2013 Awards & Honors Ceremony

Sunday, August 11, 2013
Austin, Texas, U.S.A.

Horses ©Fesus Robert, courtesy Shutterstock.com; Guitar by Andy Schrader, courtesy of the Austin CVB.

APS

Browning Plant Medicine and Health Travel Award

Chris Borman
University of Nebraska

This graduate student travel fund, established by the generous gift from Past President J. Artie Browning and his wife, Arra, was established specifically to assist graduate students majoring in the doctor of plant medicine or the doctor of plant health to attend and participate in a professional meeting or conference appropriate to their interests.

French-Monar Latin American Award

María Josefina Iribarren
National University of La Plata

The French-Monar Latin American Award was established by Edward R. French and Delia Monar French. The earnings from this endowment provide financial support for plant pathologists from Latin America in a variety of ways. This year's award provided support for the awardee to attend the 2013 Latin American Phytopathological Congress (organized by the Latin American Phytopathological Association [ALF]).

Frank L. Howard Undergraduate Fellowship

Zachary Noel
University of Vermont

The Frank L. Howard Undergraduate Research Fellowship was established to encourage the involvement of undergraduate students in plant pathology research and to encourage students to pursue advanced degrees and careers in plant pathology.

International Travel Award

María Eugenia Ordóñez
Pontificia Universidad Católica del Ecuador

The APS Foundation, in cooperation with the Office of International Programs, has established this travel fund to support travel costs for early- to mid-career international APS members to participate in an APS Annual Meeting. This fund is intended to support scientists native to and working in developing countries who otherwise would not be able to attend APS meetings.

13th I. E. Melhus Graduate Student Symposium Awards

Selected graduate students will present their work in this special graduate student symposium focused this year on research related to minimizing plant disease risk. Presenters for this session are selected on the basis of the originality and significance of their approach to reducing plant disease risk.

Sarah J. Bardsley
The Pennsylvania State University

Allison E. Ferry
University of California-Davis

Kathryn Fiedler
Virginia Tech

Emily E. Pfeufer
The Pennsylvania State University

Jorge David Salgado
The Ohio State University

Schroth Faces of the Future – Explorations in Contemporary Mycology

The Schroth Faces of the Future—New Frontiers in Mycology Symposium is designed to acknowledge the "up and comers" in mycology. The awardees have the opportunity to highlight their current work and speculate on the future directions of their discipline. This symposium was made possible by a generous donation from Milt and Nancy Schroth. Milt Schroth is an internationally known expert on bacterial diseases, systematics, and biocontrol.

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 Award

Imana Power
University of Georgia

This fellowship was established by former APS Executive Vice President Raymond J. Tarleton to support graduate students in plant pathology research and to encourage students to further their careers in plant pathology.

APS Public Policy Early Career Internship

Tim Durham
Florida Gulf Coast University

The goal of an APS Public Policy Early Career Internship is to provide an opportunity for the selected individual(s) 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 the APS Public Policy Board, an intern learns how scientific societies, nongovernmental organizations (NGOs), executive branch agencies (e.g., USDA, NSF, EPA), and the legislative branch interact in crafting public policy.

Student Travel Awards

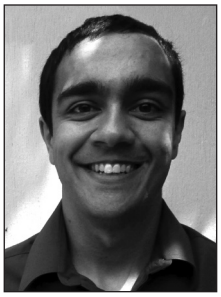
The APS Foundation is pleased to provide APS Annual Meeting Named Student Travel Awards to the following individuals.

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. Bekoscke
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

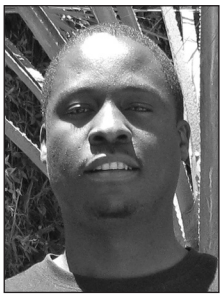


The Robert W. Fulton Student Travel Award and The Kyung Soo Kim Student Travel Award
Robin Choudhury
University of California – Davis

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. Fulkerson 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

Luis Sequeira Student Travel Award
Tiffany Lowe
University of Wisconsin

Roger C. Pearson Student Travel Award
Tyler McCann
University of Florida

Don E. Mathre Student Travel Award
Lucky Mehra
North Carolina State University

The Zahir Eyal Student Travel Award and The John S. Niederhauser Student Travel Award
Rachel P. Naegele
Michigan State University

Albert Paulus Student Travel Award
Nisita Obulareddy
University of Texas

Malcolm C. Shurtleff Student Travel Award
Cory A. Outwater
Michigan State University

Virology Student Travel Award
Sudarsana Poojari
Washington State University

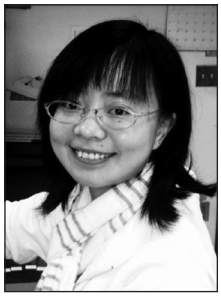
Elsie J. and Robert Aycock Student Travel Award
Jeannette Rapicavoli
University of California – Riverside

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

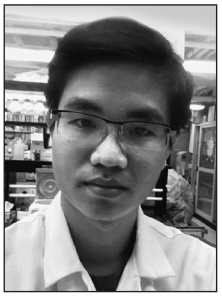


The Evanthia D. and D. G. Kontaxis Student Travel Award and The Landis International Student Travel Award
Xiaomei Shu
North Carolina State University

Stephen A. Johnston Student Travel Award
Ian M. Small
Cornell University

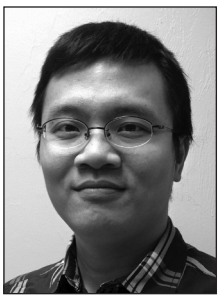
Gustaaf A. and Ineke C. M. de Zoeten Student Travel Award
Matthew Tancos
Cornell University

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

Ruth Allen Award

This award recognizes individuals who have made an outstanding, innovative contribution to research that has changed or has the potential to change the direction of research in any field of plant pathology.

Yong-Hwan Lee

Seogchan Kang

Yong-Hwan Lee, professor of plant pathology at Seoul National University, obtained his B.S. (1983) and M.S. (1985) degrees in plant pathology from Seoul National University. After obtaining a Ph.D. degree in plant pathology at Louisiana State University in 1991, he worked as a visiting assistant professor at Clemson University and as a senior research scientist at LG Chemicals. Since 1995, he has been on the faculty of Seoul National University. **Seogchan Kang**, professor of plant pathology at Pennsylvania State University, completed his B.S. and M.S. degrees in chemistry in 1983 and 1985, respectively, at Seoul National University. He received his Ph.D. degree in physiological chemistry in 1991 at the University of Wisconsin. Kang was a visiting scientist at DuPont, followed by post-doctoral appointments at Purdue University and the University of New Mexico. Since 1997, he has been working at Penn State. To support research and education in plant pathology, Lee and Kang have collaborated in building an innovative and versatile cyberinfrastructure, which includes comparative genomics platforms that archive genome data from all sequenced fungi and oomycetes, databases that archive genotypic and phenotypic characteristics of major pathogen genera to support pathogen identification, and informatics tools to support data analysis and visualization. These online data and informatics resources have helped the transformation of fragmented community research efforts into a globally networked endeavor by providing effective means for data preservation, sharing, integration, and utilization. Considering the increasing importance of team approaches and data integration in solving complex problems, the work by Kang and Lee represents an exemplary model.

Lee M. Hutchins Award

This is an award to the author or authors of published research on basic or applied aspects of diseases of perennial fruit plants (tree fruits, tree nuts, small fruits, and grapes, including tropical fruits, but excluding vegetables).

George W. Sundin received his B.S. degree in biology at Penn State University. M.S. degree in plant pathology from Michigan State University, and Ph.D. degree in plant pathology from Oklahoma State University. In 2002, Sundin joined the Department of Plant Pathology at Michigan State University, where he is currently professor and extension specialist with responsibilities in tree fruit disease management. Sundin is recognized specifically for his basic and applied research on fire blight disease and the *Erwinia amylovora* pathogen. He is part of a team that recently identified the first gene-for-gene interaction between *Malus* spp. and *E. amylovora*, provided critical research results necessary for the Michigan Department of Agriculture to obtain a Section 18 specific exemption from the EPA for apple growers in Michigan to use the new agricultural antibiotic kasugamycin, and has begun extensive genome-scale studies to understand the regulation of pathogenesis in *E. amylovora* by small noncoding RNAs and the second messenger compound cyclic di-GMP. Sundin is committed to graduate education and has served as mentor for eight M.S. and nine Ph.D. graduate students and ten post-doctoral research associates during his career. Sundin was an associate editor from 2004 to 2006 and senior editor from 2009 to 2011 for *Phytopathology* and is currently editor-in-chief for the 2012–2014 term and a member of the APS Publications Board. He has served the North Central Division as councilor and divisional forum representative from 2009 to 2012 and was the inaugural chair of the APS Divisional Forum from 2010 to 2011.

Noel T. Keen Award for Research Excellence in Molecular Plant Pathology

This award recognizes APS members who have made outstanding contributions and demonstrated sustained excellence and leadership in research that significantly advances the understanding of molecular aspects of host–pathogen interactions, plant pathogens or plant-associated microbes, or molecular biology of disease development or defense mechanisms.

Sophien Kamoun was born in Tunis, Tunisia. He received a Maitrise (B.S.) degree from Pierre and Marie Curie University, Paris, France, and a Ph.D. degree in genetics from the University of California-Davis. He held positions at Wageningen University, The Ohio State University, and The Sainsbury Laboratory, Norwich, United Kingdom, where he is currently

senior scientist and head. He also holds a professor of biology chair at The University of East Anglia, Norwich, United Kingdom. Kamoun made unique and ground-breaking contributions to the science of plant pathology. He discovered the first family of disease effector proteins from oomycetes, the group of plant pathogens that includes the late blight pathogen that caused the Irish potato famine. He made crucial discoveries about oomycete pathogenicity by identifying additional classes of effectors, developing an understanding of how effectors modulate plant immunity, and establishing how antagonistic coevolution with host plants impacts pathogen genomes. His pioneering work on oomycete effector biology and pathogenomics has resulted in new approaches to breeding disease-resistant crops.

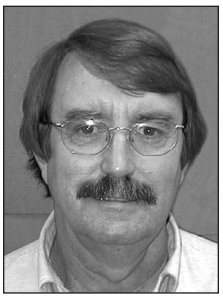
Syngenta Award

This award is given by Syngenta to an APS member for an outstanding contribution to teaching, research, or extension in plant pathology.

Lindsey J. du Toit earned her B.Sc. degree with honours in plant pathology from the University of Natal, Pietermaritzburg, in South Africa in 1991 and her M.S. and Ph.D. degrees in plant pathology in 1995 and 1998, respectively, from the University of Illinois at Urbana-Champaign. From 1998 to 2000, du Toit served as plant diagnostician for the Plant & Insect Diagnostic Lab at the Washington State University (WSU) Puyallup Research & Extension Center. In 2000, she was hired as assistant professor/extension specialist with the WSU Department of Plant Pathology. She was promoted to associate professor/extension specialist E3 in 2006 and to professor/scientist/extension specialist E4 in 2013. du Toit's research program at the WSU Mount Vernon Northwestern Washington Research & Extension Center has focused on the biology, epidemiology, and management of a wide range of bacterial, fungal, and viral diseases that affect small-seeded vegetable seed crops in the Pacific Northwest. Her research program is nationally and internationally recognized, and she is a world leader in the field of seed pathology. She is known for developing practical solutions for disease problems, developing new and innovative approaches for detecting seedborne pathogens, and working cooperatively with industry partners to address problems relevant to stakeholders. du Toit's research achievements are documented in 47 peer-reviewed publications, seven book chapters, and numerous nonrefereed and popular articles. In addition, Lindsey du Toit is active in service to professional societies and organizations and in teaching and mentoring graduate and undergraduate students.

International Service Award

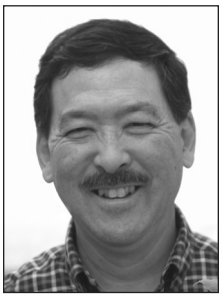
This award recognizes outstanding contributions to plant pathology by APS members for countries other than their own.



Jack C. Comstock obtained his B.S. (1965) and Ph.D. (1971) degrees from Michigan State University. Following post-doctoral studies at Iowa State University, he joined the Experiment Station of the Hawaiian Sugar Planters' Association, Aiea, Hawaii (1974) and the USDA-ARS Sugarcane Field Station, Canal Point, Florida (1989), both as sugarcane pathologist. Comstock is a world-renowned sugarcane pathologist and developer of sugarcane cultivars grown extensively in Central America, contributing significantly to its sugar production. Throughout his career, he has authored numerous sugarcane pathology research manuscripts, extension articles, and book chapters. He has provided training in disease diagnosis and screening to more than 50 international sugarcane scientists/agriculturalists and assisted identifying sugarcane diseases in more than a dozen countries. Jack Comstock has been an invited speaker, consultant, and mentor in many countries and has played a major role in the international sugarcane community. He has been an active lifetime APS member.

Excellence in Extension Award

This award recognizes excellence in extension plant pathology.



Steven Terry Koike attended the University of California (UC)-Davis and earned B.S. (plant science, 1978) and M.S. (pest management, 1980) degrees. He has been the plant pathology farm advisor for UC Cooperative Extension in Monterey and Santa Cruz Counties since 1989. Stationed in the Salinas Valley, Koike's research involves dozens of hosts, many etiological factors, and diverse epidemiological settings. Koike's drive to address industry problems motivated him to expand his work into areas beyond plant pathology, such as food safety (following the *E. coli* O157:H7 outbreak on spinach) and thrips species identification (following outbreaks of INSV on lettuce). His authorship on 913 publications, including 281 refereed articles, attests to the broad scope of his research and to his success in developing collaborative teams. Koike operates the only county-based plant pathology lab for UC and places a high priority on diagnostics, as evidenced by his 121 Disease Notes. Koike has spoken at more than 400 extension and industry meetings and has written hundreds of extension articles. He is particularly focused on helping the limited-resource growers in his region who speak only Spanish. Koike uses his fluency in Spanish to directly communicate with them and to write Spanish-language extension articles. Since 1990, he received 52

Koike continued

invitations to speak at statewide, national, and international conferences. Koike has received the Outstanding Achievement Award from California Friends of Agricultural Extension and the Oscar Lorenz Award from UC-Davis and is the two-time recipient of the Distinguished Service Award for Research from UC Cooperative Extension.

Excellence in Regulatory Affairs and Crop Security

The Excellence in Regulatory Affairs and Crop Security Award recognizes outstanding contributions to regulatory plant pathology, crop security, and trade enhancement efforts by APS members. "Crop" is defined as a non-animal species or variety grown for food, livestock fodder, ornamental, silvicultural, fuel, or any other economic purpose.

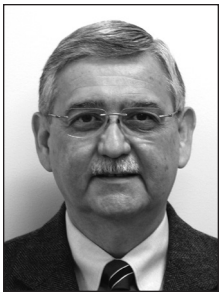
Laurene Levy

Mary Palm

The National Regulatory Diagnostics Team, led by **Laurene Levy** and **Mary Palm**, has collectively guided USDA APHIS PPQ diagnostics for the last quarter of a century. During this time, vast changes have occurred in safeguarding America's agriculture, moving from reliance on morphological techniques to the complex system of morphological, immunological, and molecular characterization employed today. The team's commitment to developing and implementing a national plant diagnostic system has supported the formation of the National Plant Diagnostic Network and National Plant Pathogen Laboratory Accreditation Program. Levy and Palm are actively engaged in advancing the science of plant pathology via leadership roles within APS and have published nearly 100 peer-reviewed articles, numerous technical manuals, and multiple books and chapters. Given the team's distinguished service on important issues such as sudden oak death, soybean rust, *Plum pox virus*, and other significant regulatory pathogens, they are recognized as the 2013 recipients of the Excellence in Regulatory Affairs and Crop Security Award.

Excellence in Teaching Award

This award recognizes excellence in teaching plant pathology.



Carlos Gonzalez was born in San Antonio, TX. He earned B.S. and M.S. degrees in microbiology from Texas A&M University (TAMU) and a Ph.D. degree in plant pathology at the University of Nebraska (1978). After post-doctorals at the University of California-Davis and University of Michigan, he explored novel microbial products for the food industry for 6 years. Since 1986, he has been in the Plant Pathology and Microbiology Department at TAMU, where he is currently a professor. Gonzalez teaches introductory plant pathology and bacterial plant diseases and has an active research program on *Burkholderia* spp. He is recognized for leadership in advancing educational opportunities for minorities and for engagement of students in experiential learning as a centerpiece of his research program. He has attracted more than 65 undergraduates to his laboratory and is noted for his infectious enthusiasm for scientific discovery and for working closely with students as they develop research skills. Fulfilling his commitment to diversity and minority recruitment, he has led student recruiting efforts from Hispanic-serving institutions, HBCUs, and Tier 2 institutions into the Plant Pathology Ph.D. Program at TAMU. He played a significant role in developing TAMU's nationally recognized Bioenvironmental Sciences undergraduate curriculum, in which he is extremely effective in teaching a course in Bioenvironmental Microbiology. He received the TAMU Diversity Award (2011) and the MANRRS Legends Award (2013). Carlos Gonzalez is a person of intelligence and graciousness who is committed to a service role as well as scholarship. His record in teaching both within and outside the classroom demonstrates scholastic excellence and achievement.

APS Fellows

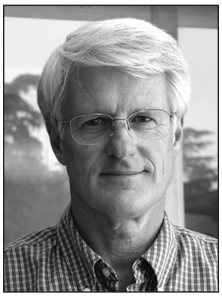
The society grants this honor to a current APS member in recognition of distinguished contributions to plant pathology or to The American Phytopathological Society.

Caitilyn F. Allen is an internationally recognized expert on the interactions between the bacterial wilt pathogen *Ralstonia solanacearum* and its hosts. Her work is characterized by a focus on the biology of the pathogen in its natural environment. Her methods are largely molecular, but her questions are driven by curiosity about pathogen evolution and a desire to address a serious agricultural problem. She has used bacterial mutants and biologically representative plant assays to identify many of the pathogen's defining strategies. Her genomic analyses have created a microbe's eye view of life inside plants and generated testable hypotheses about virulence mechanisms. Allen is highly collaborative, working with diverse colleagues around the world. Her work on *R. solanacearum* Race 3 biovar 2 has put her at the forefront of research and policy development with this Select Agent. Allen pioneered many courses and programs, with particular interests in molecular plant-microbe interactions and tropical plant pathology. Her teaching has been recognized both locally and nationally. In 2008, she was awarded the *Palme Academique* for her significant contributions to French education and culture. Her international work includes projects in Guatemala, South Africa, and the Caribbean. Beyond her editorial service for *MPMI* and APS PRESS, she has also served on numerous APS committees, including Bacteriology, Agricultural Bioterrorism, Visioning, and the Future of Plant Pathology. Overall, Caitilyn Allen has amassed

an outstanding record of accomplishment in the areas of research, teaching, international work, and service to plant pathology.

Anne M. Alvarez was born in Rochester, Minnesota. She obtained a B.A. degree from Stanford University and completed M.S. and Ph.D. (1972) degrees at the University of California-Berkeley. In 1973, Hawaii became the first state in the United States to hire a woman extension specialist in plant pathology. In early years, Alvarez worked on diseases of vegetables and fruits, focusing on postharvest diseases of papaya. She later took a research/teaching position as a plant bacteriologist and currently is a professor at the University of Hawaii. Alvarez has made long-lasting contributions to the detection and management of bacterial diseases, especially for tropical plants. Her work ranges from bacterial ecology to phylogeny and molecular genetics. Alvarez provided leadership in developing new approaches for rapid and accurate detection of bacterial pathogens and helped pioneer immunodiagnostic tests using monoclonal antibodies. Strain-specific antibodies were used to trace distinct bacterial populations in field studies and to distinguish the impacts of soilborne vs. seedborne inoculum. With students and colleagues, she used genomic methods to determine origins and distribution of the pineapple heart rot pathogen and helped pioneer the development of loop-mediated isothermal amplification (LAMP) for sensitive DNA-based detection of bacterial pathogens. Alvarez has been highly active throughout her career in service to APS, including the Office of International Programs, Electronic Communications, *Plant Health Progress*, APS PRESS, and journal editorships. She recently served on the APS Foundation Board. Her achievements demonstrate how research innovation and knowledge can directly benefit agriculture and education.

Jim Correll obtained a B.S. degree from Pennsylvania State University and M.S. and Ph.D. degrees in plant pathology from the University of California-Berkeley. Correll currently is a professor of plant pathology at the University of Arkansas. Correll has made many important contributions in plant pathology, including his pioneering genetics work on vegetative compatibility with fungal pathogens. He also has conducted seminal research on the molecular diversity of fungal populations. Correll is considered a leading authority on spinach diseases worldwide and has been instrumental in documenting the evolution of races of the spinach downy mildew pathogen and has identified all the contemporary races of the pathogen. In addition, he has elucidated the genetics of resistance to this pathogen and was the first to develop molecular markers linked to major genes for resistance. Correll also has been actively involved in research on the population diversity of the rice blast pathogen and the identification of resistance in rice. In addition, he has been an active volunteer for numerous philanthropic international work assignments with Winrock International and other NGOs, where his expertise in integrated pest management has had significant impact on the disease management of various crops and also on the incomes and the quality of life of people in many developing nations. Jim Correll has served APS in multiple capacities in his career, including serving twice as a senior editor of *Plant Disease* and *Phytopathology* and as an associate editor of *Plant Disease* and *Phytopathology.*



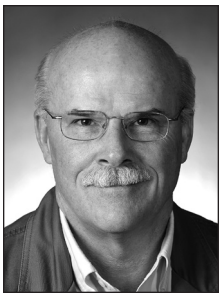
R. Michael Davis earned his B.A. degree in biology in 1974 from California State University, Long Beach and his Ph.D. degree from the University of California-Riverside in 1979. He then joined the Texas A&I (now A&M) Citrus Center in Weslaco, Texas, as an assistant professor. He became a member of the Department of Plant Pathology, University of California-Davis in 1986 as a cooperative extension specialist, a position he holds today with a joint professor title. Davis's research program has focused on the study of diseases of citrus, vegetables, and field crops and the development of disease management strategies. He has made seminal contributions in our understanding of the biology, epidemiology, and management of diseases of field and vegetable crops. In addition, he has conducted research on edible mushroom production and become a leading authority on mushroom identification in California. Davis is an accomplished and dedicated teacher. He teaches graduate courses on diagnostics and management of diseases of vegetables and field crops and an advanced plant pathology laboratory, as well as undergraduate courses on world food production and mushroom identification. Davis has been active in service to APS. He was the primary editor and a contributor of two compendia, *Compendium of Umbelliferous Crop Diseases* and *Compendium of Lettuce Diseases*, and the primary editor and a contributor to *Tomato Health Management.* He recently served as editor-in-chief of *Plant Disease* (2010–2012), and prior to that, served terms as Notes assigning editor, associate editor, and senior editor of that journal.

José Carmine Dianese graduated in agronomy from the Universidade Federal de Viçosa, Brazil, in 1962. He was the first Brazilian to receive a Ph.D. degree in plant pathology from the University of California-Davis (1970) and the second in the entire United States. His career began in 1971 at the Universidade de Brasília (UnB), where he was promoted to full professor in 1985 and to professor emeritus in 2012. Dianese's career has spanned research, teaching, service, and administration. He has published more than 100 research papers in international journals and has made significant contributions to plant pathology, including early studies on pineapple diseases, followed by eucalyptus rust and wilt, bean anthracnose, and bacterial diseases. His extensive work in the Brazilian Cerrado, where he is still very active, has led to description of 109 new fungal species, 20 new genera of mostly plant-parasitic fungi, including two new genera of rust fungi, and the assembly of an

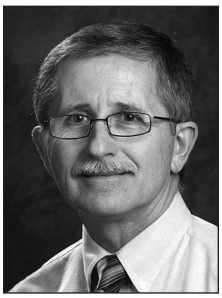
Dianese continued

important mycological herbarium. Dianese also is recognized for his service to administration, particularly as director of the Institute of Biological Sciences (1972–1978), when he envisioned, created, and secured external funding for the two departments he founded: Ecology and Plant Pathology. Up to June 2012, 280 masters and doctoral students from all over Brazil and several African and Latin American countries graduated in plant pathology at UnB, 33 of them supervised by Dianese; among them are 16 university professors. He also served as a member, administrative director, and vice president or president of professional societies, committees, and editorial boards.

Frederick E. Gildow received his B.S. and M.S. degrees from Ohio University and his Ph.D. degree in plant pathology from Cornell University in 1980, mentored by William F. Rochow. Upon graduation, Gildow became an assistant professor of plant pathology at the University of California-Berkeley. In 1983, he moved to Penn State University, where he has been head of the Department of Plant Pathology and Environmental Microbiology since 2009. Gildow's ground-breaking studies on the circulative transmission of luteoviruses defined how luteoviruses move through their aphid vectors. Transmission interference studies provided some of the first evidence that virus receptor recognition regulated luteovirus transmission by aphids. Ultrastructural studies indicated that virus–cell interactions giving vector specificity take place at the accessory salivary gland and the aphid gut. Gildow was one of the first to document that luteoviruses affected aphid feeding efficiency and induced wing development in vectors under field conditions, thus influencing virus survival. Gildow is very proud of the many research projects that he has contributed to with his many close long-time colleagues, who are too numerous to mention here. More recently, Gildow was part of the interagency team that eradicated *Plum pox virus*, an invasive species threatening the stone fruit industry of Pennsylvania. Gildow has taught Microbe–Plant Interactions, an introductory course in plant pathology, since 1987, and has received department and college awards for teaching excellence. Former students are now researchers, teachers, and policy makers at universities throughout the United States and with the USDA-ARS and the Spanish National Research Council.



Mark L. Gleason received a Ph.D. degree in plant pathology from the University of Kentucky and has been a professor and extension plant pathologist at Iowa State University since 1985. He is an international leader in many areas of disease epidemiology and management, including the sooty blotch and flyspeck disease complex of apple, the integration of weather-based disease forecasting into disease-warning systems, and the development and dissemination of sustainable approaches to plant disease control. Gleason has garnered multiple awards for his extension accomplishments, which include first authorship of the highly regarded book *Diseases of Herbaceous Perennials* and leadership on a multidisciplinary collaboration to improve the success of Amish and Mennonite farmers with new crops. He has been a prolific course innovator and active promoter of student and scientific exchanges between the United States and Costa Rica. He has an extensive record of service with APS, including serving as a member of the APS Foundation Board and as a Feature editor and senior editor for *Plant Disease* for 14 years.



Douglas Jardine was born in Illinois but raised in Michigan. He received a B.S. degree and an M.S. degree in horticulture from Michigan State University. Following a stint with the Michigan Extension Service, he returned to campus and earned his Ph.D. degree in plant pathology in 1985. Following graduation, he accepted a position as an assistant professor with Kansas State University, rising to the rank of professor in 1999. Jardine has developed a nationally recognized extension program with an emphasis on row crops. Kansas producers recognize his ability to take technical information and, as one wrote, "He explains it in a way that I can understand it." Following the introduction of soybean rust to the United States, he chaired the steering committee that developed the Plant Management Network's Soybean Rust Resource Center website, which provided a one-stop location for information on soybean rust. He has made more than 1,000 extension presentations and has published more than 160 refereed publications, technical reports, and extension bulletins. Jardine's research has centered on seedling pathogens and the evaluation and use of seed treatments on row crops. Based on the results of his research, the sorghum industry began to routinely use metalaxyl on all commercial seed beginning in the early 1990s. Jardine's most significant contributions to plant pathology may have come in his service to APS. He has served on APS Council of four different occasions, including as North Central Division counselor, secretary, director of OPRO, and until the reorganization of APS Council, editor-in-chief of *Phytopathology News*.

Robert R. Martin earned his B.S. degree in forestry and his Ph.D. degree in plant pathology from the University of Wisconsin-Madison. He was a post-doctoral research associate at the USDA-ARS Horticultural Crops Research Unit (HCRU) in Corvallis, Oregon. Martin was hired as a plant pathologist with Agriculture Canada, where he worked for 13 years. In 1995, Martin returned to HCRU, where he took the position of his mentor Dick Converse, who had retired. He also holds courtesy appointments as professor in the Department of Botany and Plant Pathology and the Molecular and Cellular Biology Program at Oregon State University. Martin is recognized as a world authority in the characterization, epidemiology, and management

of berry viruses. He has developed numerous innovative methods that have help in the characterization of recalcitrant viruses of berries and other crops. His efforts have resulted in the elucidation of the etiology of complex diseases and have helped save growers millions of dollars. Martin's research achievements are documented in more than 170 peer-reviewed manuscripts, 35 book chapters, and numerous other publications. He has trained numerous students, post-doctoral researchers, and visiting scientists and has a strong record of professional service, including serving as a senior editor for APS PRESS and *Journal of Plant Pathology*.

Mark Mazzola earned his B.S. degree in forestry in 1982 and M.S. degree in forest pathology in 1985 from the University of Vermont and his Ph.D. degree in plant pathology from Washington State University (WSU) in 1990. In 2000, he was hired as a USDA-ARS research plant pathologist and adjunct faculty at WSU. Mazzola's research program has focused on the function of microbial ecology in both the cause and control of soilborne diseases in tree fruit production systems. He is a world authority on tree fruit replant diseases and the development of nonfumigant, ecologically sustainable measures for their control. He is recognized for his contributions in resolving the etiology of apple replant disease and for pioneering multiple means for control of this disease that reduce dependence on soil fumigants, such as methyl bromide. Mazzola and associates conducted studies that documented, for the first time, the existence of a sensing-signaling mechanism in bacteria–protozoa interactions that results in activation of an antipredator response in prey populations. Mazzola's research achievements have been documented in 71 authored or coauthored peer-reviewed research articles and 12 book chapters, including three contributions to the *Annual Review of Phytopathology*.

Allison Huebner Tally, renowned for her leadership roles in APS and recognized as a dedicated APS volunteer, has focused her career on both professional and public service. Her contributions include APS councilor-at-large; senior editor of APS PRESS; and member of the APS Placement Committee, Youth Program Committee, Office of Public Affairs and Education, Advisory Council of Plant Health Management, APS Foundation Board, Ad Hoc Committee of Profession of Plant Pathology, and APS Centennial Planning Committee. Tally also served as president of the APS Southern Division in 1991 and as president of the Plant Pathology Society of North Carolina in 2002. Additionally, she was the recipient of the APS Excellence in Industry Award in 2002. As an applied plant pathologist within industry, Tally has been a strong advocate for best management practices, providing recommendations on product stewardship, resistance management, and product development. Her contributions to this industry have benefited countless people and organizations.

APS Distinguished Service Award

This award honors APS members who have provided sustained, outstanding leadership to the society while also furthering the science of plant pathology.

Steven C. Nelson was born in Worthington, Minnesota and grew up in St. Paul. He began to work for The American Phytopathological Society (APS) part time in 1968 while an undergraduate at Hamline University in St. Paul. He earned M.A. and M.F.A. degrees from Northern Illinois University. He began full-time employment with APS in 1973 and continued his studies in business administration. He joined the Publications Department and was promoted to publications manager two years later where he helped develop the compendium book series and establish APS PRESS. Nelson was part of the team that created the journals *Plant Disease* and *Molecular Plant-Microbe Interactions* and established the Plant Management Network. As Headquarters continued to grow to more than 60 employees, Nelson held several key positions including marketing manager, director of meetings, and general manager. Nelson became executive vice president of APS and Scientific Societies in 1991, serving in that position until retirement in 2013. He challenged the APS leaders to think strategically and constantly adapt to new thinking and organizational structures. Steve Nelson worked closely with many members, students, committee chairs, authors, and officers, to advance APS. He promoted a strong partnership and trust between volunteers and staff and fostered creative thinking with a get-it-done attitude that helped build member value and financial health for APS. A member of the Council of Engineering and Scientific Society Executives, Nelson served in many positions, including president in 2006–2007. He is also a certified meeting professional and helped establish this program in the meeting industry.

APS 2012–2013 Division Awardees

The following individuals were recognized throughout the past year at APS Division meetings for their contributions to the science of plant pathology, as well as to APS and in particular to their division.

Caribbean Division

2013 Annual Meeting Symposium

Plant Pathologists of the Future: Showcasing the Top Graduate Students
Margarita Marroquin-Guzman, University of Nebraska

North Central Division
June 2012

Distinguished Service Award
Anne Dorrance, The Ohio State University

Early Career Award
Alison Robertson, Iowa State University

Student Oral Competition Awards
First Place
Cory Outwater, Michigan State University

Second Place (tie)
Godwill Chewachon, The Ohio State University
Ellie Walch, The Ohio State University

Third Place
Ryan McNally, Michigan State University

Student Poster Awards
First Place
Craig Langemeier, University of Nebraska

Travel Awards
Keshav Birla, North Dakota State University
Anna Conrad, The Ohio State University
Carolina Escobar, Michigan State University
Jessica Frohning, University of Illinois
Lenny Galvez, University of Nebraska
Yuba Kandel, South Dakota State University
Craig Langmeier, University of Nebraska
Ryan McNally, Michigan State University
Afsana Noor, North Dakota State University
Salome Obura, Iowa State University
Cory Outwater, Michigan State University
Martha Patricia Romero Luna, Purdue University
Zach Sexton, Purdue University
Patrick Sherwood, The Ohio State University
Rui Wang, North Dakota State University

2013 Annual Meeting Symposium

Plant Pathologists of the Future: Showcasing the Top Graduate Students
Cory Outwater, Michigan State University

Northeastern Division

2013 Annual Meeting Symposium

Plant Pathologists of the Future: Showcasing the Top Graduate Students
Anna Testen, The Pennsylvania State University

Pacific Division
June 2012

Distinguished Service Award
Walter D. Gubler, University of California - Davis

Graduate Student Oral Presentation Competition
First Place (tie)
Brittany Pierce, University of California - Davis
Cassandra Swett, University of California - Davis

Second Place
Kaitlyn Bissonnette, University of Idaho

Third Place
Matthew Pye, University of California - Davis

Student Travel Awards
Nomatter Chingandu, Washington State University
Ruben Garcia de la Cruz, University of Idaho

2013 Annual Meeting Symposium

Plant Pathologists of the Future: Showcasing the Top Graduate Students
Cassandra Swett and Brittany Pierce, University of California – Davis

Potomac Division
April 2013

Distinguished Service Award
David G. Schmale, III, VPI SU

Graduate Student Research Awards
First Place
Megan McConnell, University of Maryland

Second Place
Lisa Beirn, Rutgers University

Undergraduate Student Poster Award
Kasia Dinkeloo, University of Delaware
Jordan Harris, University of Maryland

Student Travel Awards
Taylor Frazier, Virginia Tech
Catalina Salgado-Salazar, University of Maryland

2013 Annual Meeting Symposium

Plant Pathologists of the Future: Showcasing the Top Graduate Students
Megan McConnell, University of Maryland

Southern Division
February 2013

Outstanding Plant Pathologist Award
Donald M. Ferrin, posthumous, Louisiana State University

Donald M. Ferrin Memorial Service Award
Donald M. Ferrin, posthumous, Louisiana State University

Graduate Student Paper Competition
First Place
Rebecca Melanson, Louisiana State University

Second Place
Philip Vines, Mississippi State University

Third Place
Abraham Fulmer, University of Georgia

Honorable Mention
Terry Spurlock, University of Arkansas
Andrew Lloyd, North Carolina State University

Travel Awards
Suzette Arcibal, University of Georgia
Thomas Ingram, University of Georgia
David Laughlin, Texas A&M University
Rodrigo Olarte, North Carolina State University
Imana Power, University of Georgia

2013 Annual Meeting Symposium

Plant Pathologists of the Future: Showcasing the Top Graduate Students
Rebecca Melanson, Louisiana State University