

NC STATE UNIVERSITY

**Center for Integrated Fungal Research
Center for Integrated Pest Management
Center for Geospatial Analytics**

**Pests and Pathogens Research Showcase
September 14, 2022 (9am – 12:15 pm)
*Breakout Rooms from 12:15 pm - 1:00 pm***

AGENDA & PARTICIPANTS

9:00 am

Welcome (9:00-9:10 am)

- **Dr. Adrian Percy**
Executive Director
North Carolina Plant Sciences Initiative
<https://cals.ncsu.edu/plant-and-microbial-biology/people/adrian-percy/>

Center for Integrated Fungal Research Overview (9:10-9:20 am)

- **Dr. Marc Cubeta**
Associate Director
Center for Integrated Fungal Research
<https://cals.ncsu.edu/entomology-and-plant-pathology/people/macubeta/>

Center for Integrated Pest Management Overview (9:20-9:30 am)

- **Dr. Yulu Xia**
Associate Director
Center for Integrated Pest Management
<https://cipm.ncsu.edu/people/yuluxia/>

Center for Geospatial Analytics Overview (9:30-9:40 am)

- **Dr. Ross Meentemeyer**
Director
Center for Geospatial Analytics
<https://cnr.ncsu.edu/geospatial/people/ross-meentemeyer/>

Logistics (9:40-9:45 am)

- **Dr. Lauren Quevillon**
Research Scholar
Center for Integrated Pest Management
<https://cipm.ncsu.edu/people/lequevil/>

University Gifts (9:45-9:55 am)

- **Ms. Dinah Schuster**
Senior Director Development, NC Plant Sciences Initiative
Executive Director, NC Agricultural and Life Sciences Research Foundation
<https://cals.ncsu.edu/people/dinah-schuster/>

Break (5 minutes) (9:55 - 10:00 am)

10:00 am Research Presentations (10 minutes each presenter)

1. Understand

- **Dr. Josh Gray (10:00 - 10:10 am)**
Associate Professor, Forestry and Environmental Resources
Faculty Fellow, Center for Geospatial Analytics
<https://cncr.ncsu.edu/geospatial/people/joshua-gray/>
Title: Sensing Seasonality with Satellites
- **Dr. Danesha Seth Carley (10:10 - 10:20 am)**
Associate Professor, Horticultural Science
Director, Center for Integrated Pest Management
<https://cipm.ncsu.edu/people/dgseth2/>
Title: CIPM: A Customizable Approach to Strategic Partnerships
- **Dr. Marcela Rojas-Pierce (10:20 - 10:30 am)**
Professor and Associate Department Head, Plant Microbial Biology
Center for Integrated Fungal Research
<https://cals.ncsu.edu/plant-and-microbial-biology/people/mrojasp/>
Title: Plant cell biology strategies for improving plant growth
- **Dr. Nathan Crook (10:30 - 10:40 am)**
Assistant Professor, Chemical and Biomolecular Engineering
Center for Integrated Fungal Research
<https://www.cbe.ncsu.edu/person/nccrook/>
Title: Accelerated Engineering of Non Model Microbes

Break (5 minutes) (10:40 - 10:45 am)

10:45 am 2. Model

- **Dr. Yu Takeuchi (10:45 - 10:55 am)**
Principal Research Scholar and Associate Director for Innovation
Center for Integrated Pest Management
<https://cipm.ncsu.edu/people/ytakeuc/>
Title: Monitoring and Forecasting Systems for Sustainable Agriculture
- **Dr. Gustavo Machado (10:55 - 11:05 am)**
Assistant Professor, Population Health and Pathobiology
Faculty Fellow, Center for Geospatial Analytics
<https://cncr.ncsu.edu/geospatial/people/gustavo-machado/>

Title: Advanced Disease Transmission Modeling to Enhance U.S. Swine Industry Preparedness for Emerging Diseases

- **Dr. Chris Jones (11:05 - 11:15 am)**
Research Scholar
Center for Geospatial Analytics
<https://cnr.ncsu.edu/geospatial/people/chris-jones/>
Title: Iterative Forecasting and Near Real-time Detection for Decision Support
- **Dr. Roger Magarey (11:15 - 11:25 am)**
Principal Research Scholar and Co-Director for Southern IPM Center
Center for Integrated Pest Management
<https://cipm.ncsu.edu/people/rdmagare/>
Title: Next Generation Plant Disease Forecast Models

Break (5 minutes) (11:25 - 11:30 am)

11:30 am 3. Manage

- **Dr. Ignazio Carbone (11:30 - 11:40 am)**
Professor, Entomology and Plant Pathology
Director, Center for Integrated Fungal Research
<https://www.cifr.ncsu.edu/ignazio-carbone/>
Title: T-BAS: Phylogeny-based placement of emerging pathogens
- **Dr. Anders Huseth (11:40 - 11:50 am)**
Assistant Professor and Extension Specialist, Entomology and Plant Pathology
Faculty Fellow, Center for Geospatial Analytics
<https://cnr.ncsu.edu/geospatial/people/anders-huseth/>
Title: Leveraging Long-term Moth Trap Data to Describe Regional Population Dynamics
- **Dr. Godshen Pallipparambil (11:50 - 12:00 pm)**
Principal Research Scholar and Assistant Director
Center for Integrated Pest Management
<https://cipm.ncsu.edu/people/grpallip/>
Title: Decision Support Systems to Field Studies: CIPM strengths and collaborations
- **Dr. Wei Shi (12:00 pm - 12:10 pm)**
Professor, Soil Microbiology and Ecology
Center for Integrated Fungal Research
<https://cals.ncsu.edu/crop-and-soil-sciences/people/wshi3/>
Title: Stress-responsive and beneficial microbes in turfgrass roots

Break (5 minutes) (12:10 pm-12:15 pm)

12:15 pm Virtual Breakout Rooms

Three breakout rooms, one room for each track, will open at 12:10 pm. Participants have opportunities to join breakout rooms to ask questions and share comments.

Topic: Pests and Pathogens Research Showcase (Breakout Session)

Time: Sep 14, 2022 12:15 PM Eastern Time (US and Canada)

Join Zoom Meeting

[https://ncsu.zoom.us/j/98131124802?pwd=Vmhzd2QwSExTUEVyaWNZeEVB
SU5zUT09](https://ncsu.zoom.us/j/98131124802?pwd=Vmhzd2QwSExTUEVyaWNZeEVB
SU5zUT09)

Meeting ID: 981 3112 4802 | Passcode: 500364