

**12<sup>th</sup> Biennial Meeting  
of the  
Florida Phytopathological  
Society**



**May 1-3, 2011**

*Hosted by:*

**Univ. of Florida / IFAS  
Gulf Coast Research and  
Education Center  
Wimauma, FL**

SUNDAY, MAY 1, 2011  
Reception at Embassy Suites, Tampa/Brandon  
Hotel check-in  
5:00-9:00 pm

**MONDAY, MAY 2, 2011**  
GCREC, Wimauma, FL

8:00 am **On-Site Registration Opens**

**Opening Remarks and Announcements**

**Philip Harmon**, President, Florida  
Phytopathological Society

8:45

**Welcome**

**Jack Rechcigl**, Center Director,  
GCREC

9:00

**An Outside Perspective on Florida  
Phytopathology**

**Eric Triplett**, Interim Chair, UF IFAS  
Department of Plant Pathology

**Keynote Speaker**

9:15 Bacterial fruit blotch of cucurbits:  
Progression from a hypothetical exam  
question to a model for seed  
bacteriology.

**Dr. Ron Walcott**, Univ. of Georgia,  
Athens

10:15 **Break**

10:30-11:50

**Graduate Student Paper Competition**

**Nick Dufault and Mathews Paret**,  
Moderators

10:30 Genetic diversity among *Sclerotium*  
*rolfsii* isolates in southeast U.S.

**Chenzhao Xie**, GCREC, Wimauma, FL

10:45 Assessing the survival of the redbay  
ambrosia beetle and laurel wilt pathogen

in wood chips. **Don Spence**, PLP  
Gainesville, FL

11:00 Identification of candidate resistance  
genes to *Phakopsora pachyrhizi*, the  
causal agent of soybean rust, in the  
alternative host kudzu, *Pueraria* spp.

**Heather Young**, NFREC, Quincy, FL

11:15 Identification and characterization of two  
homologs of a novel avirulence gene from  
xanthomonads causing bacterial spot of  
pepper. **Neha Potnis**, PLP, Gainesville,  
FL

11:30 Fungi in the Botryosphaeriaceae cause  
latent infections in southern highbush  
blueberry propagative material in Florida.  
**Amanda Wright**, PLP, Gainesville, FL

11:45 Characterization of *avrGf2* gene in type C  
strain of *Xanthomonas fuscans* pv.  
*aurantifolii* pathogenic of citrus. **Alberto**  
**Gochez**, PLP, Gainesville, FL

12:00 **Lunch**

1:00 Multi-gene phylogenies for fungi  
associated with dollar spot of warm-  
season turfgrass in Florida. **Todd**  
**Cooper**, PLP, Gainesville, FL

1:15 Efficacy of chlorine on waterborne  
pathogens. **Rosa Raudales**,  
Environmental Horticulture Department,  
Gainesville, FL

1:30 IPM with bacteriophage and attenuated  
mutant for controlling *Xanthomonas*  
*perforans*. **Mine Hantal**, GCREC,  
Wimauma, FL

1:45 Survival of *Salmonella enterica* in water  
under different environmental conditions.  
**Susie Sellers**, EPI and PLP, Gainesville,  
FL

2:00 **Break**

2:15-5:30 **Concurrent Sessions**  
**Bacterial Diseases**

**Gary Vallad, Moderator**

2:15 Integrated application of biologically-  
based products with ASM for  
management of bacterial spot on tomato.  
**Shouan Zhang**, Zelalem Mersha, and  
Yuqing Fu, TREC, Homestead, FL

2:30 Bacterial spot of rose (*Rosa* spp.), a new  
disease caused by a novel xanthomonad.  
**Gary Vallad**, Carly Summers, Heather  
Adkison, Elaina Margenthaler, Christina  
Schneider, and Geoffrey Denny, GCREC,  
Wimauma, FL

2:45 Grafting for bacterial wilt resistance in  
open field tomato production. **Mathews**  
**L. Paret**, Stephen M. Olson, NFREC,  
Quincy, FL; and Josh Freeman, Eastern  
Shore Agricultural Research and  
Extension Center, Painter, VA

3:00 Diversity of *Ralstonia solanacearum*  
strains confirmed by analysis of  
microsatellites. **Jason C. Hong**<sup>1</sup>, David J.  
Norman<sup>2</sup>, David L. Reed<sup>3</sup>, M. Timur  
Momol<sup>1</sup>, and Jeffrey B. Jones<sup>1</sup>, <sup>1</sup>PLP,  
Gainesville, FL, <sup>2</sup>MREC, Apopka, FL,  
<sup>3</sup>Florida Museum of Natural History,  
Gainesville, FL

3:15 Existence of aggressive biotypes within  
race 18 strains of *Xanthomonas*  
*campestris* and positive correlation of  
aggressiveness with pthN gene number.  
**P.K. Chakrabarty**<sup>1</sup>, Rahul Chavhan<sup>1</sup>,  
K.S. Mohan<sup>2</sup>, S. Zhang<sup>3</sup> and D.W.  
Gabriel<sup>3</sup>; <sup>1</sup>Central Institute for Cotton  
Research, Nagpur, India <sup>2</sup>SRTM  
University, Nanded, Parbhani, India <sup>3</sup>PLP  
Gainesville, FL

3:30 Genomic analysis of biocontrol strain  
EB92-1 and identification of  
pathogenicity gene(s) in *Xylella*  
*fastidiosa*. **Shujian Zhang**<sup>1</sup>, Zomary  
Flores-Cruz<sup>1</sup>, Donald L. Hopkins<sup>2</sup> and  
Dean W. Gabriel<sup>1</sup> <sup>1</sup>PLP, Gainesville, FL,  
<sup>2</sup>MREC, Apopka, FL 32703, USA

## Fungal Diseases

### Aaron Palmateer, Moderator

- 2:15 A challenging new disease for Sansevieria growers in Florida. **Aaron Palmateer**, TREC, UF/IFAS
- 2:30 Evaluation of commercial biological products for the control of strawberry root diseases. **Jim Mertely** and Natalia Peres, GCREC, UF/IFAS
- 2:45 Current status of downy mildew control on basil. **Rick Raid** and Shouan Zhang, EREC, TREC, UF/IFAS
- 3:00 Evaluation of the potential of SAR inducers for management of basil downy mildew. **Zelalem Mersha** and Shouan Zhang, TREC, UF/IFAS
- 3:15 Host range expansion of *Fusarium oxysporum* f. sp. *palmarum*: How many palm species are at risk. **Monica Elliott**, FLREC, UF/IFAS
- 3:30 Resistance is Futile: Field kit and internet-supported fungicide resistance monitoring. **Ashour Amiri**, Guido Schnabel, and Natalia Peres, GCREC, UF/IFAS
- 3:45 Exploiting chemigation to deliver reduced-risk fungicides for vegetable disease management. **Gary Vallad** and Cheng-Hua Huang, GCREC, UF/IFAS
- 4:00 Quantification of *Fusarium oxysporum* f. sp. *lycopersici* in soil using real-time polymerase chain reaction. **Cheng-Hua Huang** and Gary Vallad, GCREC, UF/IFAS
- 4:15 Genetic diversity and heterothallism in *Sclerotinia homoeocarpa*, the causal agent of dollar spot disease in cool and warm season turfgrasses. **Daniele Liberti**, Jeffrey Rollins and Philip Harmon, PLP, Gainesville, UF/IFAS
- 4:30 *Waitea circinata* var. *prodigus* – a newly described pathogen of *Paspalum vaginatum*. **Steven Kammerer** and Phil

- Harmon, PLP, Gainesville, UF/IFAS
- 4:45 Incidence and severity of anthracnose caused by *Colletotrichum acutatum* and Powdery mildew caused by *Sphaerotheca macularis* on wild strawberry species. **Colleen Kennedy** and Catalina Moyer, GCREC, UF/IFAS
- 5:00 *Macrophomina phaseolina* (Charcoal Rot) an emerging pathogen of Strawberries in Florida. **T. Seijo**, J. C. Mertely, F. Boresztein and N. A. Peres

### 5:30-6:30pm Dinner

Gulf Coast Research and Education Center

### Experiences from the 2011 UF Field Plant Pathology Course

- Heather Young, UF Dept. of Plant Pathology, Quincy
- Nick Sekora, UF Dept. of Entomology and Nematology, Gainesville

## TUESDAY, MAY 3, 2011

### 8:00-11:00 am Concurrent Sessions

#### Viral Diseases

##### Bill Dawson, Moderator

- 8:15 Overview of research program. **Bill Dawson**, CREC, Lake Alfred.
- 8:30 Citrus tristeza virus in the South Pacific. **Scott Harper**, CREC, Lake Alfred.
- 8:45 Agroinoculation of CTV into *Nicotiana benthaminia* results in systemic infection and symptoms. Chooa El Mohtar, CREC, Lake Alfred.
- 9:00 Overview of research program. **Siddarame Gowda**, CREC, Lake Alfred.
- 9:15 Molecular and biological properties of *in vivo* generated sequence variants of *Citrus exocortis viroid*. **Subhas Hajeri**, Chandrika Ramadugu, Keremane

Manjunath, James Ng, Richard Lee, Georgios Vidalakis, CREC, Lake Alfred, USDA NCGR Riverside, CA, University of California, Riverside, CA

- 9:30 Overview of research program. **Ron Brlansky**, CREC, Lake Alfred.
- 9:45 Genome sequence of an ungrouped *Citrus tristeza virus* isolate from Puerto Rico reveals similar sequence identity to the trifoliolate resistance breaking genotype. **Avijit Roy**, Nandlal Choudhary, John S. Hartung and R. H. Brlansky, CREC, Lake Alfred, FL, USDA-ARS, MPPL, Beltsville, MD.
- 10:00 Overview of research program. **Svetlana Folimonova**, CRE C, Lake Alfred.
- 10:15 Distribution and Genotype Composition of *Citrus tristeza virus* in the Dominican Republic. **Luis Matos**, M. Hilf, X. Cayetano, A. Feliz, and S. Y. Folimonova
- 10:30 Overview of research program. **Scott Adkins**, USDA-ARS Horticultural Research Laboratory, Fort Pierce.
- 10:45 Groundnut ringspot virus: An emerging virus of solanaceous vegetables in south Florida. **Craig G. Webster**, USDA-ARS Horticultural Research Laboratory, Fort Pierce.

#### Epidemiology

##### Ariena van Bruggen, Moderator

- 8:00 ‘Dispersal of *Salmonella enterica* by Rain Splash and Attachment on Tomato Plants’ **Ariena van Bruggen**, Dept. of Plant Pathology, University of Florida, Gainesville
- 8:30 ‘The hybrid pathogen *Phytophthora andina*’ **Erica Goss**, Dept. of Plant Pathology, University of Florida, Gainesville
- 9:00 ‘Optimal conditions needed for *Guignardia citricarpa* conidia

germination’ **Megan Dewdney**, CREC, Dept. of Plant Pathology, University of Florida, Lake Alfred

- 9:30 ‘The Strawberry Advisory System for control of anthracnose and Botrytis fruit rots’ **Natalia Peres**, GCREC, Dept. of Plant Pathology, University of Florida, Bradenton
- 10.00 ‘Half a century of diagnostic data: potential for epidemiological studies or just a page in the diagnostic history books?’ **Carrie L. Harmon**, Dept. of Plant Pathology, University of Florida, Gainesville
- 10.30 ‘Potential collaborative projects among epidemiologists in Florida’ A discussion session **Jim Marois**, NFREC, Dept. of Plant Pathology, University of Florida, Quincy

### 11:00 am Faculty and FPS Business Meeting

**State-wide Curriculum in PLP**  
Nomination of new FPS Secretary  
Plans for next FPS Meeting-May, 2013  
Passing of the Gavel  
ADJOURN

**Registration and additional information**  
<http://2011fps.eventbrite.com/>

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