APS Announces 2013 Awardees

The following APS members will be honored at the 2013 APS-MSA Joint Meeting during the Opening General Session and Awards Ceremony, Sunday, August 11, in Austin, TX, for their contributions and commitment to both the field of plant pathology and to APS. A complete list of the awardees is available online at www.apsnet.org/members/awards/Pages/2013APSawardeesAnnounced.aspx.

DISTINGUISHED SERVICE AWARD
Steven C. Nelson, APS, retired

FELLOWS
Caitlyn F. Allen, University of Wisconsin-Madison
Anne M. Alvarez, University of Hawaii at Manoa
James C. Correll, University of Arkansas
R. Michael Davis, University of California-Davis
Jose C. Dianese, Universidade de Brasília
Frederick E. Gildow, The Pennsylvania State University
Mark L. Gleason, Iowa State University
Douglas J. Jardine, University of California-Davis
Robert R. Martin, USDA ARS
Mark Mazzola, USDA ARS
Allison H. Tally, Syngenta Crop Protection

EXCELLENCE IN EXTENSION AWARD
Steven T. Koike, University of California

EXCELLENCE IN TEACHING AWARD
Carlos F. Gonzalez, Texas A&M University

EXCELLENCE IN REGULATORY AFFAIRS AND CROP SECURITY AWARD
Laurene Levy, USDA APHIS PPQ Center for Plant Health Science and Technology
Mary E. Palm, USDA APHIS PPQ PHP

INTERNATIONAL SERVICE AWARD
Jack C. Comstock, USDA ARS

RUTH ALLEN AWARD
Yong-Hwan Lee, Seoul National University
Seogchan Kang, The Pennsylvania State University

LEE M. HUTCHINS AWARD
George W. Sundin, Michigan State University

NOEL T. KEEN AWARD FOR RESEARCH EXCELLENCE IN MOLECULAR PLANT PATHOLOGY
Sophien Kamoun, The Sainsbury Laboratory

SYNGENTA AWARD
Lindsey J. du Toit, Washington State University


2013 APS-MSA Joint Meeting—Bigger and Better in Texas!

Austin, TX, the “live music capital of the world,” will be the exciting host city for the 2013 APS-MSA Joint Meeting. Everything is bigger and better in Texas, and this year’s meeting is no exception, with four full days of sessions and special events dedicated to the latest research and technological advances in plant science. With almost 1,100 abstracts accepted for this year’s joint meeting with The Mycological Society of America (MSA), the extensive scientific program will give meeting attendees access to a wide variety of educational opportunities.

New for 2013, this year’s meeting will offer two plenary sessions. The Monday, August 12, Plenary Session, led by APS President Mike Boehm, will focus on the theme “Mind the Gap” and explore the many gaps we face as scientists, from food production and security to energy and the environment to health and wellness. Experts will discuss global food security and its connection to health and wellness with time for questions and discussion.

The Plenary Session on Tuesday, August 13, will switch gears and focus on the timely and always relevant topic of life and work balance. Work-life leader and author Joe Robinson will present on managing the demands of an always-on world with key adjustments to how we work, set boundaries, manage information, and control stressors.

Add even more science to your meeting experience by attending a premeeting workshop or field trip. Workshops on a variety of topics pertinent to plant science are scheduled for this year’s meeting, offering even more educational value to attendees. A number of field trip options are also available, giving attendees an up-close look at the role plant pathology plays in Texas’ natural and industrial environments.

See the meeting schedule, beginning on page 80 of this issue, for a list of events and special sessions. Be sure to visit www.apsnet.org/meet for full session descriptions, presentation titles, and speakers.

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Editor’s Corner

June Issues of Phytopathology News: It’s All About the Annual Meetings

Doug Jardine, Kansas State University, PhytoNewsEditor@scisoc.org

While searching for a topic for this month’s column, I went through back issues of Phytopathology News from 40, 30, 20, and 10 years ago. The common theme from June issues is clear: the annual meeting is approaching and everyone should come to learn, network, and have a great time.

The June 1973 issue featured the annual meeting to be held in Minneapolis. More notable was that the meeting was being held in conjunction with the Second International Congress of Plant Pathology, the Canadian Phytopathological Society, the International Society of Plant Pathologists, and the Society of Nematologists. It was advertised that “plant pathologists of the world will assemble to report and discuss pathological experiences and recount the days spent in the profession.” By the way, early bird registration for the meeting was $35!

The June 1983 edition did not contain any information on the upcoming meeting because, in that year, the annual meeting was actually held in June in Ames, IA. A few notable aspects of that meeting include the following. It was the 75th annual meeting of the society and was held jointly with the Society of Nematologists and the Mycological Society of America. It was the second to last meeting ever held on a university campus, the last coming the following year at the University of Guelph. It may also hold the record for the most rain to ever fall during an annual meeting. Lastly, it was the first annual meeting that I attended following enrollment in graduate school and I am proud to say I have never missed one in the interim. This will be the thirtieth consecutive meeting that I have attended. I am sure there are a number of members with attendance records better than that and I would like to hear from you. It would be interesting to know who has the longest streak of consecutive attendance at the APS Annual Meetings.

In 1993, the feature article headline read, “Y’all Come on Down to Nashville,” referring to course to the meeting held at the very ostentatious Opryland Hotel. This edition also featured the most recent draft of the proposed Code of Professional Ethics. Of the code, APS President Randy Rowe wrote, “By adopting a code of professional conduct, APS would recognize the responsibilities of the profession and publicly declare those values or principles by which its members are guided in their conduct and performance as professionals.” The code was subsequently adopted later that year and was incorporated into the APS Constitution as Article VII (www.apsnet.org/about/governance/Documents/2012_Constitution.pdf).

June 2003 introduced the preliminary technical program schedule for the upcoming meeting in the Queen City, Charlotte, NC. Of note in this feature, the article featured the first online meeting registration offered by APS through what was then known as APS Interactive. A quote from APS President Jacques Fletcher noted on her first use of the system: “It was fast and simple to use. I’d encourage anyone planning to attend the meeting to do the same.”

So what’s exciting about the current June 2013 issue? It’s in your hands; look around and see it.

Letter to the Editor

The Future of Food, Fiber, and Fuels

Walker Miller, professor emeritus, Clemson University

Our environment is deteriorating. The drivers are enormous growth in population, the deployment of technology, and the value(s) which shape our behavior and determine what we think is important. For the first and the last of these three, there is little we can do in agriculture. One of the dominant technologies is the discovery of agriculture and improvement thereof of our efforts to provide food, fiber, and fuel for ourselves.

Agriculture now contributes the equivalent of 30% of the global warming problem contributing to our environmental deterioration. Direct conversion of soil carbon to CO₂ represents about 20%, methane both as methane and its breakdown product, CO₂, and nitrous oxides the rest of it. The result is our planet faces a potential crisis due to limited freshwater
Online Nominations for APS Officers

The success of APS depends on having excellent officers. Readers of Phytopathology News and the APS News Capsules know that our professional society is involved in numerous activities, from fostering the highest scientific standards in publications and at meetings to promoting education in plant pathology. We need experienced leaders who are committed to working diligently for the success of our scientific society and our profession. To this end, we are soliciting nominations for councilor-at-large and vice president (who will become president-elect and then president), for terms that will start in 2014.

It is easy to nominate someone for these positions. Simply go to http://bit.ly/YJof5M. The website gives the job descriptions for both of these positions. In the past, the nomination process was only open for a short period of time near the end of the calendar year. However, to give more opportunity for our members to nominate the best possible individuals, the entire process is open for a much longer time. At the end of the year, the Nominations Committee will meet to evaluate the nominations and to ask selected qualified individuals to prepare full applications. Ultimately, two individuals are chosen for each office, and the entire membership then votes in May.

Calling All Artists!

The APS Graduate Student Committee is currently inviting submissions for the 2013 Art in Phytopathology Contest. This is your chance to submit your one-of-a-kind, disease-inspired works of nature you’ve seen under your microscope slide, in your lab, or out in the field! All APS members are encouraged to submit their artwork, especially graduate students. Categories to be judged include microscopy, whole plant/nature, digitally altered, wacky/humor, arts and crafts, and best in show. Awards will be presented to the top entries at the 2013 APS-MSA Joint Meeting in Austin. View the full competition description, as well as category and award details, online at www.apsnet.org/members/apsleadership/comm/Pages/ArtinPhytoRules.aspx. Contest entries must be submitted by July 1, 2013.

Thinking About How to Become More Involved in APS? Now’s the Time...

Nothing happens at APS without the ideas, energy, and commitment from APS members. Whether you are new to the society, haven’t served on a committee before, or it’s just been a long time since you last were involved—now is the time to volunteer. We have numerous openings to have your expertise benefit plant pathology and APS.

Your Engagement Makes Things Happen

APS committee members tackle important issues. We have committees that cover the breadth of the science from diagnostics to genomics to modeling to keeping members informed on the latest scientific and public policy developments. With several committees to choose from, it’s easy to become involved in APS and all members are welcome to participate. It is also a great way to meet others with similar interests.

Your Level of Commitment Is Flexible

Committee members serve a three-year term, which is renewable. They participate in committee meetings, usually held at the APS Annual Meeting, but can be involved in discussions and projects throughout the year. The nature and extent of the activities of each committee depends on its mission and current priorities as well as the imagination, enthusiasm, and dedication of its members. As an active committee member, you can make a difference but also have the flexibility to be involved at the level that is right for you.

Your Interest Is Key

Whatever your area of interest there is a good fit waiting for you, simply go to www.apsnet.org/members/apsleadership/comm and contact the chair of the committee that interests you by July 19, 2013. Make sure to join the committee meeting in which you are interested during the APS-MSA Joint Meeting in Austin if you’ll be in attendance. Locations and times will be listed on the meeting website.

Still not sure which APS committee is right for you? Stop by any of the committee meetings at the annual meeting and see for yourself what your fellow plant pathologists are talking about. These are open meetings, no commitment in required to participate. Check them out and learn what they are working on, where the science is going, and what makes them tick. You will be glad you did!

Your expertise and enthusiasm are needed. Be part of the most active, talented, and engaged group of member leaders—join an APS committee this year!
Southern Soybean Disease Workers Gather with the Wheat Disease and Soybean Rust Committees

The 40th meeting of the Southern Soybean Disease Workers (SSDW) was held March 13 and 14, 2013, at the Pensacola Beach Hilton in Pensacola Beach, FL, in conjunction with the NCERA-184 Wheat Disease Committee and the NCERA-208 Soybean Rust Committee. Past President Tom Allen coordinated the local arrangements and the meeting was presided over by President Clayton Hollier. This year, 50 people attended the meeting, including members representing universities, USDA, the United Soybean Board (USB), and industry. SSDW meets annually and has collected disease loss estimates from 16 soybean-producing states since 1974. The soybean disease loss estimates have been widely utilized and are regularly published to serve as a guide for organizations such as the North Central Soybean Research Program. USB, as well as local soybean-promotion boards when allocating funds for disease research. In addition to meeting on an annual basis, the proceedings from the meeting are forwarded to numerous libraries throughout the United States.

This year’s meeting began with several presentations on important topics in the southern soybean production system. Presentations were made by Heather Kelly, University of Tennessee, to update the group on the development of strobilurin-resistant Cercospora sojina; Alemu Mengistu, USDA ARS, on the identification of soybean varieties resistant to frogeye leaf spot; Don Hershman, University of Kentucky, on new findings regarding Soybean vein necrosis virus; Ray Schneider, Louisiana State University (LSU) AgCenter, on the effectiveness of fungicides in managing soybean rust during the 2012 season in Louisiana; and Ed Sikora, Auburn University, on the development of soybean rust in Alabama during the 2012 season.

A graduate student paper competition followed the symposium and was presided over by Hollier. Five students participated in the competition, representing LSU and the University of Arkansas. Paul “Trey” Price III (LSU AgCenter; advisor, G. Boyd Padgett) won first place for his presentation “Sensitivity of Cercospora kikuchii Populations to Methyl Benzimidazole, Carbamate, Quinone Outside Inhibitor, and Demethylation Inhibitor Fungicides.” Brian Ward (LSU AgCenter; advisor, Schneider) won second place for his presentation “Effects of Minor Element Nutrition on Cercospora Leaf Blight of Soybean.” This year’s Distinguished Service Award was presented to Alemu Mengistu, USDA ARS, Jackson, TN, for his many years of outstanding service to soybean producers throughout the midsouthern United States. The officers for SSDW for 2013–2014 are Sikora, Auburn University—president; Craig Rothrock, University of Arkansas—vice president; Danise Beadle, Eurofins AgroScience Services, Inc.—secretary; Myra Purvis, LSU AgCenter—treasurer; and Stephen Koenning, North Carolina State University—chair, Disease Loss Estimate Committee. The next meeting of the SSDW will be held in conjunction with the NCERA-208 and NCERA-212 Soybean Disease Committee in Pensacola Beach, FL, on March 3–6, 2014.

Meetings

Rapid Diagnostic Techniques for Phytophthora Species

A workshop on Rapid Diagnostic Techniques for Phytophthora Species will be held September 29 through October 4, 2013, at the Panamanian Agricultural School, Zamorano, in Honduras. The workshop is open to 22 students. Room and board and up to $250 of travel reimbursement will be provided. First preference will be given to developing country plant disease diagnosticians. The workshop is funded by USAID’s Horticulture Food Security Innovation Lab and will be taught by Jean Ristaino and Kelly Ivors (North Carolina State University) and Monica Blanco (Universidad de Costa Rica), Dinie Rueda (Zamorano University), and Jose Melgar (Earth University). Two-page statements of interest are due June 15, 2013, for selection of candidates and can be sent by e-mail to monicablmm@gmail.com. More information is available online at www.ncsu.edu/mckimmon/cpe/opd/Phytophthora/index.html.

Phytophthora, Pythium, and Related Genera Workshop

The 5th Phytophthora, Pythium, and Related Genera Workshop will take place in Beijing, China, on August 24–25, 2013, immediately preceding the International Congress of Plant Pathology (ICPP) to be held August 25–30, 2013. The first day will focus on practical aspects of working with oomycetes with a poster session/social in the evening. The second day will consist of technical presentations covering taxonomy and phylogeny of oomycetes, emerging diseases, new technologies, and management of oomycete and population biology. Please visit www.icppbj2013.org/file/workshop/5thinternationalworkshop.asp for more details.
Grabau and McCluskey Join APS Public Policy Board

Elizabeth Grabau, professor and head in the Department of Plant Pathology, Physiology, and Weed Science at Virginia Tech, and Kevin McCluskey, curator and research professor at the University of Missouri-Kansas City, were recently appointed to the APS Public Policy Board (PPB).

Grabau has had increasing interactions in policy areas, particularly in the bioregulatory and permitting arena. She has developed contacts at USDA APHIS, EPA, and permitting arena. She has developed policy areas, particularly in the bioregulatory area, working with the Agricultural Bioregulatory Policy and Affairs group at APHIS.

Additionally, she has been very active in the agricultural bioregulatory policy and affairs area, working with the Foreign Agricultural Service.

McCluskey has been active in U.S. and international culture collection policy and advocacy communities, including the World Federation for Culture Collections, where he is an elected member of the Executive Board, as well as the Global Taxonomy Initiative of the Convention on Biological Diversity. Most recently the International Counsel on Scientific Unions Committee on Data for Science and Technology (CODATA) approved a proposed Task Group on Microbial Informatics of which he is a cochair. As cochair, he holds an ex officio seat on the U.S. National Academy Board on Research Data and Information (BRDI). Within the United States, he recently obtained a grant from the National Science Foundation for a research coordination network of microbial repository researchers. This effort, known as the U.S. Culture Collection Network (USCCN) includes a collaboration with APS that is providing both infrastructure and administrative support.

PPB looks forward to the addition of their unique expertise in these key areas to help advance the public policy initiatives of APS.

Be a Voice for Ag Research Policy—Apply for the APS Public Policy Fellowship

For the past several years, APS has been successful in placing APS members in key policy fellow positions in DC to help impact agricultural research funding and policy decisions. The APS Public Policy Board (PPB) is again taking applications for this critical position in 2013–2014. The APS public policy fellow provides expertise in support of policy activities related to plant and microbial biology, agricultural and life sciences, food safety, and related technology. The fellowship is a temporary position anticipated to begin in fall 2013 for at least six months, but not longer than 12 months, depending on the selected individual and needs of the agency where the fellow is placed.

Details on the selection criteria and the selection process, as well as summaries written by past fellows, sharing highlights from their experiences, are available at www.apsnet.org/members/outreach/ppb/Pages/PublicPolicyEarlyCareerInternship.aspx. All application materials must be received by July 15, 2013, and should be sent to Jan Leach, PPB chair, at jan.leach@colostate.edu.

PPB Offers Early Career Internship for Experience with Policy Issues

The APS Public Policy Board (PPB) is pleased to also offer the availability of an internship to APS early career members (current graduate students or post-doctoral associates and junior professionals) to provide an opportunity to gain hands-on experience in public policy at the national level that relates generally to agricultural science and specifically to matters of interest to APS. By working with PPB, the intern will learn how scientific societies, nongovernmental organizations, executive branch agencies (e.g., USDA, NSF, EPA), and the legislative branch interact in crafting public policy. The PPB early career internship is a two-year commitment covering PPB activities for 2013–2015.

More detailed information on this opportunity, including how to apply and summaries of previous interns’ experiences, is available at www.apsnet.org/members/outreach/ppb/Pages/PublicPolicyEarlyCareerInternship.aspx. Important APS Dates to Remember

### June 2013

1. **Nominations for APS Outstanding Volunteer Award due**

8. **APS-MSA Joint Meeting regular registration closes**

### July 2013

1. **Entries for 2013 Art in Phytopathology contest due**

15. **Applications due for APS public policy fellowship**

15. **Public Policy Board early career internship applications due**

31. **OIP Silent Auction items due**
In Focus—What’s New from the Plant Management Network

Late Blight Management, Forecasting Discussed in Latest Focus on Potato Webcast

This Focus on Potato talk, entitled Late Blight Forecasting, by Bill Fry at Cornell University, will help users understand late blight forecasts and manage late blight more effectively. In this talk, the epidemiological basis for (potato) late blight forecasts is described. Fry then discusses a decision support system (DSS) that can be used in real time as an aid in scheduling fungicide sprays. This DSS integrates the effect of weather, host resistance, and fungicide to assure adequate disease suppression. View this and other presentations at www.plantmanagementnetwork.org/fop.

Bacterial Blight Screening, Management Highlighted in Focus on Cotton

In the latest Focus on Cotton webinar, Bacterial Blight of Cotton During 2011 and 2012: Field Trash or Seed, by Tom Allen, Mississippi State University, provides users with valuable information regarding bacterial blight symptoms, as well as the mechanisms that allow the disease to occur, thrive, and spread in a cotton field. In addition, viewers are briefed regarding a new research project to provide cotton farmers with a valuable method to screen commercially available cotton cultivars for the presence of the bacterium in cotton seed. This presentation and others can be viewed at www.plantmanagementnetwork.org/foco.

PMN Launches Bouyoucos Conference Proceedings

PMN has just launched the proceedings of the Bouyoucos Conference on the Advances in Research on Soil Biological, Chemical, and Physical Properties for Sustainable Constructed Rootzones, which took place in May 2012 in Philadelphia. This collection of 26 abstracts from 41 basic and applied researchers covers a range of topics, from “Mimicking a Soil in a Soilless Medium” through the “Development of Turfgrass Management Systems for Green Roof-type Applications.” These proceedings are available through PMN’s Applied Turfgrass Science journal in the News and Opinions section. View the proceedings at www.plantmanagementnetwork.org/ats.

Letter continued from page 74

availability, declining land resources from wind and water erosion, pollution from phosphorous and nitrogen, and biodiversity loss.

Terrestrial plant production is the foundation of our biosphere in that it sustains our planet in terms of food, fiber, fuel, and ecosystem services. Agriculture is currently caught in an annual culture paradigm since its discovery, repeatedly, as much as 12,000 years ago. Man’s attempts to decouple production through increased efficiency of the annual culture paradigm have resulted in increased population of the planet and exacerbation of the problem of environmental deterioration.

Agriculture has failed to move to perennial and more complex cultural systems of the major food stocks of the world because of the threat of disease and pestilence. We have taken a reductionist approach to simplify our production systems with consequent loss in depth of sward, biodiversity and net field/planetary productivity and sustainability. Diseases accumulate due to time of exposure, emerge as a result of succession, or have greater impact as a result of decreased biodiversity (i.e., monoculture).

Complex perennial culture systems would address issues of net productivity and phosphorous and nitrogen pollution; enable use of arable land that is in a lower productivity class; increase fresh water availability; and sequester more carbon.

It seems logical to me that APS should adopt the strategy of fostering and supporting the conversion to (complex) perennial cultural systems for the major food, fiber, and fuel stocks by taking on the challenge of disease management in those systems. Further, APS should approach sister societies and our governments to develop complementary technologies such as harvesting these systems and managing arthropods, mammals, and others of the animal kingdom.

The failure to take to do so could mean a world food crisis, wars, or perhaps the end of the era of humankind.

PMN is a nonprofit online publisher whose mission is to enhance the health, management, and production of agricultural and horticultural crops. To take advantage of PMN’s full line of resources, please sign up for its free online newsletter at www.plantmanagementnetwork.org/update/default.cfm.
Congratulations to the 2013 APS Foundation Awardees

The following 52 individuals received awards from the APS Foundation, totaling $31,500 given in 2013. Special thanks to all of the APS Foundation donors for making this support possible. The awardees will be recognized at the APS-MSA Joint Meeting during the Opening General Session. Be sure to stop by the foundation’s booth in Austin to continue to create possibilities for plant pathology!

Student Travel Awards

Turfgrass Pathology Student Travel Award
Lisa A. Beirn, Rutgers University
The C. Lee Campbell Student Travel Award and The Joseph P. Fulton Student Travel Award
Kiersten A. Bekosche, Cornell University
The Tsune Kosuge Student Travel Award and The Milt and Nancy Schroth Student Travel Award
Lindsey P. Burbank, University of California-Riverside
Efrat Gamliel-Atinsky Student Travel Award
Kathleen M. Burchhardt, North Carolina State University
The Robert W. Fulton Student Travel Award and The Kyung Soo Kim Student Travel Award
Robin Choudhury, University of California-Davis
Forest Pathology Student Travel Award
Angela L. Dale, University of British Columbia
H. David Thurston Student Travel Award
Beth L. Dalsing, University of Wisconsin
Caribbean Division Student Travel Award
Jonathan M. Jacobs, University of Wisconsin
John M. Barnes Student Travel Award and The John F. Folkerson Student Travel Award
Paul W. Kachapulula, University of Arizona
Kenneth F. Baker and R. James Cook Student Travel Award
Yukie Kawasaki, Utah State University
Myron K. Brakke Student Travel Award
Alma G. Laney, University of Arkansas
J. Artie and Arra Browning Student Travel Award
Jillian M. Lang, Colorado State University
William Moller Student Travel Award
Kimberley Lesniak, Michigan State University

Schroth Faces of the Future Early Career Professionals Symposium

Jaime Blair, Franklin & Marshall College
Erica Goss, University of Florida
Jason Slot, The Ohio State University
Marin Talbot-Brewer, University of Georgia
Raymond J. Tarleton Student Fellowship
Imana Power, University of Georgia
Malcolm C. Shurtleff Student Travel Award
Cory A. Outwater, Michigan State University
Virology Student Travel Award
Sudarsana Poojari, Washington State University
Elise J. and Robert Aycock Student Travel Award
Jeanette Rapicavoli, University of California-Riverside
Eddie Echandi Student Travel Award
Renee Rioux, University of Wisconsin
The Harold S. McNabb Student Travel Award and The Donald E. Munnecke Student Travel Award
Catalina Salgado-Salazar, University of Maryland
Malcolm and Catherine Quigley Student Travel Award
Zachary Sexton, Purdue University
H. J. Dubin Student Travel Award in honor of the Peace Corps
Patrick W. Sherwood, The Ohio State University
The Evanthia D. and D. G. Kontaxis Student Travel Award and The Landis International Student Travel Award
Xiaomei Shu, North Carolina State University
Stephen A. Johnston Student Travel Award
Ian M. Small, Cornell University
Gustaaf A. and Ineke C. M. de Zoeten Student Travel Award
The Donald E. Munnecke Student Travel Award and The Landis International Student Travel Award
Catalina Salgado-Salazar, University of Maryland
The Harold S. McNabb Student Travel Award and The Donald E. Munnecke Student Travel Award
Catalina Salgado-Salazar, University of Maryland
The William Malcolm Brown, Jr. Student Travel Award and The George Herman Starr Student Travel Award
Bradley W. Tonnessen, Colorado State University
Arthur Kelman Student Travel Award
Tuan Minh Tran, University of Wisconsin
Dow AgroSciences Student Travel Award
Byron Vega, University of Florida
Richard Gabrielson Student Travel Award
Nan-Yi Wang, University of Florida
Raymond G. Grogan Student Travel Award
Jeremy Warren, University of California-Davis
Janell M. Stevens Johnk Student Travel Award
Jun Myoung Yu, Texas A&M University
José and Silvia Amador Student Travel Award
Edgar Zanotto, Universidade Federal de Lavras
2013 APS-MSA Joint Meeting Preview
AUGUST 10–14, 2013 • AUSTIN CONVENTION CENTER • AUSTIN, TX

New for 2013: Two Plenary Sessions

Monday, August 12 1:00–2:30 p.m.
APS President Mike Boehm takes the theme, Mind the Gap (a spoof on the London tube warning), to the 21st century as we face the gaps in a variety of areas, including science, technology, food security, climate change, demographics, health & wellness, and diversity.

Tuesday, August 13 1:00–2:00 p.m.
New for 2013, APS has added a second plenary session that will take a lighter approach to a topic of interest to the group. This session will focus on the timely and always interesting area of maintaining life and work balance.

MSA Karling Lecture: Evolution of Virulence in Fungal Pathogens of Plants

Monday, August 12 2:30–3:30 p.m.
The John Karling Annual Lecture is MSA’s most prestigious invited talk. This year’s Karling lecturer is Barbara Howlett, a professor in the Department of Botany at the University of Melbourne in Australia. An internationally recognized expert on fungal interactions and diseases of plants, she focuses on Leptosphaeria maculans, which causes blackleg, the major disease of canola worldwide. Her work spans molecular, genetic, and genomic approaches wed with field work. Her overall goal is to develop improved strategies for control of this important plant crop disease.

Field Trips and Workshops
Full descriptions, fees, etc., can be found at www.apsnet.org/meet.

Field Trips | Saturday, August 10
Current Perspectives on Abiotic and Biotic Threats to Forest and Shade Trees of Texas 9:00 a.m.–4:00 p.m.
Ornamental and Urban Farming 7:30 a.m.–5:00 p.m.
Texas Foray 8:00 a.m.–12:30 p.m.
Texas Hill Country Fruit Disease (sold out) 7:30 a.m.–5:00 p.m.
Turfgrass 8:00 a.m.–5:00 p.m.

Workshops | Saturday, August 10
Comparative Fungal Genomics with MycoCosm 9:00 a.m.–12:00 p.m.
Genotyping-by-Sequencing 1:00–5:00 p.m.
How to Get Engaged: Advocacy Etiquette 1:00–5:00 p.m.
Sampling Terms, Concepts, and Best Practices for Plant Pathologists 10:00 a.m.–5:30 p.m.

Leadership Training Opportunity

APS Leadership Institute: Effective Team Leadership
Saturday, August 10 8:30–4:30 p.m.
Continuing the tradition of providing leadership skills training through APS, this workshop will explore effective methods for developing goals, communicating your vision to others, building and working with a team, and motivating others to work with you toward team goals. Designed to develop effective future leaders for APS, this workshop is intended for graduate students, post-docs, and early and mid-career professionals, but all career levels are welcome. Preregistration is required. Attendance is limited to 50 participants. The cost of the ticket includes continental breakfast, lunch, and workshop materials.

Additional Networking and Educational Opportunities

Subject Matter Committees
Saturday, August 10 6:30–8:00 p.m.
8:00–9:30 p.m.
Sunday, August 11 8:30–10:00 a.m.
Did you know that anyone can attend a subject matter committee meeting at the 2013 APS-MSA Joint Meeting? Just drop in! Sitting in on a committee meeting gives you
Registration and Hotel

Registration is open for the 2013 APS-MSA Joint Meeting. Full registration includes all sessions, posters, exhibits, Opening General Session, APS Alumni Social, and Final Round-Up. New this year—the meeting registration fee also includes complimentary access to all conference recording presentations. View the registration brochure and register online at www.apsnet.org/meet.

APS has negotiated discounted hotel rates at four hotels, available only to APS meeting attendees. The Hilton Austin (headquarters hotel), Courtyard Marriott/Residence Inn, and the Hyatt Place Austin are the official meeting hotels. As of press time, the Hilton Austin has rooms available. The other hotels are sold out. Check the meeting website for updates. Hotel reservations must be made directly through the hotel and will be accepted online and by phone. No housing bureau will be used for this year’s meeting. Support APS and MSA by booking your stay at one of these convenient locations.

Regular registration closes July 8. After July 8, late/onsite registration will be available.

Conference Recordings and Mobile App

New for 2013! Conference Recordings—Sessions at Your Fingertips

New for 2013, full registration includes complimentary access to all conference recording presentations. Revisit your favorite sessions or catch up on ones that you couldn’t fit into your schedule.

Get Connected...Stay Connected with the Joint Meeting Mobile App

Schedule your itinerary and get instant access to the program and to abstracts with the joint meeting mobile app. This technology allows you to connect with colleagues, search sessions, and even double check program locations, all from your smart phone. Members will receive an e-mail notice as soon as this year’s app is available.

Preview continued on page 82
## Plan Your Meeting Experience—Preliminary Schedule (Subject to Change)

### SATURDAY, AUGUST 10

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>Various Times</td>
<td>Field Trips, Workshops, and Leadership Opportunities</td>
</tr>
<tr>
<td>6:30–8:00 p.m.</td>
<td>APS Committee Meetings</td>
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<tr>
<td>8:00–9:30 p.m.</td>
<td>APS Committee Meetings</td>
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### SUNDAY, AUGUST 11

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:30–10:00 a.m.</td>
<td>APS Committee Meetings</td>
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<tr>
<td>10:30 a.m.–noon</td>
<td>APS Opening General Session and Awards &amp; Honors Ceremony</td>
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<tr>
<td>10:30 a.m.–noon</td>
<td>MSA Business Meeting &amp; Awards Ceremony</td>
</tr>
<tr>
<td>12:00–6:00 p.m.</td>
<td>APS OIP Silent Auction</td>
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<tr>
<td>1:00 – 2:15 p.m.</td>
<td>Technical Sessions—tentative, subject to change</td>
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<tr>
<td></td>
<td>• Bacterial-Host Interactions</td>
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<tr>
<td></td>
<td>• Disease Diagnosis and Detection</td>
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<tr>
<td></td>
<td>• Fruit Pathogen Epidemiology</td>
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<tr>
<td></td>
<td>• Fungal Molecular Systematics and Evolution 1</td>
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<td></td>
<td>• Plant Disease Management</td>
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<tr>
<td>1:00–4:00 p.m.</td>
<td>Special Sessions—tentative, subject to change</td>
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<td></td>
<td>• Functional, Evolutionary, and Ecological Diversity of Wood Decay Systems</td>
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<td></td>
<td>• Schroth Faces of the Future: New Frontiers in Mycology</td>
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<td></td>
<td>• Small Noncoding RNAs: New Paradigms in Plant-Microbe Interactions</td>
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<td></td>
<td>• Virus Intracellular Accumulation and Movement as a Target for Disease Control</td>
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<tr>
<td>2:45–4:00 p.m.</td>
<td>Technical Sessions—tentative, subject to change</td>
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<td></td>
<td>• Chemical Control</td>
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<td>• Disease Detection</td>
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<td>• Food Safety</td>
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<td></td>
<td>• Fungal Molecular Systematics and Evolution 2</td>
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<tr>
<td></td>
<td>• Host Resistance</td>
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<tr>
<td>4:30–6:30 p.m.</td>
<td>Welcome Reception with Exhibition and Posters</td>
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<tr>
<td>4:30–8:00 p.m.</td>
<td>Extended Time! Poster Viewing</td>
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### MONDAY, AUGUST 12

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:30 a.m.–8:00 p.m.</td>
<td>Poster Viewing</td>
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<tr>
<td>8:30–9:45 a.m.</td>
<td>Technical Sessions—tentative, subject to change</td>
</tr>
<tr>
<td></td>
<td>• Bacterial Virulence Mechanisms 1</td>
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<tr>
<td></td>
<td>• Fungal Ecology 1</td>
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<tr>
<td></td>
<td>• Fungal Molecular Systematics and Evolution 3</td>
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<tr>
<td></td>
<td>• Virus Characterization</td>
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<tr>
<td>8:30–11:30 a.m.</td>
<td>Special Sessions—tentative, subject to change</td>
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<td></td>
<td>• 13th I. E. Melhus Graduate Student Symposium: What’s in Our Toolbox to Minimize the Risk of Plant Disease?</td>
</tr>
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<td></td>
<td>• An Unconventional Classroom: Reaching New Students with Online and Distance Courses and Programs</td>
</tr>
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<td></td>
<td>• Innovations in Microbial Forensics and Plant Biosecurity</td>
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<td></td>
<td>• New Horizons in the Cell Biology of Fungi</td>
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<td>• Status and Challenges in Identification and Diagnosis of Graminicolous Downy Mildews</td>
</tr>
<tr>
<td>10:15–11:30 a.m.</td>
<td>Technical Sessions—tentative, subject to change</td>
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<tr>
<td></td>
<td>• Bacterial Virulence Mechanisms 2</td>
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<tr>
<td></td>
<td>• Ectomycorrhizal Community Ecology and Endophytes</td>
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<td></td>
<td>• Fungal Genomics and Ecology</td>
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<td></td>
<td>• Resistance to Viruses and Virus Characterization</td>
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<tr>
<td>1:00–2:30 p.m.</td>
<td>Plenary Session</td>
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<td>2:30–3:30 p.m.</td>
<td>MSA John Karling Lecture</td>
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<tr>
<td>3:30–5:30 p.m.</td>
<td>Poster Viewing with Authors</td>
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### Suppliers and Solutions to Help You Succeed—2013 APS-MSA Joint Meeting Exhibitors

Representatives from leading industry suppliers will be at this year’s meeting to answer questions and share information on products and services. Exhibitors are listed as of May 3, 2013. Visit [www.apsnet.org/meet](http://www.apsnet.org/meet) for updates. APS Sustaining Associates are signified by *.

<table>
<thead>
<tr>
<th>Company</th>
<th>Website</th>
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<tbody>
<tr>
<td>AC Diagnostics Inc.*</td>
<td><a href="http://www.acdiainc.com">www.acdiainc.com</a></td>
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<tr>
<td>Agdia Inc.*</td>
<td><a href="http://www.agdia.com">www.agdia.com</a></td>
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<td>APS Diagnostics Committee</td>
<td><a href="http://www.apsnet.org">www.apsnet.org</a></td>
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<tr>
<td>APS Office of Public Relations and Outreach (OPRO)</td>
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<td>APS Public Policy Board (PPB)</td>
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<tr>
<td>Bayer CropScience*</td>
<td><a href="http://www.bayercropscienceus.com">www.bayercropscienceus.com</a></td>
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<td>BigC: Dino-Lite Scopes</td>
<td><a href="http://www.biog.com">www.biog.com</a></td>
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<td>Bio Chambers Inc.</td>
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<td>Biopesticide Industry Alliance</td>
<td><a href="http://www.biopesticideindustryalliance.org">www.biopesticideindustryalliance.org</a></td>
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<td>Time</td>
<td>Tuesday, August 13</td>
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<tr>
<td>7:30 a.m.</td>
<td>Poster Viewing</td>
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<td>8:30–9:45 a.m.</td>
<td>Technical Sessions—tentative, subject to change</td>
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<tr>
<td></td>
<td>• Fungal Biology</td>
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<td>• Fungal Genetics and Genomics</td>
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<td>• Mechanism of Host and Non-Host Resistance</td>
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<td>• Virology</td>
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<tr>
<td>8:30–11:30 a.m.</td>
<td>Special Sessions—tentative, subject to change</td>
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<td></td>
<td>• Emerging Issues of Mycotoxins in Food Safety</td>
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<td>• Filling in the Gaps: How Do Xanthomonads Adapt to Diverse Hosts, Tissues, and Environments?</td>
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<td>• Fungal Ecology Beyond Boundaries: From Communities to the Globe</td>
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<td>• Invasive Threats to Palm Trees</td>
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<td>• New Products and Services</td>
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<tr>
<td>10:15–11:30 a.m.</td>
<td>Technical Sessions—tentative, subject to change</td>
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<tr>
<td></td>
<td>• Diseases of Potato</td>
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<td>• Fungal-Host Transcriptomics</td>
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<td></td>
<td>• Fungal Population Biology, Ecology, and Biochemistry</td>
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<td></td>
<td>• Virus-Host Interactions</td>
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<tr>
<td>1:00–2:00 p.m.</td>
<td>New! Second Plenary Session</td>
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<tr>
<td>1:00–2:00 p.m.</td>
<td>MSA Presidential Address</td>
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<tr>
<td>2:15–3:30 p.m.</td>
<td>Technical Sessions—tentative, subject to change</td>
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<tr>
<td></td>
<td>• Biological Control</td>
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<td>• Fruit Tree Pathology</td>
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<td>• Fungal Disease Control on Monocots</td>
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<td>• Fungal Ecology 2</td>
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<td>• Fungi</td>
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<td>• GenBank, Fungal Digitization, and Cell Biology</td>
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<td>• Pathogen Resistance</td>
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<td>• Pest and Disease Management</td>
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<tr>
<td>3:30–5:30 p.m.</td>
<td>Poster Viewing with Authors</td>
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<tr>
<td>5:30–7:30 p.m.</td>
<td>Leadership Opportunity and Social: Committee</td>
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<td>for Diversity and Equality presents “Networking:</td>
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<td>Take the Lead!”</td>
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<tr>
<td>6:30–9:30 p.m.</td>
<td>Final Round-Up</td>
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Student Awards and Degrees

Sudeep Bag recently completed the requirement for his Ph.D. degree in plant pathology from Washington State University (WSU). Bag’s supervisory committee included Hanu Pappu (chair), Amit Dhingra, Ken Eastwell, Neena Mitter (University of Queensland), and George Vandemark. His dissertation research was on biological, epidemiological, and molecular investigations into thrips-tospovirus pest complex affecting bulb and seed onion crops. Bag has an M.Sc. degree in biotechnology from Indira Gandhi Agricultural University (IGAU), India. He then worked as a research associate at the Indian Agricultural Research Institute, New Delhi, India, on virus diseases of horticultural crops before starting his Ph.D. degree at WSU. Bag received the Graduate School Scholarship in fall 2012 for outstanding research in a Ph.D. program at WSU; Graduate and Professional Student Association (GPSA) travel and registration grant (spring 2012) to attend the 7th International IPM Symposium, IPM on the world stage—Solutions for global pest challenges: Transcending boundaries, in Memphis, TN; and a competitive undergraduate research fellowship from the American Seed Trade Association’s (ASTA’s) Graduate Research Internship Award in the Denman forum. Bag was chosen as an ARCS Department Laureate. Plant Pathology is one of only four nation’s ARCS Laureate. Plant Pathology is one of only four nation’s ARCS Laureate. Grant offers. In 2009, Mauzey began an internship at the campus’ Chadwick Arboretum and Learning Gardens. The internship in the campus’ Chadwick Arboretum and Learning Gardens. The internship award was presented by the College of Food, Agricultural, and Environmental Sciences (CFAES) Graduate Research Internship Award in the Denman forum, “Do free amino acids in Asian and North American ash species explain patterns of induced resistance to the emerald ash borer?” Coauthors were Bonello, Amy Hill, David Showalter, and Sourav Chakraborty (plant pathology); Stephen Opiyo (Molecular and Cellular Imaging Center); and Larry Phelan (entomology).

Jeff Bullock (a Ph.D. student with Ken Eastwell) and Bhanu Priya Donda (a Ph.D. student with Naidu Rayapati) in the Department of Plant Pathology at Washington State University (WSU) were part of a six-member team that placed second in the WSU Global Case Competition finals held in the Smith Center on April 1, 2013. Members of the team in addition to Bullock and Donda were Shreya Shah, Kale Harrison, and Gunnar Hoff from the College of Engineering and Kristin Hounes from the College of Nursing. The Global Case Competition is a WSU event, organized by the Office of International Programs, which brings students together to develop solutions to complex global issues with local implication.

Katherine Gambone, plant pathology major, received first place in Ohio State University’s (OSU’s) College of Food, Agricultural, and Environmental Sciences (CFAES) Undergraduate Research Forum, Environmental and Plant Sciences category, for her poster, “Assessing the reactive oxygen species scavenging activity of Diploida pinea.” Coauthors were Patrick Sherwood and Pierluigi Bonello, Department of Plant Pathology. Gambone also presented her research at the university’s Denman Undergraduate Research Forum. Bradley Snyder, sustainable plant systems major/plant pathology minor, was awarded second place for his poster, “Identification of soybean aphid resistance for food grade soybeans,” with faculty advisor, Leah McHale, horticulture and crop science. Snyder also received a second-place award in the Denman forum.

Michael Falk, environmental sciences major, presented his undergraduate research at the Denman forum, “Do free amino acids in Asian and North American ash species explain patterns of induced resistance to the emerald ash borer?” Coauthors were Bonello, Amy Hill, David Showalter, and Sourav Chakraborty (plant pathology); Stephen Opiyo (Molecular and Cellular Imaging Center); and Larry Phelan (entomology).

Andrea Garfinkel, who is starting her Ph.D. degree this fall with Gary Chastagner, professor in the Department of Plant Pathology, Washington State University (WSU), at Puyallup Research and Extension Center, has been selected to receive the prestigious Achievement Rewards for College Scientists (ARCS) Scholarship from the ARCS Seattle Chapter (www.seattlearcsfoundation.org). ARCS Foundation is a national organization of 17 chapters serving 53 of the nation’s premier research universities. The Seattle Chapter has been recognized as a WSU Laureate. Plant Pathology is one of only four departments in the entire WSU system to be chosen as an ARCS Department by the ARCS Foundation. Garfinkel received her M.S. degree in agronomy with an emphasis on horticulture from the University of Wyoming (UW) in summer 2013. Her thesis title was “Wyoming brown and gold specialty fresh-cut sunflowers” and it focused on producing region-specific information for integrating cut sunflowers as a niche crop for greenhouse and high tunnel production in the High Plains. While at UW, she also worked as a plant pathology research assistant to assess the efficacy of experimental chemical fungicides for use in major agronomic cropping systems. This experience piqued her interest in disease management. Her other educational interests include supporting local horticulture industries through applied, producer-oriented research and community involvement. For her Ph.D. degree, Garfinkel will be working on the management of diseases of cut flowers.

Shan Lin, plant health management major at The Ohio State University, received the Outstanding Undergraduate Internship Award in the Department of Plant Pathology for her internship in the campus’ Chadwick Arboretum and Learning Gardens. The award was presented by the College of Food, Agricultural, and Environmental Sciences at a banquet on April 4 in Columbus, OH. Lin is a graduating senior from Dandong in the Liaoning province of China and is currently working in the laboratory of Thomas K. Mitchell.

Stacy Mauzey, a graduate student in the Department of Plant Pathology, Washington State University (WSU), was selected to receive the 2013 National Science Foundation (NSF) Graduate Research Fellowship, the highest award in science for graduate students in the country. NSF received more than 13,000 submitted applications for the 2013 competition and made 2,000 award offers. In 2009, Mauzey began an internship
at USDA/ARS at Salinas, CA, under the mentorship of Carolee Bull. During her time at USDA ARS from 2009 to 2011, she worked with several bacterial plant pathogens of vegetable crops. Her work culminated in two disease notes identifying a wider host range for the plant pathogen *Pseudomonas cannabina* pv. *alisalensis* to include brussels sprouts and cabbage. Mauzey also researched irrigation water as a possible inoculum source for *P. cannabina* pv. *alisalensis* in vegetable fields. Her final project at USDA ARS was identifying a new bacterial pathogen of parsley. She joined WSU in 2011 and is working under the supervision of Tim Murray and Brenda Schroeder. Her dissertation research involves identifying and characterizing a novel bacterial species. In addition to conducting research, Mauzey has also become an active member of the department, serving as treasurer (2011–2012) and president (2012–2013) of the WSU Plant Pathology Graduate Student Organization.

**Award**

Gary Grove, professor in the Department of Plant Pathology, Washington State University (WSU) and located at the Irrigated Agriculture Research and Extension Center (IAREC), Prosser, is a member of the WSU Decision Aid System (DAS) Team, which was selected to receive the 2013 WSU College of Agriculture, Human, and Natural Resource Sciences (CAHNRs) Team Interdisciplinary Award of Excellence. Grove and the rest of the team have developed what is arguably the best decision support system for tree fruits in the world. It is simple to use, comprehensive, and an excellent example of the convergence of science and information technology. The team is composed of faculty members from entomology (Vince Jones, Ute Chambers, Betsy Beers, Jay Brunner, and Brad Petit); plant pathology (Grove); horticulture (Larry Schrader); and Douglas-Chelan county agent (Tim Smith). This team has developed a decision support system for tree fruits (das.wsu.edu) that integrates 10 insect, four disease, and two horticultural models with environmental data (from WSU AgWeatherNet and NOAA’s National Digital Forecast Database), management recommendations triggered by model output, pesticide recommendations (which can be filtered by pests and their effects on natural enemies), video help files, and the ability to obtain historical model predictions to evaluate causes of control failure. Users can access not only the current model conditions and management recommendations, but also check how conditions will change over the next seven to 10 days, along with site-specific weather data important for management. DAS is available in English as well as Spanish.

**New Position**

Heiko Ziebell was appointed as a plant virologist to lead the vegetable virus group at the Julius Kuehn-Institute (JKI) in Braunschweig, Germany. Ziebell graduated from the University of Hanover, Germany, with a degree in horticulture. He then completed his Ph.D. dissertation in John Carr’s lab at the University of Cambridge, working on the mechanisms underlying cross-protection of *Cucumber mosaic virus* strains. A Trinity Hall research fellowship enabled him to continue his research in Cambridge, branching out into plant virus-vector-host interactions. After one year as a post-doc at Cornell University, working on virus-vector interactions, he moved to JKI as a research associate. Ziebell is taking over Joe Vetten’s research group, focusing on viruses of legumes and vegetables. His responsibilities are the development of diagnostic antibodies, both polyclonal and monoclonal, as well as the development of diagnostic tools for plant virus detection. Ziebell also collaborates with the Federal Plant Variety Office in Germany to screen novel vegetable varieties for virus resistance as well as the national and European plant protection agencies to develop diagnostic protocols for quarantine viruses. He also continues his research on the interactions of viruses, their plant hosts, and vectors with a particular focus on nanoviruses, which have only recently been discovered in central Europe. JKI is a government research institute under the Federal Ministry of Food, Agriculture, and Consumer Protection of the German government focusing on research on cultivated plants.

**Collaborations**

Natalia Peres, associate professor at the University of Florida Gulf Coast Research and Education Center, visited Arne Stensvand and David Gadourey at the Division of Plant Health in the Norwegian Institute for Agricultural and Environmental Research (Bioforsk) in April. Peres presented a seminar entitled “Diseases and fungicide resistance in strawberries in Florida”; met with the plant pathology faculty, graduate students, and post-doctoral scientists at Bioforsk to discuss collaborative research; and toured strawberry production areas to discuss issues of disease and fungicide resistance management with producers. Bioforsk is the National Agricultural Research and Extension Service of Norway and is principally headquartered at As, adjacent to the campus of the Norwegian University of Life Sciences (UMB). More information about research opportunities at Bioforsk can be seen at www.bioforsk.no/ikbViewer/page/en/research-area/?_document_id=98423.

Roger Innes, professor and chair of the Department of Biology, Indiana University, was visiting the Department of Plant Pathology at Washington State University

*People continued on page 86*
(WSU) on April 1–2, 2013. Innes’ visit was hosted by Axel Elling, assistant professor in the department, and his visiting program was organized by Stacy Mauzey, an M.S. student with Brenda Schroeder and Tim Murray. His research areas include eukaryotic cell biology, cytokinesis and signaling, microbial interactions and pathogenesis, and plant molecular biology with primary interest in understanding the genetic and biochemical basis of disease resistance in plants. During his visit, he met with graduate students, faculty, and post-doctoral research associates and presented a seminar entitled “Molecular mechanisms underlying pathogen recognition in plants.”

Department Update

Eight students fulfilled requirements for graduate degrees in the Department of Plant Pathology at the University of Georgia (UGA) in 2012.

Sydney Everhart received her Ph.D. degree under the direction of Harald Scherm. Her dissertation is entitled “Spatial pattern of brown rot symptoms and fine-scale genetic structure of Monilinia fructicola within stone fruit tree canopies.” Through a combination of field research and molecular biology, her work characterized the three-dimensional spatial pattern of brown rot epidemics within stone fruit canopies and assessed the extent of fine-scale clonal dispersal within individual trees. While pursuing her degree, Everhart was awarded the R. J. Tarleton Student Fellowship and the C. Lee Campbell Student Travel Award from APS, and she was an invited speaker at the 11th I. E. Melhus Graduate Student Symposium. She is also a recipient of a USDA AFRI-NIFA post-doctoral fellowship grant and currently works with Nik Grünwald at Oregon State University on population genomic characterization of Phytophthora ramorum.

Ansuya Jogi completed an M.S. thesis entitled “Identification of genes differentially expressed during early interactions between the stem rot fungus Sclerotium rolfsii and peanut Arachis hypogaea cultivars with varying disease resistance levels” under the direction of Scott Gold. She was the recipient of the 2012 Cedric Kuhn Outstanding Masters Student Award from the Georgia Association of Plant Pathologists (GAPP), an Outstanding Teaching Assistant Award from UGA, and the 2011 George Herman Starr Student Travel Award from APS. Jogi currently works at UGA as the diagnostian for the Athens Plant Disease Clinic.

Pablo Navia-Gine received an M.S. degree under the direction of Albert Culbreath at the Tifton Campus. His thesis, “Characterization of the relationship between leaf spot severity and yield in new peanut runner-type cultivars and effects of new genotypes on leaf spot epidemics,” showed that new peanut cultivars can tolerate higher levels of defoliation by leaf spot diseases than would have been expected based on previous yield loss models. Navia-Gine also demonstrated that the Normalized Difference Vegetation Index (NDVI) calculated from canopy reflectance measurements was highly correlated with visual estimates of percent defoliation.

Edwin Palencia received his Ph.D. degree under the supervision of Charles Bacon. His dissertation, “Endophytic associations of species in the Aspergillus section Nigri with maize Zea mays and peanut Arachis hypogaea hosts, and their mycotoxins,” provided evidence that some species within the black-spored aspergilli are capable of developing endophytic interactions with maize and peanut. He also developed analytical methods to explore the ability of this fungal group to produce the carcinogenic ochratoxins and fumonisins. During his tenure as a graduate student, Palencia was the recipient of the Zahir Eyal and Eugene S. Saari Travel Award and a Travel Award from APS Council. He was also actively involved in mentoring college students in the South Carolina Alliance for Minority Participation program. Palencia continues his work on mycotoxin-producing fungi as a post-doc in the USDA ARS National Peanut Research Laboratory.

Matthew Roberts recently completed an M.S. degree under the direction of David Langston at the Tifton Campus. His thesis was entitled “Understanding the role of environment and the use of fungicides for improved control of southern blight of tomato.” Roberts developed a detached stem bioassay that allowed him to evaluate the efficacy and systemicity of fungicides against Sclerotium rolfsii. Plastic mulches of different colors were used to determine the effect of soil temperature and volumetric water potential on the onset and spread of southern blight. He is currently employed as a public service representative for UGA’s Cooperative Extension Service in Colquitt County, the top-ranked of Georgia’s 159 counties in farm gate value.

Sara Thomas received her Ph.D. degree under the direction of Harald Scherm in December 2012. Her dissertation, entitled “Management of blueberry flower infection by Monilinia vaccinii-corymbosi.” Potential for induced resistance and pre- and post-anthesis fungicide activity,” addressed some unique challenges of managing flower-infecting pathogens. While pursuing her degree, she received several awards and honors, including the Cedric Kuhn and Kenneth E. Papa Outstanding Graduate Student Awards from GAPP, as well as research and travel grants from Sigma Xi, UGA Graduate School, and APS. She presently works as a post-doctoral research associate at Kansas State University with Karen Garrett.

Two students within the UGA Plant Pathology Graduate Program completed the masters in plant protection and pest management (MPPPM) degree, a professional, non-thesis program that produces graduates with comprehensive, interdisciplinary training in integrated management of insect, plant disease, and weed pests of agricultural, commercial, and home commodities. Eddie Beasley interned with Alex Caison conducting field trials on nematodes and soilborne diseases of tobacco. Beasley is now employed as an extension agent in Berrien County. Fritz Turpin was advised by Tim Grey in the Department of Crop and Soil Sciences and conducted studies on IPM systems in pecan orchards. Turpin is a representative with R. W. Griffin, LLC, a fertilizer and agrichemical retailer.
Phytopathology

June 2013, Volume 103, Number 6

Aspects of Pathogen Genomics, Diversity, Epidemiology, Vector Dynamics, and Disease Management for a Newly Emerged Disease of Potato: Zebra Chip.

Hidden Host Plant Associations of Soilborne Fungal Pathogens: An Ecological Perspective.

Visualization of ‘Candidatus Liberibacter asiaticus’ Cells in the Vascular Bundle of Citrus Seed Coats with Fluorescence In Situ Hybridization and Transmission Electron Microscopy.

Characterization of a Variant of Xanthomonas citri subsp. citri that Triggers a Host-Specific Defense Response.

Multiple Ceratostigma smallii Infections Associated with Reduced Stem Water Transport in Bittersweet Hickory.

Identification and Molecular Mapping of a Wheat Gene for Resistance to an Unadapted Isolate of Colletotrichum ardeae.


Functional Analysis of Psd3-A4, an Ortholog of Rice Blast Resistance Gene Psd3 Revealed by Allele Mining in Common Wild Rice.


Development of a Magnetic Capture Hybridization Real-Time PCR Assay for Detection of Tomumorgenic Agrobacterium vitis in Grapevines.


Plant Disease

June 2013, Volume 97, Number 6

Relationships Between the Pathogen Oidium virus and Viruses Associated with Lettuce Big-Vein Disease.

Identification, Virulence, and Distribution of Two Biavars of Pseudomonas syringae pv. actinidiae in New Zealand.

Reticulation of Lines of the Rapid Cycling Brassica Collection and Arabidopsis thaliana to Four Pathotypes of Plasmodiophora brassicae.

Genetic Analysis of Adult Plant Resistance to Yellow Rust and Leaf Rust in Common Spring Wheat Quail 5.

Manosporascus cortex, a Cause of Root Rot and Vine Decline in Tunisia, and Evidence that M. cannonellus and M. exopolitidis Are Distinct Species.

Pathogenicity and Virulence of Phytophthora Species Obtained from Forest Nursery Soils on Douglas-Fir Seedlings.

Pathogenicity of Diatrypaceous Fungi on Grapevines in Australia.


Eradication of Plant Pathogens in Forest Nursery Irrigation Water.

Efficacy of Area-Wide Inoculum Reduction and Vector Control on Temporal Progress of Huanglongbing in Young Sweet Orange Plantings. The Effect of Horsfall-Barratt Category Size on the Accuracy and Reliability of Estimates of Pecan Scab Severity.

Effect of Fungicide Seed Treatments, Cultivars, and Soils on Soybean Stand Establishment.


Phenotypic, Molecular, and Pathological Characterization of Colletotrichum acutatum Associated with Andean Lupine and Tamarillo in the Ecuadorian Andes.


First Report of Bacterial Gall on Lonsopatraceum chinense Caused by Pseudomonas savastanoi in the United States.

First Report of Bacterial Spotted Cyst of Xanthomonas arboricola pv. pruni on Japanese Plum in Taiwan.


First Report of a New Lovegrass Type 1, Pathotype A Xanthomonas citri cv. pruni from Lime and Lemon Fruit Originating from Bangladesh.

First Report of a Leaf Spot Disease of Golden Dewdrop (Duranta erecta) Caused by Pseudomonas cichorii and Xanthomonas species in Florida.


First Report of Bacterial Leaf Spot on Cichorium intybus Caused by Pseudomonas cichorii in Florida.

First Report of Verticillium dahliae Kleb. pv. albidus allistima in Virginia Caused by Verticillium nonalfalfae.

First Report of Leaf Blight of Cyperus iria Caused by Fusarium equiseti in India.

First Report of Dicoccon hordei Virulence to Barley Leaf Rust Resistant Genotype Rpy6 and Combination with Virulence to Rpy7 in North America.

First Report of Anthracnose of Sunflower Sprouts Caused by Colletotrichum acutatum in New Mexico.

First Report of Late Blight Caused by Phytophthora infestans on Chinese Lineage (Y2-23) on Tomato and Potato in Wisconsin, United States.

First Report of Oregon Grape (Mahonia aquifolium) as an Alternate Host for the Wheat Stripe Rust Pathogen (Puccinia recondita f. sp. tritici) Under Artificial Inoculation.

First Report of Verticillium Wilt Caused by V. dahliae on Grafted Solanum aethiopicum in Washington.

First Report of Potato Stem Canker Caused by Rhizoctonia solani AG-4 HGI in Ganzu Province, China.


First Report of Powdery Mildew Caused by Erysiphe penicilli on Scamore (Platanus occidentalis) in South Korea.

First Report of Anthracnose Caused by Colletotrichum gloeosporioides on Soybean (Glycine max) in Malaysia.

First Report of Powdery Mildew Caused by Pseudoperonospora tabacina (syn. P. tabacina) on Cochlebue in Korea.

First Report of Blackleg Caused by Leptosphaeria maculans on Canola in Idaho.

First Report of Neofusicoccum aurale (Botryosphaeria aurale), as a Branch Dieback Pathogen of Arabidopsis thaliana.

First Report of Powdery Mildew of Platanus occidentalis Caused by Erysiphe platani in Korea.

Diaporthe ambigua Associated with Post-Harvest Fruit Rot of Kiwifruit in Chile.

First Report of Soybean Stem Blight Caused by Phomopsis longicolla in Guangdong Province, Southern China.

First Report of Ascochyta Leaf Spot of Quinoa Caused by Ascochyta sp. in the United States.

First Report of Verticillium Wilt Caused by Rosmarinus officinalis) Caused by Rhizoctonia solani AG-1-IA in Italy.

First Report of a Leaf Spot on Greenhouse Tomato Caused by Cladosporium acutatum in China.

First Report of Stem and Leaf Anthracnose on Blueberry Caused by Colletotrichum gloeosporioides in China.

Morphological and Molecular Identification of Cypripedium calceolus Causing Canker on Populus spp. in China.

First Report of Stem Wilt and Root Rot of Schloemer’s Dwarf Fusarium oxysporum f. sp. Opuntiae in Southern Italy.

First Report of Penicillium expansum Causing Postharvest Blue Mold of Fresh Date Palm Fruit (Phoenix dactylifera) in Spain.

First Report of Leaf Spot Caused by Corynebacterium ciaonella on Rose of Sharon in Korea.

First Report of Curcularia gladiolii Causing a Leaf Spot on Gladiolus grandiflora in Brazil.

First Report of Powdery Mildew of Snow Lotus (Sempervivum tectorum) Caused by Leveillula taurica in China.

First Report of a New Leaf Spot Caused by Plectosphaerella cucumerina on Field Grown Endive (Cichorium endivia) in Italy.

First Report of Postharvest Blue mold of Strawberry Seedlings in France.


First Report of Lettuce mosaic virus Infecting Lactuca sativa in India.

Arabidopsis mosaic virus in Grapevines in New York State.

First Report of Tomato spot wilt virus on Brugmansia sp. in Serbia.

First Report of Impatiens necrotic spot virus (INSV) Infecting Basil (Ocimum basilicum) in the United States.

First Report of Transmission of Little cherry virus 2 to Sweet Cherry by Pseudococcus maritimus (Ehrhorn) (Homoptera: Pseudococcidae) in California.

First Report of the Natural Infection of Robinia pseudoacacia with Aphasis moss virus.

First Report of Soybean Cyst Nematode (Heterodera glycines) on Tobacco in Henan, Central China.

First Report of Sudden Root Rot Caused by Trichoderma ochraceum on Zosia grass and Bermudagrass in South Carolina.

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Microbe-Independent Entry of Oomycete RxLR Effectors and Fungal RxLR-Like Effectors Into Plant and Animal Cells Is Specific and Reproducible.

Contribution of Small RNA Pathway Components in Plant Immunity.

Guarding the Green: Pathways to Stomatal Immunity. Host-Induced Gene Silencing in Barley Powdery Mildew Reveals a Class of Ribonucleic-Like Effectors.


Tomato MNPV Kinase Phosphatase (NtMKP1) Negatively Regulates Wound Response and Induced Resistance Against Necrotrophic Pathogens and Lepidopteran Herbivores.


Infection Structure-Specific Reductive Iron Assimilation Is Required for Cell Wall Integrity and Full Virulence of the Maize Pathogen Colletotrichum graminicola.

Plant Management Network

www.plantmanagementnetwork.org

Plant Health Progress


Identification of Two Tobacco streak virus Capsid Protein Variants Associated with Leaf Mortle and Necrosis Symptoms on Astible.

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Calendar of Events

**Other Upcoming Events**

**June 2013**

- **June 16-19**: Canadian Phytopathological Society Annual Meeting. Edmonton, AB, Canada. [www.phytopath.ca/meetings.shtml](http://www.phytopath.ca/meetings.shtml)
- **June 23-28**: XVI International Botrytis Symposium. Locorotondo, Bari, Italy. [www.xvibotrytisymposiumbari.it](http://www.xvibotrytisymposiumbari.it)

**July 2013**

- **July 2-5**: XIII International Workshop on Fire Blight. Zurich, Switzerland. [www.fireblight2013.org](http://www.fireblight2013.org)

**August 2013**

- **August 10-14**: 2013 APS-MSA Joint Meeting. Austin, TX. [www.apsnet.org/meet](http://www.apsnet.org/meet)

**October 2013**

- **October 23-25**: 2013 APS Northeastern Division Meeting. Southington, CT. [www.apsnet.org/divisions/ne](http://www.apsnet.org/divisions/ne)

**Upcoming APS Annual Meetings**

- **August 9-13, 2014**: Minneapolis, MN. (Held jointly with the Canadian Phytopathological Society.)
- **August 8-12, 2015**: Albuquerque, NM.
- **July 30-August 2, 2016**: Tampa, FL.