

**13th Biennial Meeting
of the
Florida Phytopathological
Society**



May 6-8, 2013

Hosted by:

**Univ. of Florida / IFAS
Fort Lauderdale Research
and Education Center
Davie, FL**

MONDAY, MAY 6, 2013

Reception at Hampton Inn
5:00-9:00 pm (room will be posted at the hotel)

TUESDAY, MAY 7, 2013

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

8:30-12:00 **General Session**

Opening Remarks and Announcements

Natalia Peres, President, Florida
Phytopathological Society

Welcome

Monica Elliott, Acting Center Co-
Director, FLREC

A Vision for Florida Phytopathology

Rosemary Loria, Professor and
Chair, UF IFAS Department of Plant
Pathology

Keynote Speaker

9:00 Animal - Human - Plant Interactions:
Management of Complex Ecosystems.
Burton Singer, UF-Emerging
Pathogens Institute

10:00 **Break**

10:15-12:15

Graduate Student Competition

Aaron Palmateer, *Moderator*

10:15 Biological characterization of
Guignardia citricarpa and its
potential spread in the U.S.
Hong Ling, UF Plant Pathology

10:30 Genome Size Estimation of an
Emerging Plant Pathogen
Phytophthora andina by Flow
Cytometry? **Jianan Wang**, UF
Plant Pathology

10:45 Effect of fluctuating temperature on
late blight: A simulation model.
Shankar Shakya, UF Plant
Pathology and EPI

11:00 Identification of the mating-type
locus (MAT) in the citrus black spot
pathogen, *Guignardia citricarpa*.
Nan-Yi Wang, UF CREC

11:15 Effect of inoculum concentration on
development of Anthracnose Fruit
Rot of strawberry cultivars in
detached fruit and field experiments.
Bruna Balen Forcelini, UF
GCREC

11:30 Strobilurin resistance in the
tangerine pathogenic *Alternaria*
alternata population. **Byron Vega**,
UF CREC

11:45 Variable number tandem repeats-based
approach for characterization of
Candidatus Liberibacter asiaticus
isolates in the Caribbean region. **Luis**
Matos, UF CREC

12:00 Spatial and temporal spread of citrus
huanglongbing (HLB) disease in South
Florida using spatial and spatio-
temporal analysis. **Mpoki Shimwela**,
UF Plant Pathology

12:15 **Lunch**

1:00-2:45

Virology session

Svetlana Folimonova, *Moderator*

1:00 Cross-protection by *Citrus tristeza virus*
from a historical perspective. **Svetlana**
Folimonova, UF Plant Pathology

1:15 Emergence and impact of *Groundnut*
ringspot virus and *Tomato chlorotic spot*
virus in Florida. **Scott Adkins**, USDA-
ARS, Ft. Pierce

1:30 AgScouter: A new tool for local and
regional pest management. **Bill**
Turechek, USDA-ARS, Ft. Pierce

1:45 Characterization of *Citrus tristeza virus*
protein that functions in virus
superinfection exclusion. **Ok-Kyung**
Kim, UF Plant Pathology

2:00 Using green and red fluorescent proteins-
tagged *Citrus tristeza virus* variants to
examine their distribution in plant hosts.
Maria Bergua, UF Plant Pathology

2:15 Examination of cross-protection between
field isolates of *Citrus tristeza virus*
containing complex populations of virus
made-up of different virus genotypes.
Luis Matos, UF Plant Pathology

2:30 Exploring *Citrus tristeza virus*-based
Vector Limits for Foreign gene/s
expression". **Chooa El-Mohtar**, UF
CREC

2:45 **Break**

3:00-5:15

Mycology session
Erica Goss, Moderator

- 3:00 Emerging fungal threats to leafy greens and herbs in Florida. **Rick Raid**, UF EREC
- 3:15 Preliminary Characterization of Florida isolates of *Didymella bryoniae*, the Causal Agent for Watermelon Gummy Stem Blight. **Binoy Babu**, UF NFREC
- 3:30 Re-evaluation of the origin of *Phytophthora infestans*. **Erica Goss**, UF Gainesville
- 3:45 New perspectives on the etiology of mango anthracnose. **Randy Ploetz**, UF TREC
- 4:00 A novel member of the *Fusarium solani* species complex (FSSC) is a symbiont of an ambrosia beetle, *Euwallacea* sp., in southern Florida. **Randy Ploetz**, UF TREC
- 4:15 A Dust Sampling Device for Tracking the Influx of Plant Pathogens in African Dust Plume. **Dr. Andrew C. Schuerger**, Space Life Sciences Lab
- 4:30 The role of nursery plants as a potential source of inoculum for *Botrytis cinerea* and its impact on fungicide sensitivity. **Michelle Souza Oliveira**, UF GCREC
- 4:45 Fungi associated with strawberry roots in Florida. **James Mertely**, UF GCREC
- 5:00 Effects of plant growth promoting bacteria on Orange Rust of Sugarcane. **Lucimeris Ruar**, University Federal of Paraná State - UFPR, Brazil

5:30-6:30 Happy Hour
6:30-7:30 Dinner

WEDNESDAY, MAY 8, 2013

8:00-10:15

Plant Disease Management Session
Dr. Shad Ali, Moderator

- 8:00 The use of biopesticides to control common cucurbit diseases in the SE U.S. **Brett Highland**, Certis USA
- 8:15 An overview of research on downy mildew of basil at TREC. **Shouan Zhang**, UF TREC
- 8:30 Risks and management of resistance to succinate dehydrogenase inhibitors in *Botrytis cinerea* from strawberry. **Achour Amiri**, UF GCREC
- 8:45 Managing Impatiens Downy Mildew. **Aaron Palmateer**, UF TREC
- 9:00 Sugarcane Orange Rust: Its Current Status and Management. **Richard Raid (Rick)**, UF EREC
- 9:15 Fungicidal Management of Downy Mildew on Multiple Vegetable Crops in Florida. **Richard Raid (Rick)**, UF EREC
- 9:30 Evaluation of 1, 2, 3-thiadiazole and thymol-based essential oils on *Didymella bryoniae* and Watermelon Gummy Stem Blight. **Yonas Kefialew**, NFREC/Addis Ababa University, Ethiopia

9:45 Caladium root rot caused by *Pythium myriotylum*: efficacy pre- or post-inoculation applications of fungicides. **Teresa Seijo**, UF GCREC

10:00 Evaluation of sugarcane germplasm for yellow leaf disease resistance. **Sushma Sood**, USDA ARS

10:15 **Break**

10:30-12:00

Bacteriology Session
Mathews Paret, Moderator

- 10:30 Sensing a nearby host: ABC-transporters in phytopathogenic *Streptomyces*. **Isolde Francis**, UF Plant Pathology
- 10:45 Genomic sequencing of the copper resistant *Xanthomonas citri* strain A44 reveals plasmid rearrangement. **Alberto Gochez**, UF Plant Pathology
- 11:00 Early root infection and damage in Huanglongbing disease development. **Evan Johnson**, UF CREC
- 11:15 Evaluation of a pathogenicity island in *Streptomyces* species. **Jose Huguet Tapia**, UF Plant Pathology
- 11:30 Regulation of attachment in *Streptomyces scabies*. **Paris Laskaris**, UF Plant Pathology

11:45 Characterization of *Xanthomonas citri* TALE recognition to predicted Effector Binding Element codes. **Deepak Santaraj**, UF Plant Pathology

12:00-1:00 Box Lunch
FPS Business Meeting
General Announcements
Nomination of new FPS Secretary
Plans for next FPS Meeting-2015

ADJOURN

1:00 Bus leaves for the tour to the Fairchild Botanical Gardens

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