

**9th Biennial Meeting
of the
Florida Phytopathological
Society**



May 2-4, 2005

Hosted by:

**Univ. of Florida / IFAS
Mid-Florida Research and
Education Center
Apopka, FL**

MONDAY, MAY 2, 2005

Reception at Courtyard by Marriott Orlando,
Ocoee
5:00-9:00 pm (room will be posted at hotel)

TUESDAY, MAY 3, 2005

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

8:30 am **General Session**

Opening Remarks and Announcements

Lawrence Datnoff, Vice-President,
Florida Phytopathological Society

Welcome

Don Hopkins, Acting Center Director,
MFREC

Keynote Speakers

- 9:00 **Dr. Xiao-Bing Yang**, Iowa State University, Update on the status of soybean rust.
- 10:00 **Gail Wisler**, What's New in Florida Phytopathology
- 10:30 **Andy Schuerger**, Plant Pathology Department, Space Sciences Laboratory, Kennedy Space Center. Microbial ecology, survival and growth of terrestrial bacteria on spacecraft surfaces during robotic missions to mars: Implications for the future of plant pathology in human explorations of Mars.

11:30-12:30 LUNCH

**Graduate Student Paper Competition
Carol Stiles, Moderator
(12:45-3:15)**

Amandeep S. Kahlon, K.L. Manjunath and R.H. Brlansky. Molecular characterization of the population diversity of *Citrus tristeza virus* isolates from Florida.

Francis K. Tsigbey, J. J. Marois, D.L Wright, and T. W. Katsvairo. Impact of bahiagrass rotations on peanut diseases in North Florida.

Daniel J. Mailhot and J.J. Marois. Greenhouse investigations of Fusarium Hardlock.

Steve J. MacKenzie, T. E. Seijo, D. E. Legard, L. W. Timmer, and N. A. Peres. Selection for pathogenicity to strawberry in populations of *Colletotrichum gloeosporioides* from native plants.

Chris Rasmann, J.H. Graham, D.O. Chellemi, L.E. Datnoff, and D. J. Mitchell. Prevalence and infectivity of arbuscular mycorrhizal fungi and other fungal root endophytes in five tomato agro-ecosystems in Florida.

Jonathan Horrell, R. Charudattan, E. Hiebert, D.J. Lewandowski, and J.E. Polston: The coat protein of *Tobacco mild green mosaic tobamovirus* does not elicit a hypersensitive response in *Solanum viarum* (tropical soda apple).

Adriana Castañeda and Dean Gabriel. Functional analysis of *avr* homologues found in *Xanthomonas campestris* pv. *campestris* strain 528^T.

Wayne M. Jurick, II and Jeffrey A. Rollins. Cloning and analysis of an adenylate cyclase gene (SAC1) from the wide host range necrotroph *Sclerotinia sclerotiorum*.

Matthew O. Brecht, L.E. Datnoff, C.M. Stiles, G.L. Miller, J. L. Cisar, T.A. Kucharek. Ecology and pathogenicity of *Bipolaris* and *Curvularia* spp. on bermudagrass putting greens in Florida.

A.S. Guerra-Moreno, K.L. Manjunath, R.F. Lee, and R.H. Brlansky. Citrus leprosis disease is associated with a bipartite positive-sense RNA virus.

3:15-3:30 BREAK

3:30-5:00 Concurrent Sessions

**Bacterial Diseases
David Norman, Moderator**

- 3:30 **C.H. Bock**, P.E. Parker, T.R. Gottwald. Characteristics of dispersal of bacteria of *Xanthomonas axonopodis* pv. *citri* from canker-infected citrus plants during simulated wind-rain events.
- 3:45 **Tim Gottwald**. The effect of hurricanes and tropical storms on long distance spread of citrus canker.
- 4:00 **Ken Pernezny**, Richard N. Raid, Nikol Havranek, and Jairo Sanchez. Toxicity of mixed-oxidant electrolyzed oxidizing water to plant-pathogenic bacteria and attempts to control disease in the greenhouse.
- 4:15 **Allan Shapiro**. Systems-level control of the Arabidopsis hypersensitive response.

4:30 **Jim Graham** and Marty Dekkers. Prospects for control of citrus bacterial diseases with inducers of systemic resistance.

4:45 **David Norman**, J. Chen, J.M.F. Yuen, Mangravita-Nova, A., Byrne D. and Walsh L.. Use of phosphorus acid to protect geranium plants from infection with *Ralstonia solanacearum*.

Virus and Virus-like Diseases-1 Jane Polston, Moderator

3:30 **Dennis Lewandowski**, M. Afunian, and S. Adkins. Characterization of *Tobacco streak virus* isolated from hibiscus in central Florida.

3:45 **Susan Webb**. New short-vine tropical pumpkin (calabaza) varieties resistant to potyviruses.

4:00 **J. E. Polston**. Translocation of genetically engineered resistance to *Tomato yellow leaf curl virus* across a graft.

4:15 **Scott Adkins**, C. Baker, D. Achor, P. Roberts, I. Kamenova, R. Muchovej, P. Gilreath and G. McAvoy. Where'd you come from? An update on watermelon vine decline in Florida.

4:30 **Tim Gottwald**. Survival analysis of the spatio temporal spread of *Citrus tristeza virus*.

**5:30-6:30 Social
6:30-Dinner (included for registrants)
Mid-Florida Research and Education Center**

WEDNESDAY, MAY 4, 2005

8:00-10:45 am Concurrent Sessions

Virus and Virus-like Diseases-2 Scott Adkins, Moderator

8:00 **T. Satyanarayana**, C.J. Robertson, S.M. Garnsey, and W.O. Dawson. Host range determinants of *Citrus tristeza virus*.

8:15 **M. S. Elliott**, J. T. De Valerio, and R. C. Charudattan. The host range of *Tobacco mild green mosaic virus*: The rest of the story.

8:30 **S. Gowda**. Agro-inoculation of citrus.

8:45 **Mark Hilf**. Genetic marker analysis of a global collection of *Citrus tristeza virus*: Characterization and distribution of CTV genotypes and association with symptoms.

9:00 **Avijit Roy**, K.L. Manjunath, and R.H. Brlansky. Polymorphism of *Citrus tristeza virus* isolates from India in the 5' terminal region leads to the development of new genotypes through recombination.

9:15 **Alexey S. Folimonov**. Distribution of GFP labeled *Citrus tristeza virus* in citrus.

9:30 **Svetlana Y. Folimonova**. Differential infection of citrus roots and shoots by T36/T68 *Citrus tristeza virus* hybrids.

Fungal Diseases Phil Harmon, Moderator

8:00 N. A. Peres, J. E. Adaskaveg, J. C. Correll and **L. W. Timmer**. Life styles of *Colletotrichum acutatum*.

8:15 **S.N. Mondal** and L. W. Timmer. Biology of *Diaporthe citri*, the cause of citrus melanose.

8:30 **Jim Graham**. Breakdown of field resistance of Swingle citrumelo rootstock by the complex of *Phytophthora palmivora* with Diaprepes root weevil.

8:45 **Tim Schubert**. *Phytophthora* risks associated with commercial woody plant movement.

9:00 **Jeff Rollins**. Regulators of *Sclerotinia* development.

9:15 **Philip Harmon**. Screening for resistance to *Phytophthora cinnamomi* in southern highbush blueberry cultivars.

9:45 **Ronald D. French-Monar**, Jeff B. Jones, and Pamela D. Roberts. Understanding of the biology and etiology of *Phytophthora capsici* in Florida.

10:00 **Jim Marois**. Asian soybean rust research in Florida.

Biological and Chemical Control Richard Raid, Moderator

8:00 **Lawrence Datnoff**. Effect of fungicides on gray leaf spot development in St. Augustinegrass.

8:15 **Larry Newsom** and Joe Mitchell . BASF Product Update for 2005.

8:30 **Pete Timmer**. Management of foliar fungal diseases of citrus.

8:45 **George Musson** . Recent registrations of Bayer vegetable fungicides.

9:00 **Bob Williams**. Controlling vegetable diseases with a mixture of famoxadone and cymoxanil.

9:15 **Richard Raid**. Fungicidal control of rust and powdery mildew on snap beans.

10:00 **Tyler Harp**. Update on Syngenta fungicide pre-mixes for control of vegetable diseases.

10:15 **Brett Highland**. Sonata and Ballad biofungicides for disease control in Eastern US crops.

10:30 **Richard Raid**. Use of phosphonic compounds for management of downy mildews on leafy vegetable crops.

11:00 am FPS Business Meeting

General Announcements
Nomination of new FPS Secretary
Plans for next FPS Meeting-May, 2007
ADJOURN

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