



NAPPC DIRECTORY

Conference Participant List; Participant Biographies

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The following information was provided by participants. Some biographies were edited to reduce length. We thank those who gave this information and offer apologies in advance for any errors.

Laurie Davies Adams is the Executive Director of the Pollinator Partnership (P2) and has over thirty years experience in management and communications. She began her career at the Public Broadcasting Service, continued in independent film and television, and has received numerous awards, including a Gold Medal at the New York International Film and Television Festival. Adams was a Director of the Fortune 500 Shaklee Corporation, has created permanent exhibits in Vancouver, San Francisco, and New York City and produced for Wells Fargo Bank, AT&T, and the Army Corps of Engineers. As Executive Director of the Pollinator Partnership, she has overseen the initial organization and the development of the North American Pollinator Protection Campaign (NAPPC), the 130 +member collaboration of stakeholders from Mexico, Canada, and the US that work for a variety of fields including science, the environment, agriculture, and private industry. NAPPC's successes under Ms. Adams include the National Academy of Sciences NRC Study on the Status of the Pollinators of North America, the US Postal Service's "Pollination" stamp series, and the US Senate and USDA proclamations creating Pollinator Week. Please visit www.pollinator.org for more information.

Maria del Coro Arizmendi Arriaga PhD Ecology. Full time Profesor Universidad Nacional Autónoma de México, Facultad de Estudios Profesionales Iztacala, 1999-now. Teacher in 54 courses in UNAM and 10 outside UNAM in Mexico and other Universities. 52 papers published in journals with impact factor, 10 in non-indexed journals and 5 in national journals. Author of 7 books and 31 book chapters both national and internationally published. 98 papers presented in international congresses and 61 in national events. 57 students have obtained their degrees under my tuition in UNAM (34 Biology, 19 Masters and 4 PhD). Revisor of submitted papers in several national and international journals. President of CIPAMEX (1998-2002) and part of the National and tri-national Steering Committee of NABCI since its foundation in 1999. Part of PIF Scientific Committee. AOU council 2013 to 2015. Mexican Chair at the NAPPC from 2010 to date. Coordinator of the Graduate Program in Biology of UNAM (2011-to date).

Amber Barnes is a nature enthusiast who holds both a Bachelor and Master of Science in Biology, from the University of Akron. While her undergrad focused on Zoology, she has since broadened her interests through volunteer work and field positions. As a Field Botanist for the Cleveland Metroparks she contributed toward the long-term PCAP (Plant Community Assessment Program), which sparked an interest in vegetative research and the use of native plants in gardening and restoration projects. The following summer she was chosen to participate in the Chicago Botanic Garden's Conservation and Land Management Internship as a Wildlife Technician. While stationed in Cedar City, Utah, she worked with the local Bureau of Land Management field office on several wildlife projects including greater sage-grouse conservation work, raptor nest surveys, Utah prairie dog studies, as well as several rangeland and riparian ecosystem health assessments. She is excited to bring her plant and wildlife experience together for the Pollinator Partnership as she monitors plant-pollinator relationships through the Bee Buffer and Monarch Wings Across Ohio programs. In her spare time she enjoys hiking, photography, and volunteering.

Humberto Boncristiani is a molecular and cell biologist specialized in viruses. He has been working with honey bee viruses since 2008 when he arrived in the US to work at USDA-ARS in Beltsville. Now Dr. Boncristiani is located at the University of Maryland as an Associate Researcher continuing his research on the pathogenesis of honey viruses and detection methods.

Gene Brandi is Owner/operator of Gene Brandi Apiaries since 1978 and currently Vice-President of the American Beekeeping Federation. Previously, he was President of the California State Beekeepers Association, and has been a member CSBA Board of Directors since 1978. Also, Gene is a board member Project Apis-M, and past Chairman of the National Honey Board.

Mary Galea is the Pollinator Partnership's (P2) Plant Ecologist. Mary develops planting recommendations for pollinator habitat, conducts rare plant research and supports education and outreach efforts. Before joining P2 in 2010, Mary was the National Collections Curator for the native seed collection program, Seeds of Success, which was a 2011 recipient of the Secretary of the Interior's Partners in Conservation Award. She has also worked at the USDA-ARS at the U.S. National Arboretum in Washington, DC as the Plant Records Assistant, leading the plant inventory and mapping efforts at the Arboretum. In addition to working with seed and living collections, Mary has also worked with preserved specimens at the Herbarium of Kent State University. Mary has a Bachelor of Arts in Biology from Kent State University and a Masters of Natural Resources from the University of Idaho. Her professional service includes the American Public Gardens Association where she serves as the Plant Conservation Professional Section Chair, the North American Plant Collection Consortium's Southern California Recruiter/Mentor, and the NAPPC CEO Task Force Co-Chair. Mary is also the Founder and Director of Bioloque, a collections management and ecological consulting company.

Iris Caldwell is a Research Engineer at the Energy Resources Center (ERC) located at the University of Illinois at Chicago, where she primarily works to engage the agricultural, transportation, and utility sectors on special projects such as pollinator habitat development. Over the past year and a half, she has facilitated the Rights-of-Way as Habitat Working Group to promote habitat restoration along transportation and utility corridors. Prior to joining the ERC, Iris worked for more than eight years in environmental regulatory compliance, greenhouse gas accounting, carbon offset verification, low-carbon fuel standards, and other environmental and sustainability reporting. Iris holds a Bachelor of Science degree in Civil – Environmental Engineering from Iowa State University and is a licensed professional engineer in the State of Illinois.

Wendy Caldwell is the coordinator of the Monarch Joint Venture, a national conservation partnership working to conserve the monarch butterfly migration. In this position, she works with over 50 partner organizations across the U.S. to protect and restore habitat for monarchs and other pollinators. Wendy has been working with monarch monitoring, education, and conservation programs since 2007. She works with a wide variety of landscapes, engaging many different audiences ranging from youth and teachers to land managers to agency directors.

Evan Cole holds a Bachelor of Science in Environmental Studies, with a concentration in Earth Science, from the University of California at Santa Barbara. He is currently pursuing a Master of Science degree in Environmental Management, with a concentration in Ecology, at the University of San Francisco. Working at the Pollinator Partnership (P2), he believes that he can utilize his skills and knowledge to institute meaningful and lasting change, and to improve mankind's delicate relationship with the natural world.

Diana Cox-Foster, Ph.D., is a Professor of Entomology at Pennsylvania State University. Her research focuses on bees and their interactions with pathogens and stresses (parasites, lack of nutrition, and pesticide exposure). She is among the researchers working to unravel the causes of abnormal colony losses. Her research has revealed new information on the transmission routes of viruses and the impacts of stress on the infections. Dr. Cox-Foster is determining if any of the factors affecting honey bees are impacting native pollinators, keystone species essential for food security and environmental health. Diana Cox-Foster received her Bachelors of Science at Colorado State University, her Master of Science and Doctorate of Philosophy from the University of Illinois at Urbana-Champaign, and a post-doctorate at Vanderbilt University. At Penn State, Dr. Cox-Foster participates in the Huck Institute for Life Science, Center for Pollinator Research, and Center for Infectious Disease Dynamics.

Debbie Dekleva is a results oriented entrepreneur who has a successful track record of protecting biodiverse monarch habitat while creating value from milkweed raw materials. Ms. Dekleva has worked for Natural Fibers/Monarch Flyway, the oldest milkweed company in the world, for over 25 years, she has witnessed the benefits to communities and habitats as she implemented a conservation system that benefits underserved communities. Ms. Dekleva pioneered the sales and marketing of the first value-added milkweed product, Hypodown®, a combination of milkweed fluff and goose down, which is still sold today in high-end specialty bedding markets. Dekleva has helped launch successful businesses and has had the foresight to curtail various unsuccessful attempts at poorly conceived milkweed products. As uses are discovered, and milkweed is more readily accepted as a viable material, Dekleva wants to ensure that milkweed used in commercial products help monarchs and other pollinators, rather than hurt them. She enjoys collaboration with diverse people to benefit multiple stakeholders while protecting and expanding monarch habitat. Ms. Dekleva has worked with Fortune

500 companies, USDA scientists, North Carolina State University, companies in Canada, Mexico, Hungary, Italy, Japan, China, and Germany, and the University of Nebraska research departments to meet product specs and evaluate barriers to market of milkweed raw materials. Ms. Dekleva is passionate about protecting pollinators and the overwintering sites that are important to the monarch migration. Ms. Dekleva uses her experience to compel educators, businesses, landowners, government, and the public at large to protect habitat across the migratory path of monarchs.

Jane DeMarchi joined ASTA from the National Association of Wheat Growers (NAWG), where she was Director of Government Affairs for Research and Technology, and involved with research-related policy issues and industry-wide efforts to bring biotechnology to wheat. She coordinated the Wheat Innovation Alliance and served as secretariat for the National Wheat Improvement Committee. Prior to NAWG, Jane was Director of Government Affairs for the North American Millers' Association (NAMA), responsible for advocating on behalf of the corn, wheat, and oat milling industry. Before NAMA, she worked in economic development and trade promotion for the Ohio Department of Development and the U.S. Department of Commerce in Ohio, Hong Kong and Shanghai. Jane received her Bachelor's degree in Asian studies from Dartmouth College.

Jenn Duerr has worked in non-profit outreach and development for over 25 years, including as a fundraiser for Clean Water Action, Citizen Action, Human Rights Campaign Fund, The San Francisco Symphony, Greenpeace, and most recently for the The Save Our Monarchs Foundation. Ms Duerr has played an integral role in the creation and development of two different non-profit arts organizations: Arena Interplay in San Francisco, and DADA (The Durham Association for Downtown Arts) in North Carolina, which played a vital role in the regeneration of the Durham downtown area. She is Spanish bilingual and has worked with Hacienda La Cruz (Forests for Monarchs) reforestation efforts in Michoacan, Mexico and organized eco-tours to the Monarch Butterfly Biosphere Reserve in Mexico. Currently, she is the outreach and volunteer coordinator for the Save Our Monarchs Foundation, and also serves on the planning committee for the Nebraska Monarch and Pollinator Initiative, a statewide conservation plan.

Jay Evans is Research Leader of the USDA-ARS Bee Research Laboratory in Beltsville, Maryland. The BRL uses laboratory and field approaches to identify and mitigate abiotic and biotic stresses faced by honey bees. Dr. Evans' research is focused on managing disease in honey bees and improving our understanding of bee defenses. Prior to joining the BRL in 1998 he studied social insects while earning A.B and PhD degrees at Princeton University and the University of Utah, respectively.

Kim Fellows has been working part-time since September 2011 at Seeds of Diversity Canada, as the Pollination Outreach Co-ordinator for Pollination Canada. Kim's related background includes a BScH and MSc in Biology from Queen's University, and three years working at Harrow Research Station, Agriculture and Agri-Food Canada.

Rob Fiegenger is Director of the Native Seed Network at the Institute for Applied Ecology, based in Corvallis, Oregon. He is interested in the development and use of native plant materials in natural areas as well as managed landscapes such as agricultural and urban environments. He organizes the National Native Seed Conference, the next meeting of which will be February 2017 in Washington, D.C.

Chiara Galassetti is an undergraduate student majoring in Environmental Science and working in the Urban Bee Lab at UC Berkeley. She is currently compiling data for her senior thesis on the optimization of man-made nesting blocks on farms around the Bay Area.

Randall Gilbert has a BA from Nebraska Wesleyan University and a long history of conservation activity. He has worked for many years as an activist and citizen scientist, helping with reforestation projects and undertaking habitat restorations. An avid outdoorsman and naturalist with a vocational background in corporate project management and consulting, Mr Gilbert has been organizing the Foundation's 'Corridors for Pollinators' project since 2015, providing pollinator habitat restoration services and plantings at various sites for utilities property owners and right-of-way holders in the Monarch flyway.

Christina Grozinger is a Distinguished Professor in Entomology and the Director for the Center for Pollinator Research at Penn State. Grozinger's research program consists of two main areas of study, which examine the mechanisms underlying social behavior and health in honey bees and related species. Grozinger's studies on

social behavior seek to elucidate the proximate and ultimate mechanisms that regulate behavioral variation and plasticity in insect societies, in particular focusing on complex chemical communication systems. Grozinger's studies on honey bee and bumble bee health examine how biotic and abiotic stressors impact the individual at the molecular, physiological and behavioral level, how these individual effects lead to colony-level changes, and how responses to these stressors can be modulated by social and environmental contexts. Grozinger and her team use a highly trans-disciplinary approach encompassing genomics, epigenetics, physiology, neurobiology, behavior, and chemical ecology.

Howard Ginsberg is a Research Ecologist with the U.S. Geological Survey at Patuxent Wildlife Research Center. He is Unit Leader of Patuxent's Rhode Island Field Station, and Professor in Residence at the University of Rhode Island. He received his Ph.D. in entomology from Cornell University in 1979. Dr. Ginsberg has published widely on the ecology of vector-borne diseases, especially tick-transmitted infections such as Lyme disease, and on mosquito ecology. His emphases are on transmission dynamics and factors that influence human exposure to vector public health while minimizing negative effects on sensitive natural systems. He is also interested in conservation of invertebrates and bee foraging ecology, especially the interactions between native and introduced species. Dr. Ginsberg received the Director's Award for Natural Resource Research, 1999, from the U.S. National Park Service.

Megan Haidet is the National Collection Curator for Seeds of Success, the national native seed collection and banking program led by the Bureau of Land Management. She manages seed collection program; teaches seed collection courses, provides guidance on the SOS Technical Protocol; supports native seed collection teams on a day-to-day basis; manages and analyzes collections data; and works with Bureau of Land Management botanists to prioritize collections.

Becky Hassebroek is the Million Pollinator Garden Challenge liaison and Habitat Chairman for National Garden Clubs, Inc., the largest volunteer gardening organization in the world. The 200,000 members are planting and extending pollinator gardens all across the country.

Carol Heiser is the Education Program Section Manager and the Habitat Education Coordinator for the Virginia Department of Game and Inland Fisheries (DGIF), where she has worked since 1993. She provides train-the-trainer workshops to Master Naturalists and Master Gardeners and oversees approximately 200 Habitat Facilitator volunteers. Her program area includes Schoolyard Habitat, Corporate Habitat, and Habitat at Home® outreach. Carol also serves on the State Steering Committee of the Virginia Master Naturalist Program; she's a Co-Chair of the Virginia Native Plant Marketing Partnership Steering Committee; and she represents DGIF on the Chesapeake Conservation Landscaping Council, where she is currently assisting as a Technical Advisor to help implement a new Chesapeake Bay Landscape Professional Certification Program.

Harmen Hendriksma is a honey bee researcher with a focus on colony disease and nutrition. His PhD research included environmental risk assessment of transgenic pollen on honey bees. As postdoctoral fellow he studied how colonies balance their nutritional intake. The essential amino acids and fatty acids in pollen, and the preference and need for an optimal balance between protein and carbohydrate for colonies are to his key interest. Currently, Harmen works on the honey bee gut parasite *Nosema*, and the interaction with plant products which suppress infection. This NAPPC supported research may show how bee nutrition (pollen and nectar) allow colonies to self-medicate diseases.

Chris Hiatt is co-owner of Hiatt Honey, a family owned beekeeping business that was started by his father 48 years ago. They traditionally are in the top 5 honey producers in the country, with 6 brothers and over 20 employees pollinating crops in California and Washington and producing honey in North and South Dakota in the summers. Chris is on the executive board of the American Honey Producers Association. AHPA represents over 60% of the managed beehives in the country. He lives in Madera, CA during the winter and spring and Bowman, ND in summer and fall.

Lisa Horth is currently an Associate Professor of Biology at Old Dominion University where she teaches Conservation Biology and Population Genetics. She has a PhD in Ecological Genetics from the Florida State University and a MS in Sustainable Development and Conservation Biology from the University of Maryland, College Park. She and her students are currently working on several pollinator projects. These include 1) adding native bees to farms to improve berry production, 2) assessing urban bee species diversity in

understudied communities, 3) evaluating disease transmission between bee species on farms and in urban spaces, and 4) evaluating the role of ultraviolet floral patterns in crops on pollinator recruitment and visitation.

David Inouye is a Professor in the Department of Biology at the University of Maryland, College Park, where he teaches classes in ecology and conservation biology. He does research each summer at the Rocky Mountain Biological Laboratory in Colorado where the National Science Foundation funds his long-term work on the phenology, pollination, and demography of wildflowers. The data he has collected there since 1973 are providing insight into the effects of global and regional climate change, particularly on the phenology and abundance of flowering. David is on the Steering Committee of the North American Pollinator Protection Campaign, on the Board of Directors of the National Phenology Network, and the Scientific Advisory Board of the Endangered Species Coalition.

Christopher Jadallah is a fourth-year undergraduate student pursuing a B.S. in Conservation in Resource Studies at the University of California, Berkeley. He has worked as a research assistant with Dr. Gordon Frankie studying bee-plant relationships in urban, wildland, and agricultural landscapes throughout California with the UC Urban Bee Lab.

Gary Krupnick is the head of the Plant Conservation Unit in the Department of Botany, National Museum of Natural History at the Smithsonian Institution in Washington, D.C. His research examines how data from herbarium specimens can be used in assessing the global conservation status of plant species. He has conducted assessments of the flora of Hawaii and the flora of the West Indies. With the American Society of Botanical Artists, he co-curated the traveling exhibition, "Losing Paradise? Endangered Plants Here and Around the World," a convergence of art, science, conservation, and education. He received his Ph.D. from the University of California Irvine, with a thesis examining the link between the effects of insect herbivory and pollination on plant reproductive fitness. He is the co-editor of the book *Plant Conservation: A Natural History Approach* (University of Chicago Press; 2005), and the editor of two newsletters—the Biological Conservation Newsletter and The Plant Press.

Lindsay Kwong's interest in plants and nature stemmed from gardening weekly with her mom at a young age. She expanded her interest to pollinators while assisting Dr. Vicki Wojcik on her dissertation on how habitat is used by bees in urban landscapes and what factors make a particular site more attractive to local bees. In addition, Lindsay has also worked as a Program Assistant at the Chinatown Public Health Center, Nutrition Services, for the Network for a Healthy California—Chinese Project, which strives to empower the low-income Chinese community in San Francisco to improve their nutritional and physical well-being. Through working at both organizations, Lindsay has had the opportunity to connect food production systems (P2) with public education on proper nutrition, drawing healthy environments and healthy living together. She has a Bachelor of Arts in Molecular & Cell Biology with an emphasis in Cell & Developmental Biology: Physiology from the University of California, Berkeley. In her spare time, she loves to cook, bake, garden, and spend time with her dog and rabbit.

Hongmei Li-Byarlay was born in a farmer's family and grew up in the countryside. She likes insects since she was a little girl. She came to Purdue University in Indiana for her graduate school and majored in Entomology. After obtaining her doctoral degree specialized in insect genetics, she started to study honeybee behavior and genetics at the University of Illinois at Urbana-Champaign. Since 2010, she has led ground breaking projects on brain genes determining aggression behavior, functional studies of honey bee genome and epigenome, and stress-related physiology in different environmental settings. Currently she is holding a National Research Council Senior Research Associateship working with Drs. Olav Rueppell at UNC-Greensboro and David Tarpay at NC State University. Ongoing research topics include viral pathogenic stress in brood development, oxidative stress, and longevity of honey bees. She has published 26 peer-reviewed scientific papers and one book chapter. Her publications were cited 626 times so far. She was awarded travel grants by the Entomological Society of America, research grants by the American Association of University Women, and Army Research Office. She has given talks to many beekeepers and public in Central Illinois and North Carolina and helped public and K-12 kids to know more about bees through school museum talks

Becky Longenecker is the northeast regional pollinator coordinator for the U.S. Fish and Wildlife Service. She facilitates a regional team, comprised of various USFWS programs, that is focused on implementing pollinator

conservation. Some of the work accomplished by this team includes habitat restoration work on public and private land, pollinator inventory and monitoring, and public education and outreach. Becky began work as a Wildlife Biologist for USFWS after receiving her Ph.D. in Wildlife Ecology from the University of Delaware in 2015.

Dave Moskowitz has a PhD in Entomology from Rutgers University. He has also been an environmental consultant with EcolSciences, Inc. in the northeast for 33 years. Dr. Moskowitz co-founded National Moth Week, the global Citizen Science project, focusing attention on moths. He also created the Facebook group, Bug Addiction – Confessions of a Bug Addict and is the Administrator of the Rutgers University Department of Entomology Facebook page. He is also an amateur beekeeper, has published widely on insects and other natural history aspects and his insect photography has graced the cover of American Entomologist magazine three times.

Heather Moylett is a biological science technician with USDA APHIS PPQ Science and Technology. One of her responsibilities is to provide scientific support to Science and Technology on pollinator issues, especially as it relates to agriculture. Heather is a subject matter expert with regulatory experience and expertise in pollinator biology and ecology. Prior to working with APHIS, Heather studied the impacts of land management on wild, native bee communities in the Sandhills of North Carolina and also worked as the scientific assistant to Dr. Jerome Rozen at the American Museum of Natural History at New York. She is currently interested in how agricultural landscapes can be managed to shift pollination reliance from honey bees to local, wild pollinators.

Matthew Mulica is a policy facilitator with Keystone Policy Center, providing mediation, facilitation and project management services within Keystone's environment, health, and energy practice areas. Matthew works with diverse public, private and NGO stakeholder groups and has designed and facilitated stakeholder dialogues, public engagement processes, and strategic planning processes. He is the facilitator of the Honey Bee Health Coalition. Matthew holds a master's degree in Conflict Resolution from Portland State University and bachelor's degrees in marketing and management from the University of Montana.

Lisa Nichols is Manager, Registrations in the Regulatory Department of Loveland Products, Inc (LPI) in Loveland, CO. She is responsible for crop protection product management at the federal level, as well as for regulatory compliance of seed licensed and sold by LPI, including Crop Production Services (CPS) seed brand Dyna-Gro. Prior to working for LPI, Lisa spent nearly a decade working in Washington, D.C. for CropLife America, the U.S. Grains Council and the American Seed Trade Association. Ms. Nichols currently serves as the Lead for the Colorado Chapter of the Women's Inclusion Network (WIN), an initiative that provides mentoring, learning and networking programs that empower women to grow their careers within Agrium, Inc. She is also a part of Class 12 in the Colorado Agricultural Leadership Program (CALP), a 2 year program focused on developing leaders committed to the future of Colorado's agricultural and rural communities. Nichols earned her Masters of Science at American University in Washington, DC in Environmental Science and Assessment. She also has a Bachelor of Science in Ecology from Lehigh University in Bethlehem, PA.

Thalia Pappas current assignment is as a consultant for the Delaware Department of Agriculture, to help achieve the goals for Delaware's Pollinator Protection Plan. She worked for DuPont Agricultural Products, in research and discovery roles (environmental fate of pesticides, and rice global herbicide discovery program leader), followed by an assignment as a global regulatory manager leading registration teams and negotiations with regulators to retain permission to sell commercial Ag. Chem. Products. In her last assignment she worked in the Industrial BioSciences business as a regulatory manager to develop and execute compliance strategies for bio-based chemicals and polymers. Thalia received a Ph.D. from Purdue University in Plant Physiology, a M.S. in Horticulture from University of Arkansas, and a B.S. in Plant Science from the University of Delaware.

Dan Price founded the Sweet Virginia Foundation a non-profit 501(c)3 conservation and education organization dedicated to teaching and inspiring children to appreciate and care about honey bees.

John Purdy is an environmental research scientist who has completed more than 100 major field and laboratory research projects to meet Good Laboratory Practice Standards and 18 published papers and book sections over the past 38 years. His work includes ground-breaking research on the analytical chemistry, environmental behavior and modelling of pesticides, ecotoxicology and effects of pesticides on bees. After retiring from industry in 2008, John remained active as an independent scientist operating as Abacus

Consulting Services Limited. John joined the Canpolin pollinator research group led by Dr. Peter Kevan at the University of Guelph from 2008 to 2014. He is an elected member of the Board of Advisors of the Canadian Ecotoxicology Workshop (CEW). John is an active member of ACS, CIC, ICPPR, NAPPC and SETAC and has been a beekeeper for over 16 years.

Thelma Redick is the Sr. Director of Content & Partnerships for the Wildlife Habitat Council, Ms. Redick brings more than 25 years of experience in conservation education and community engagement to her work in 'sharing the success stories of corporate conservation' through workshops, on-line learning, conferences, white papers and other publications. She is responsible for tracking and coordinating productive partnerships with NGO's, educational institutions and government.

Kelly Rourke is Program Coordinator for the Pollinator Partnership (P2). Kelly holds a degree in Environmental Studies and a minor in Anthropology from the University of California at Santa Cruz. Her background in ecology, conservation, and culture has propelled her career in the non-profit sector. Prior to P2, Kelly worked at another bay area-based environmental non-profit called Conservacion Patagonica (CP). CP's mission is to establish national parks in Chile and Argentina where there is not only fragile ecosystems, but also, complex cultural and societal struggles. Kelly is currently working towards a Master's of Science in Environmental Management at the University of San Francisco.

Dolores Savignano is the U.S. Fish and Wildlife Service (USFWS) National Pollinator Conservation Coordinator, and liaison to the North American Pollinator Protection Campaign. She chairs the USFWS Pollinator Work Group, which works to raise awareness of and support for the value, conservation, protection, and enhancement of native pollinators and their habitats. The Service has a wide range of pollinator projects throughout the country and internationally (learn more at: www.fws.gov/pollinators). Dolores is also the Conservation Education Team Lead and Climate Coordinator for the Fish and Aquatic Conservation Program. Dolores received a B.S. in Biology from Yale University, and a Ph.D. in Zoology from Univ. of Texas at Austin for her research on the facultative mutualism between Karner blue butterfly larvae and attendant ants. She also conducted status surveys on the now endangered Karner blue butterfly and assisted in the preparation of an Element Stewardship Abstract on the Karner blue butterfly for The Nature Conservancy.

Rod Scarlett Prior to joining the Canadian Honey Council as the Executive Director in January of 2011, Rod Scarlett was the Executive Director of Wild Rose Agricultural Producers, Alberta's general farm organization, for fourteen years and concurrently, the General Manager of the Canadian Young Farmers Forum for six years. He was chosen as one of the 50 most influential Albertans in 2003 by Alberta Venture Magazine. Prior to his administrative work in the agricultural field he owned a small farming operation running feeder cattle and hay. He also managed a farrow to finish hog operation. After obtaining his MA in Canadian Studies from Carleton University, Rod worked for eight years with the Government of Alberta where he was Executive Assistant to three different Cabinet Ministers. He has served on the executive of the Canadian Agricultural Safety Association and currently sits on the Board of the Canadian Agricultural Human Resource Council. He is also currently co-chair of the Canadian Bee Health Roundtable.

Elizabeth Sellers (B.Sc. Honors – Botany & Geomorphology) has served the U.S. Geological Survey (USGS) as a Technical Information Specialist (Biology) for 11 years. She currently serves under the USGS Core Science Analytics, Synthesis and Libraries Program (http://www.usgs.gov/core_science_systems/csas/) acquiring and processing species occurrence data for the Biodiversity Information Serving Our Nation (BISON – <http://bison.usgs.ornl.gov>) species mapping application and US Node of the Global Biodiversity Information Facility (GBIF); working with Dr. John Ascher (AMNH) to update the bee taxonomic data and 2009 World Bees Checklist in the Integrated Taxonomic Information System (ITIS – www.itis.gov); and participates in the newly formed USGS Pollinator Research Community of Practice. She is also a co-author of the draft FWS National Bee Monitoring Protocol with Sam Droege (USGS), Joseph Engler (FWS), and Lee O'Brien (FWS).

James Sherman is a graduate of UC Berkeley in evolutionary biology, Jamie has been an energy project financier, C-level finance and operations manager, and water resource executive. He has also served on the boards of private and not for profit organizations, the later in chairman and development roles. In addition to natural history, Jamie enjoys fishing, ranching, sailing and woodworking. A fifth generation San Franciscan, he has lived and worked in Chicago, London, Sydney, and Los Angeles during his career. Jamie is married to his high school sweetheart, and is the father of three children, and a faithful Labrador.

Steve Shestag is the director of Enterprise Remediation for The Boeing Company. He is responsible for shaping an integrated strategy for completion of environmental remediation activities, as well as leading environmental due diligence activities to support the company's mergers, acquisitions and property transactions. Shestag has over 30 years of experience in environmental permitting, geotechnical studies, remedial investigation, contaminant treatment, engineering design, stormwater management, sustainable remediation, water supply studies and program management. His expertise includes working with diverse groups of stakeholders to find practical and timely solutions that improve the environment and reduce risks. Shestag has also led the visioning, design and creation of a variety of restoration projects, including riparian habitat in the Arroyo Seco watershed, nearly 500 acres of native habitat near Reno, NV and pollinator habitat outside Kansas City, KS. Prior to joining Boeing in 1996, he was an engineering geologist for two major environmental engineering firms. Shestag earned a bachelor's degree in geochemistry from San Diego State University. He is registered as a professional geologist and a certified engineering geologist in California. Shestag serves on the Board of Directors for the LA Conservation Corps, which provides job skills training and education for inner-city youth and young adults. He resides in Ventura, California where he enjoys participating in beach cleanups and habitat restoration events. In his spare time, he enjoys cycling, mountain biking, general aviation, fly-fishing and hiking with his wife, Carol.

John Skinner is Professor and Extension Apiculture Specialist at the University of Tennessee where he has worked on research, teaching and extension for 26 years. Research included mite pest management, pesticides movement in soil and from seed treatments, pollination ecology of native and crop species, plantings for pollinators, and developing web based information about bees and beekeeping. He trains extension agents to work with local bee associations throughout Tennessee. He coordinates a Master Beekeeper Program, leads the Bee Health eXtension site and is part of the BIP and NAPPC to reduce colony losses. He enjoys reading, hiking, fly fishing and tying, singing and foraging.

Jonathan Snow Assistant Professor of Biology at Barnard College, has been working on the cellular and molecular causes of organismal disease since 1998. Dr. Snow received his Ph.D. in Biomedical Sciences from the University of California, San Francisco, and completed a postdoctoral fellowship at Children's Hospital Boston and Harvard Medical School. His graduate and postgraduate work focused on signal transduction, regulation of gene expression, and organismal stress responses in blood development of mammals. He subsequently became fascinated with the honey bee and changed his research focus to the study of these same biological processes in the honey bee, especially in light of the epidemic of colony collapse. After beginning this research while a visiting faculty member at Williams College in 2010-2012, he joined the Biology Department at Barnard College in 2012. He continues his avocation as a bee-keeper while teaching and maintaining an active research laboratory.

James Strange is a Research Entomologist for the USDA-ARS at the Pollinating Insect- Biology, Management and Systematics Research Unit in Logan, UT. His work focuses on bumble bee genetics, pathology and commercial production. He is currently leading a nationwide bumble bee pathogen survey to understand the distribution and prevalence of potential bumble bee pathogen in the United States.

Lawrence Stritch received his B.S. in Biology at Illinois Benedictine College and both his M.S. in Biological Sciences and Ph.D. in Botany at Southern Illinois University – Carbondale. From 1985 to 1989 he worked as a Natural Heritage Biologist for the Illinois Department of Conservation. From 1989 to 1992 he worked as the Forest Botanist/Ecologist for the Shawnee National Forest and from 1992 to 1995 served as the Regional Botanist for the Eastern Region of the U.S. Forest Service and 1995 to 1998 served as the Midewin Project Director for the conversion of the Joliet Army Ammunition Plant to the Midewin National Tallgrass Prairie. In 1998 Larry came to the Washington Office where he serves as the National Botanist for the U.S. Forest Service. Larry has served as an adjunct professor at several universities and as a research associate at Field Museum, Chicago, Illinois.

Barry Thompson is a long-term "sideline" beekeeper, Dr. Thompson manages pollination services for "pick your own" orchards and for individuals who wish to support efforts to promote the health of honey bees and native bees by having colonies on their properties. Dr. Thompson has participated in honey bee research at DARPA, USDA, and as part of the Sustainable Honey Bee Project in VA. He has served, for several years, as a co-chair of the Pesticide Education Task Force for NAPPC.

Tom Van Arsdall With three decades of experience in the national policy arena, Tom Van Arsdall is widely known and highly respected for his expertise and demonstrated track record on environmental, energy, bioenergy, ag research and conservation issues affecting U.S. agriculture, agribusiness and agriculture's "downstream neighbors." Tom currently serves as the Public Policy Representative for the Pollinator Partnership (P2) and the North American Pollinator Protection Campaign (NAPPC), managed by P2. He is particularly well known for helping diverse stakeholders work together toward consensus-based actions. He has a thorough understanding of the legislative and regulatory process and how to get results. Other current clients include the National Coalition for Food and Agricultural Research [Executive Director]; NCRA, a farmer-owned cooperative petroleum refinery; the Pesticide Policy Coalition; and biodiesel and biobased education and outreach for the United Soybean Board and the National Biodiesel Board. Tom received his MA in economic geography from the University of Illinois. Tom is an active outdoorsman, conservationist and river rat. Currently a houseboat is his home and office on the Chesapeake Bay.

Dilip Venugopal is a current AAAS S&T policy fellow hosted by U.S. EPA with training and background in applied ecology, integrated pest management, and geostatistics. He holds a bachelor's degree in zoology from University of Madras, masters in ecology from Pondicherry University in India, and Ph.D. in entomology from University of Maryland, College Park. Dr. Venugopal is deeply committed to applying basic science and technological innovations, and developing science based policies for sustainable environment and environmental justice. His current work on environmental policy and research focuses on the energy, environment and agriculture nexus. He provides strategic, analytical and technical inputs to policies and programs for reducing vehicular emissions and improving health, and for environmental justice causes, under the aegis of National Clean Diesel Campaign. He also provides analytical and policy development support for Renewable Fuel Standards program - Life cycle analysis of Green House Gas emissions vis-à-vis crop extent and intensification; environmental impact of renewable fuels standards, and encouraging sustainable biofuel feedstock production practices. His research focus includes species-environment relationships, invasive species management, climate change and phenology, and agricultural biotechnology. He was lucky to spend 8 years in various Indian national parks and tiger reserves, camping or living with local tribal communities, implementing wildlife management and biodiversity conservation projects. More recently, through doctoral and postdoctoral research in field (corn, soybean) and specialty crop (ornamental trees, sweet corn, lima beans) systems, he developed strategies for insect and integrated pest management, and sustainable agriculture. He loves cooking and taking frequent short walks.

Diane Wilson is a plant ecologist and has been the director of research at Applewood Seed Company for 30 years. Her research includes the formulation of regional seed projects. Applewood works with a diverse customer base to promote pollinator conservation: seed companies that cater at the home garden market, commercial landscapers, golf courses, highway departments and other government agencies. Applewood also works with farmers and ranchers working on NRCS pollinator conservation projects. Dianne has her own government agencies for seed collection work.

Jeff Wilson holds doctorates in veterinary medicine, pathology, and epidemiology. Between 1991 and 2007, he was cross-appointed between the Ontario Veterinary College, University of Guelph, and the Public Health Agency of Canada, specializing in surveillance and epidemiologic research. Since then he has led Novometrix Research Inc. as president, which specializes in network integration and engagement, as well as data and information synthesis and analysis for solutions in the one health space; he is also currently an associate faculty member in the Department of Population Medicine, University of Guelph.

Kimberly Winter is the National Program Leader for the Forest Service NatureWatch Program. As former Habitats Program Manager at the National Wildlife Federation and the first International Coordinator for the North American Pollinator Protection Campaign, Kim has dedicated most of her efforts towards partnerships for conservation. Her passion for outreach to diverse audiences inspires her to travel internationally as much as possible, and her fluency in Spanish brings her most often to Latin America. Kim holds a Ph.D. in Wildlife Ecology and Management and a M.A. in Ecological Anthropology.

Terry Witzel's career has focused on agriculture, food processing and food distribution. He is also interested in promoting sustainable food systems and serves as a member of the San Mateo County Food System Alliance. Additionally, Terry serves on the Agricultural Advisory Council for the California State Fair. He joined

the Pollinator Project because of its emphasis on the global and economic importance of pollinators in food crop production.

Victoria Wojcik is an optimistic ecologist and city dweller that believes human populations and the natural world can coexist. For the past five years she studied the impact of urban landscapes on local bee populations, with a particular focus on how habitat resources are perceived and used by urban bees. Her current interests lie in the fields of pollinator conservation and in continuing to understand how anthropogenic factors affect species living in close proximity to human settlements. Recently, she has become increasingly interested in how policy and management decisions impact conservation efforts within cities. Vicki's academic work has been published in peer-reviewed journals, books, and magazines. She received her B.Sc. Honours from the University of Guelph, Canada in 2004 and her Ph.D. in Environmental Science, Policy, & Management from UC Berkeley in 2009. In addition to her work at the Pollinator Partnership, Vicki holds an appointment as a lecturer in biology at the University of California, Berkeley.

Tao Zhang, trained as an ecologist and landscape architect, is active in the arena of ecological design, striving to bridge the gap between practice and science. As well as being mindful and invested in the creative expression, Tao seeks inspiration from science. He believes in designed spaces that are holistic in both aesthetics and functionality. His work blends between urban design, regional planning, ecological assessment, and landscape architecture, as the discipline boundaries blur in front of complex urban challenges. Tao is an integral member of Sasaki's strong international presence, having led and contributed to a number of award winning projects. Tao is a member of the American Society of Landscape Architects and International Association of Landscape Ecology. He has published in peer-reviewed journals and spoken frequently at conferences around the world. Besides practice, Tao also teaches landscape architecture studios at Rhode Island School of Design and has been a visiting studio critic at Harvard Graduate School of Design, Massachusetts Institute of Technology, Northeastern University and Boston Architectural College.