in acquiring entry level requirements for UWI and to market the institution to prospective applicants.

- UWI Mona-WJC lecturer, Miss Stascia Gordon of MSBM delivered a special training seminar on budgeting and preparing financial statements for members of the Montego Bay Chamber of Commerce and Industry and others from within the corporate sector.
- The campus also facilitated student visit from the Old Dominion University. A group of 10 students spent a week at the campus where they had an enriching UWI Mona-WJC experience and participated in a project with the Women's Centre, which was facilitated by Mrs. Verona Henry- Ferguson, Lecturer in UWISON-WJC. From this the coordinators have expressed their willingness to return to WJC in the coming academic year.
- In June 2015, the UWI Mona-WJC partnered with the RuJohn Foundation from California in hosting the Celebrity and Sports Camp for the second time. The camp is an annual event promoted by a Jamaican diaspora group, headed by Mrs. Ingrid Bachelor. WJC Guild members and past beneficiaries of the Foundation's multimillion dollar scholarship programme were active mentors and administrative leaders helping to make the event a success.
- The UWI Mona-WJC Guild of Students also collaborated with private sector partners in hosting the UWI Kids Summer Camp at the campus from July 17–21. Over 400 students participated in the 5-day camp which exposed children from mainly inner-city Montego Bay communities to various social, sports and cultural activities.
- The UWI Mona-WJC was also pleased to host an evening of the prestigious GATTFEST on Friday July 24th featuring 15 films. This was the first time that the Film Festival had moved outside of Kingston. The People's Choice award was won by Ms. Marsha James of Canterbury who was a participant in the first cohort trained by the UWI Community Film project at the WJC.

INCOME GENERATION

As the UWI Mona-WJC seeks to assist its students in funding their education, the institution has also been pursuing several avenues in order to generate income. These include:

- A partnership with the Secrets Resort and Spa to offer Level 1 Spanish classes to its employees.
- Rental of the UWI, Mona-WJC facilities as a venue.

Student Financial Assistance

The UWI Mona-WJC has made it a priority to assist its students in overcoming the financial challenges consequent on their pursuit of tertiary education. This is a strategic attempt at both increasing and sustaining students' chances of enrollment at the institution. With this mandate, the campus has been successful in:

- Negotiations with the Board of Directors of the Doctor's Cave Beach Club to establish the Emile Martin Foundation Scholarship to be made available to students in pursuit of at least a minor in Cultural Studies. The scholarship offers coverage of full tuition for the three year duration of the course.
- The National Health Fund providing assistance to five students enrolled in the nursing programme, amounting to a total of JMD one million.
- Collaborating with the MoBay City Run Committee for the second staging of its "Running for Education . . . Hope for the Future" 5K/10k/Run/Walk which has afforded the UWI Mona-WJC to offer approximately J\$1.1 million in student assistance.
- The continuation of the MAICAN IMPACT Foundation scholarship award of CAD2500 to a student enrolled in the BSc Nursing programme. This year's awardee was Francine Leslie.

The establishment of the WJC Ambassadorial Scholarship Fund with an initial funding of JAD392, 000.

PUBLIC SERVICE

The UWI Mona-WJC continues to be a member of the Montego Bay Chamber of Commerce and Industry. The Campus Director, Mr. Patrick Prendergast currently holds a seat on the Board of Directors of the Chamber with responsibility for Youth, Sports and Culture. Membership in the Chamber strengthens the campus' effort in collaborating with corporate entities of Montego Bay and positioning the University as lead educational institution in the overall development of the region.

STUDENT AWARDS

The UWI Mona – Western Jamaica Campus remains committed not only to the academic development of our students but also to their personal and professional enrichment. The OSSD Student Mentorship and Guild Mentorship Programmes have played a significant role in the coaching of WJC students as they prepare to make their mark in society.

One of our students, Guild President Aubrey Stewart, is a part of this mentorship programme. He received the UWI Student Premier Leadership Award. He was also given the distinct honour of introducing President Barack Obama during his Town Hall meeting at the UWI Mona in April 2015.

SUMMARY

The UWI Mona – Western Jamaica Campus continues to grow and to play its role in furthering the UWI's mission in the Western part of Jamaica. The close partnership with the business and civil society in St James and other western parishes has positioned the campus as a genuine partner in the development of the city as well as strengthening the UWI tradition of excellence. We are a vibrant and growing intellectual space for meaningful exploration of thoughts and ideas and finding solutions to the problems of the society in which the University must operate.

With the imminent expansion of the campus, the UWI Mona – WJC will continue to increase its academic offerings. The thrust is towards new and unique areas of growth and providing leadership and support for the development of higher education and training in Western Jamaica.

