

# Annual Meeting of the American Phytopathological Society Potomac Division

Clarion Hotel and Conference Center, Shepherdstown, WV  
April 6 - 7, 2004

## Program

### Meeting Notes:

1. Speaker or Presenter name is in **Bold**.
  2. **Posters:** Available for viewing throughout the meeting (i.e., set up before 10:00 AM on Tuesday, if possible). **Presenters**, please stand by posters during the Wednesday morning break.
  3. Name Tag Codes:
    - Yellow Dot:** Person available to help with questions.
    - Green Dot:** Officer of APS, either at the National or Divisional level.
  4. **Thank you for TURNING OFF your cell phone during the meeting.**
  5. Registration fee includes: Lunch and Dinner (Banquet) on Tuesday, and Continental Breakfast on Wednesday. **HELP YOURSELF!**
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### Tuesday, April 6: Morning

9:00 AM – 6:00 PM      Registration

**Session I: Opening.** Bill Bruckart, USDA-ARS, Ft. Detrick, MD, Moderator

10:00    Welcome – **Bill Bruckart**, USDA-ARS, Ft. Detrick, MD

10:10    Welcome – **Dariusz Swietlik**, USDA-ARS, Kearneysville, WV

10:15    The American Phytopathological Society - **Gary Bergstrom**, APS President. Cornell Univ., Ithaca, NY

10:40    Technology, Then and Now – **Frances Latterell** and **Mannon Gallegley**, USDA-ARS (Retired), Ft. Detrick, MD, and West Virginia Univ., Morgantown, WV (Emeritus)

11:05    Genetic and genomic approaches to studying virulence and hypovirulence of the

chestnut blight fungus. **Don Nuss**, Univ. Maryland, College Park, MD

11:30    The resistant and susceptible responses of soybean to the soybean cyst nematode. **Ben Matthews**, USDA-ARS, Beltsville, MD

11:55    Clinical and pre-clinical testing of plant virus vector-expressed therapeutic proteins. **Greg Pogue**, T. Cameron, S. Reinl, E. White, K. Hanley, D. Tuse', B. Holtz, L. Grill, and S. Garger. Large Scale Biology Corp., Vacaville, CA

12:30 – 1:30 PM Lunch. Clarion Inn.

Tuesday, April 6: Afternoon

**Session II: Graduate Student Competition.**

Jane Choi, USDA-ARS, Ft. Detrick, MD,  
Moderator

1:30 PM Impacts of host shifting and mode of transmission of PPV microevolution. **C.M. Wallis**, F.E. Gildow, and W. Schneider. Penn State Univ., State College, PA, and USDA-ARS, Ft. Detrick, MD

1:45 Fungicide efficacy and timing trials for the control of downy mildew of baby lima bean. **J.F. Davey**, R.P. Mulrooney, T.A. Evans, and R.B. Carroll. Univ. Delaware, Newark, DE

2:00 Biological control of Canada thistle (*Cirsium arvense*) using an endemic rust *Puccinia punctiformis*. **A. Demers**, P. Backman, and D. Berner. Penn State Univ., State College, PA, and USDA-ARS, Ft. Detrick, MD

2:15 Evaluation of screening methods for bacterial endophytes as potential biocontrol agents of cacao diseases. **R.L. Melnick**, B.A. Bailey, P.A. Backman, M. Guiltinan. Penn State Univ., State College, PA, and USDA-ARS, Beltsville, MD

2:30 Highbush blueberry flower buds as a winter reservoir for *Colletotrichum acutatum*. **A. DeMarsay** and P.V. Oudemans. Rutgers Univ., Chatsworth, NJ

2:45 Maryblyt and Cougarblight: is there a difference? **M.M. Dewdney**, A.R. Biggs, and W.W. Turechek. Cornell Univ., Ithaca, NY, and USDA-ARS, Kearneysville, WV

3:00 – 3:15 **Break**

3:15 Recovery of hypovirulent isolates from cultures and cankers following hypovirus introduction. **W.E. Jones** and W.L. MacDonald. West Virginia Univ., Morgantown, WV

3:30 Development of a model system to study the interactions of *Crinipellis pernicioso* with cacao using *Capsicum* and *Lycopersicon* species. **J.-P. Marelli**, S. Kang, and M. Guiltinan. Penn State Univ., State College, PA

3:45 Biological and molecular diversity of Hutcheson resistance-breaking strains of Soybean Mosaic Virus. **A.C. Fayad** and S.A. Tolin. Virginia Tech., Blacksburg, VA

4:00 The beta-tubulin gene as a means to discriminate species of arbuscular mycorrhizal fungi. **Z. Msiska**, and J.B. Morton. West Virginia Univ., Morgantown, WV

**Session III. Contributed Papers, Oral.**

4:00 New *Phytophthora* species associated with oak ecosystems in West Virginia. **Y. Balci** and W.L. MacDonald. West Virginia Univ., Morgantown, WV

4:15 Basics of fungicide resistance: an educational tool. **A. Baudoin** and P. A. Baudoin. Virginia Tech., Blacksburg, VA

4:30 – 5:00 **Business Meeting**

6:00 – 7:00 **Happy Hour** (Sponsored by Bayer CropScience)

7:00 – 9:00 **Banquet**, with awards and local entertainment. Clarion Inn.

Wednesday, April 7: Morning

7:00 – 9:45 AM **Continental Breakfast**. Clarion Inn.

7:00 – 8:30 AM Registration

**Session III (Continued). Contributed Papers, Oral.** Bob Carroll, Univ. Delaware, Newark, DE, Moderator

8:00 Suspected greenhouse insect vectors of *Phoma exigua* on *Acroptilon repens*. **F. Eskandari** and W.L. Bruckart. USDA-ARS, Ft. Detrick, MD

8:15 Evaluation of n-viro soil to control plant-parasitic nematodes. **I. Zasada** and M. Tenuta. USDA-ARS, Beltsville, MD, and Univ. Manitoba, Winnipeg, MB, Canada

8:30 Effects of leaf wetness duration, relative humidity and temperature on downy mildew severity in baby lima bean. **L. Santamaria**, T.A. Evans, R.P. Mulrooney, and R.B. Carroll. Univ. Delaware, Newark, DE

8:45 Evaluation of long-term disease resistance in mature field-grown plum pox virus resistant plum trees (*Prunus domestica* L.). **P. Hughes-Watson** and R. Scorza. USDA-ARS, Kearneysville, WV

9:00 The characterization of genes required for tagetitoxin production by *Pseudomonas syringae* pv. *tagetis*. **H. Kong**, C.D. Patterson, and J. Lydon. USDA-ARS, Beltsville, MD

9:15 Comparisons of chestnut canker treatment procedures for hypovirus introduction. B.C. Bell and **M.L. Double**. West Virginia Univ., Morgantown, WV

9:30 Actigard and Admire for tomato spotted wilt virus control for flue-cured tobacco in Virginia in 2003. T.D. Reed, P.J. Semtner, **C.S. Johnson** and M. Parrish. Virginia Tech., Blackstone, VA

9:45 - 10:00: **Break**

**Session IV. Soybean Rust Symposium.** Arv Grybauskas, Univ. Maryland, College Park, MD, Moderator

10:00 The biology of *Phakopsora pachyrhizi*, the cause of soybean rust. **Mary Palm**. USDA-APHIS, Beltsville, MD

10:30 Epidemiology and risk assessment of soybean rust. **X. B. Yang**. Iowa State Univ., Ames, IA

11:00 Soybean Rust - Strategic approaches for preparedness. **Matt Royer**. USDA-APHIS, Riverdale, MD

11:30 The importance of accurate and rapid detection of the Asian Soybean Rust. **Morris Bonde**. USDA-ARS, Ft. Detrick, MD

12:00 Soybean Rust: Management options. **Kent Smith**. USDA-ARS, Washington, DC

12:30 End of Meeting, Adjourn. Lunch on your own.

**Contributed Papers, Poster.** Nina Shishkoff, USDA-ARS, Ft. Detrick, MD, Moderator

**1.** What are the implications of a foreign hemibiotrophic fungus for biological control of weeds? **C.A. Cavin** and W.L. Bruckart. USDA-ARS, Ft. Detrick, MD

**2.** Evaluation and identification of *Cladosporium* sp. for use as a biological control agent for *Centaurea solstitialis* (Yellow Starthistle) in the USA. **E. Crunkleton**, D. Berner, and M. McMahon. USDA-ARS, Ft. Detrick, MD

**3.** Susceptibility of Camellia to *Phytophthora ramorum*, the sudden oak pathogen. **N. Shishkoff**. USDA-ARS, Ft. Detrick, MD

**4.** Evolution of the prokaryotic protein NusA: comparison of NusA in clover phyllody phytoplasma and other firmicutes. **J. Shao**, R.E. Davis, R. Jomantiene, and E.L. Dally. USDA-ARS, Beltsville, MD

**5.** Genomic "iceberg", gene cluster characterized by pseudogenes and horizontally acquired genetic elements in a phytoplasma genome. **R. Jomantiene** and R.E. Davis. USDA-ARS, Beltsville, MD