

# NAPPC DIRECTORY

# Conference Participant List; Participant Biographies

October 2019

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# Contact

Email <a href="mailto:nappc@pollinator.org">nappc@pollinator.org</a> to be removed from the NAPPC Directory or if you have questions about our policy.

# **Chick Adams**

Shareholder Jones Hall 475 Sansome St., 17<sup>th</sup> Floor San Francisco, CA 94111 415-391-5780 x 222 cadams@joneshall.com

#### Laurie Davies Adams\*

President and CEO Pollinator Partnership 475 Sansome St., 17<sup>th</sup> Floor San Francisco, CA 94111 415-362-1137 Ida@pollinator.org

# Maria del Coro Arizmendi\*

Professor
Universidad Nacional
Autónoma de México
Ave. de los Barrios 1
Los Reyes Iztacala
Tlanepantla 54090 Edo de
Mexico, CP
52-55-1800-3801
coro@unam.mx

# **Bryan Arroyo**

Deputy Director U.S. Fish and Wildlife Service 1849 C Street, NW Suite 3357 Washington, DC 20204 202-208-4545 bryan arroyo@fws.gov

# **Amber Barnes**

Wildlife and Conservation Ecologist Pollinator Partnership 475 Sansome St., 17<sup>th</sup> Floor San Francisco, CA 94111 415-362-1137 ab@pollinator.org

# Mylea Bayless\*

Sr. Director, Network & Partnerships
Bat Conservation International 500 N Capital of Texas HWY Austin, TX 78746
mbayless@batcon.org

# May Berenbaum

Professor University of Illinois at Urbana-Champaign 320 Morrill Hall 505 S. Goodwin Urbana, IL 61801 217-417-5790 maybe@illinois.edu

#### Leighona Bernstein

Communications Manager CropLife International 1156 15th ST NW Suite 400 Washington, DC 20005 303-587-3663 leighona.bernstein@croplife.or g

#### **Ron Bitner**

Board Member Pollinator Partnership 475 Sansome St., 17<sup>th</sup> Floor San Francisco, CA 94111 415-362-1137 rbitner46@gmail.com

#### Justina Block

Osmia Bee LLC 1318 Duncan Avenue Cincinnati, OH 45208 513-604-6997 justina@osmiabee.com

#### Johan Bos

Farmer
Big Rock Ranch
P.O. Box 98
6261 Bates Road
Forest Grove, BC V0K 1M0
778-266-0427
johan@bigrockranch.ca

# Zac Browning\*

Owner/Manager Browning Honey Co. Inc. 3270 86<sup>th</sup> Ave SE Jamestown, ND 58401 701-320-6942 z\_browning@msn.com

# Wendy Caldwell\*

Executive Director
Monarch Joint Venture
2161 University Ave W
Suite 200
St. Paul, MN 55114
320-226-6507
wcaldwell@monarchjointventur
e.org

# **Madeline Hansen Carpenter**

Purdue University carpe121@purdue.edu

# William Carromero\*

National Botanist
U.S. Forest Service
Forest & Range Management
and Vegetation Ecology (3SE)
201 14th Street SW
Washington, DC 20250
479-280-3242
wcarromero@fs.fed.us

# **Sebastiana Cervantes**

Environmental Inspector II
Minneapolis Health Department
250 South 4th Street
Room 510
Minneapolis, MN 55415
612-673-3515
sebastiana.cervantes@minnea
polismn.gov

# **Cindy Cohanim**

Community Engagement and Social Media Specialist Calstone 1060 Tapscott Rd Scarborough, ON M1X 1E7 416-587-4621 cindy@calstoneinc.com

#### **Anthony Colangelo**

Communications Coordinator P2 Canada P.O. Box 73619 Wynchwood P.O. Toronto, Ontario M6C 4A7 415-362-1137 ac@pollinator.org

# **Diana Cox-Foster**

Research Leader and Location Coordinator USDA ARS Pollinating Insects Research Unit 1400 N 800 E North Logan, UT 84341 435-797-0530 diana.cox-foster@ars.usda.gov

# **Makaylee Crone**

Graduate Student
Penn State University
W-241 Millenium Science
Complex
University Park, PA 16802
214-585-1497
Makayleekcrone@gmail.com

# **Stephanie Darnell**

Stewardship Manager BASF 26 Davis Drive Durham, NC 27709 913-707-0746 stephanie.darnell@basf.com

#### **CalLee Davenport**

Partners Program State
Coordinator
U.S. Fish and Wildlife Service
2600 SE 98th Ave, Suite 100
Portland, OR 97266
503-231-6924
CalLee Davenport@fws.gov

# **Dominique Demers**

Business Manager Biobest USA Inc. 1170 Metro Airport Center Dr. Suite 110 Romulus, MI 48174 519-999-1131 da.demers@biobestgroup.com

# Megan Denver

Board Member, Secretary Pollinator Partnership 475 Sansome St., 17<sup>th</sup> Floor San Francisco, CA 94111 415-362-1137 megandenver@gmail.com

# Barbara De Rosa-Joynt

Division Chief for Biodiversity U.S. Department of State OES/ECW HST Rm 2658 2201 C Street NW Washington, DC 20520 202-647-4511 derosabm@state.gov

# **Cameron Douglass**

Biologist U.S. EPA 1200 Pennsylvania Ave., NW Mail Code 7507P Washington, DC 20460 703-347-0410 douglass.cameron@epa.gov

#### **David Dreher**

Senior Strategic Advisor Adventure Scientists P.O. Box 1834 Bozeman, MT 59771 406-624-3320 david@foresightdc.com

#### Jennie Durant

Postdoctoral scholar U.C. Riverside Entomology Dept. 165 Entomology Building Citrus Drive Riverside, CA 92521 916-220-9806 jennie.durant@ucr.edu

# John Englert\*

National Program Leader – Plant Materials USDA NRCS 1400 Independence Ave., SW Room 6157-S Washington, DC 20250 202-720-0536 john.englert@usda.gov

# **Andy Ernst**

Vice President
Ernst Conservation Seeds
8882 Mercer Pike
Meadville, PA 16335
814-336-2404
andy@ernstseed.com

#### Olivia Eskew

Policy and Strategy Analyst Cypress Creek Renewables 5500 NC Hwy 86 Chapel Hill, NC 27514 336-813-4034 oeskew@gmail.com

# Laurie Flanagan

Vice President
DC Legislative and Regulatory
Services
2221 S. Clark Street
11th Floor
Arlington, VA 22202
202-872-4850
Iflanagan@dclrs.com

#### Jessica Fox

Electric Power Research Institute 3420 Hillview Avenue Palo Alto, CA 94304 650-855-2138 ifox@epri.com

# **Emily Franchina**

Franchina Law Group LLC 1050 Franklin Ave STE 302 Garden City, NY 11530 516-680-8148 franchina@elderlawflg.com

# **Howard Ginsberg\***

Ecologist
USGS Patuxent Wildlife
Research Center
Rhode Island Field Station,
Woodward-PSE
University of Rhode Island
Kingston, RI 02881
401-874-4537
hginsberg@usgs.gov

# **Tugrul Giray**

Professor University of Puerto Rico Department of Biology P.O. Box 23360 San Juan, PR 00931 787-449-8522 tugrul.giray@upr.edu

# **Jennifer Gray**

Administrator, Research Programs Horticultural Research Institute 2130 Stella Court Columbus, OH 43215 614-884-1155 jenniferg@americanhort.org

#### Terry Griswold\*

USDA ARS Bee Biology & Systematics Lab 5310 Old Main Hill Logan, UT 84322 435-797-2526 terry.griswold@ars.usda.gov

#### Joan Gunter

Beekeeper American Beekeeping Federation 5735 Highway 14 Towner, ND 58788 701-537-3613 jmgunter@hotmail.com

# **Kevin Hackett**

National Program Leader USDA ARS ONP 5601 Sunnyside Ave. Beltsville, MD 20705 301-504-4680 Kevin.Hackett@usda.gov

# **Katherine Hagan**

M.S. Student University of Georgia Athens, GA 30601 270-993-4370 katherine.hagan@uga.edu

# Sarah Heller

Biological Science Technician USDA APHIS PPQ 1398 West Truck Road Buzzards Bay, MA 02542 508-563-0958 sarah.e.heller@usda.gov

# **Matthew Hendrickson**

Manager of Association Services U.S. Apple 7600 Leesburg Pike Suite 400 East Falls Church, VA 22043 703-940-5328 mhendrickson@usapple.org

#### Chris Hiatt\*

Vice President American Honey Producers Association 36355 Kensington Dr. Madera, CA 93636 559-232-2494 hiattch@sbcglobal.net

#### Elizabeth Hill

Honey Bee and Pollinator Coordinator USDA 1400 Independence Ave SW Room 3871 South Building MS 3817 Washington, DC 20011 202-720-3846 Elizabeth.hill2@usda.gov

# Steve Hilburger\*

Wildlife Program Manager U.S. Geological Survey 12201 Sunrise Valley Dr. MS301 Reston, VA 20192 703-648-4036 shilburger@usgs.gov

# Virginia Houston

Director, Government Relations American Seed Trade Association 1701 Duke Street, Suite 275 Alexandria, VA 22314 703-837-8140 vhouston@betterseed.org

# **Robin Hunt**

Farmer
Big Rock Ranch
P.O. Box 98
6261 Bates Road
Forest Grove, BC V0K 1M0
604-767-4627
info@bigrockranch.ca

# **David Inouye\***

Professor Emeritus University of Maryland 38213 Highway 133 Hotchkiss, CO 81419 970-260-6159 dwinouye@gmail.com

# Sara Kangas

Director of Communications National Association of Conservation Districts 509 Capitol Court NE Washington, DC 20002 202-547-6223 sara-kangas@nacdnet.org

#### **Abhishek Kashinath**

Lincoln County District Program Assistant GACD 110 Sherwood Drive Washington, GA 30673 904-501-2804 abhishek.kashinath@gacd.us

#### Elizzabeth Kaufman

Plant Ecologist
Pollinator Partnership
475 Sansome St., 17<sup>th</sup> Floor
San Francisco, CA 94111
415-362-1137
ek@pollinator.org

# Peter Kevan\*

University Professor Emeritus Canadian Pollination Initiative & ICPBR School of Environmental Sciences University of Guelph Guelph, Ontario N1G 2W1 519-824-4120 x52479 pkevan@uoguelph.ca

# Mike Kiernan

Native Beekeeper Bee the Change 803 Sheep Farm Rd Weybridge, VT 05753 802-349-2741 mtleki@gmail.com

# Mara Koenig

Public Affairs Specialist U.S. Fish and Wildlife Service 5600 American Blvd West Suite 990 Bloomington, MN 55437 612-713-5316 mara koenig@fws.gov

#### **Gary Krupnick**

Head, Plant Conservation Unit Smithsonian Institution P.O. Box 37012 NMNH MRC-166 Washington, DC 20013-7012 202-633-0940 krupnickg@si.edu

# **Zachary Lamas**

Graduate Student University of Maryland 9741 53<sup>rd</sup> Ave College Park, MD 20740 603-748-5334 zlamas@umd.edu

# Kathleen Law

Outreach Program Manager P2 Canada P.O. Box 73619 Wynchwood P.O. Toronto, Ontario M6C 4A7 415-362-1137 kl@pollinator.org

#### Seth Lerman

Natural Resources Support Coordinator National Park Service 1234 Market St, 20th Floor Philadelphia, PA 19119 215-597-7386 seth lerman@nps.gov

# **Josette Lewis**

Director, Agricultural Affairs Almond Board of California 1150 Ninth St, Suite 1500 Modesto, CA 95616 209-672-7243 jlewis@almondboard.com

# **Nicole Lindsey**

Co-Executive Director Detroit Hives 12948 Bramell St. Detroit, MI 48223 313-377-4123 honey@detroithives.com

#### Isaac Lisle

Program Associate
Pollinator Partnership
475 Sansome St., 17<sup>th</sup> Floor
San Francisco, Ca 94111
415-362-1137
isaac@pollinator.org

# Sean MacDougall

Program Lead, Biological Sciences Bureau of Land Management 20 M Street SE Suite 950 Washington, DC 20003 202-912-7722 smacdoug@blm.gov

# Alejandra Martínez de Castro Dubernard

Veterinarian ECOSUR José Maria Santiago 1D San Cristóbal de Las Casas Chiapas, 29200 52-1-552-919-1707 ale.mdcd@gmail.com

# Tim May

President
American Beekeeping
Federation
18804 Lincoln Rd.
Harvard, IL 60033
815-715-8585
tim@sunnyhillhoney.com

# Ray McAllister\*

Sr. Director, Regulatory Policy CropLife America 1156 15th Street, NW Suite # 400 Washington, DC 20005 202-577-6657 ray@croplife.us

# **Tracy McCleaf**

Biologist U.S. Fish and Wildlife Service 698 Conservation Way Shepherdstown, WV 25443 304-876-7781 tracy\_mccleaf@fws.gov

# Julie McIntyre

Southwest Region Pollinator Coordinator U.S. Fish and Wildlife Service 201 North Bonita Ave Tucson, AZ 85745 520-670-6150 Julie\_McIntyre@fws.gov

#### Ray Mims

Conservation, Sustainability, Partnerships U.S. Botanic Garden 245 First Street, SW Washington, DC 20024 202-409-1659 rmims@aoc.gov

# Peggy Mogush

Sales Associate Ernst Conservation Seeds 8884 Mercer Pike Meadville, PA 16335 800-873-3321 x 239 pmogush@ernstseed.com

# Ana Montero-Castaño

Postdoctoral Researcher University of Guelph 50 Stone Rd. E Guelph, ON N1G 2W1 519-824-4120 ext: 56127 ana.montero.castano@gmail.c om

#### **Lora Morandin**

Western Canada Program Manager P2 Canada P.O. Box 73619 Wynchwood P.O. Toronto, Ontario M6C 4A7 415-362-1137 Im@pollinator.org

# **Karl Morris**

Sr. Principal Scientist SBM Life Science 981 NC Highway 42 East Clayton, NC 27527 919-625-6510 karl.morris@sbmcompany.com

# **Margaret O'Gorman**

President Wildlife Habitat Council 8737 Colesville Rd Suite 800 Silver Spring, MD 20910 609-647-9310 mogorman@wildlifehc.org

#### Clint Otto

Research Ecologist U.S. Geological Survey 8711 37th St SE Northern Prairie Wildlife Research Center Jamestown, ND 58401 701-253-5563 cotto@usgs.gov

# **Thalia Pappas**

Consultant
TerraFlora Environmental
100 Woods Lane
Landenberg, PA 19350
610-357-4285
thaliapappas@gmail.com

# **Timothy Paule**

Director of Operations Detroit Hives 9336 E Warren Ave Detroit, MI 48214 248-808-8467 timothypaule@me.com

# **Robert Progar**

National Program Lead, Entomology and Pathology U.S. Forest Service 201 14th Street SW Washington, DC 20250 541-602-1848 robert.progar@usda.gov

# Alixandra Prybyla

Science Director
The Honeybee Conservancy
414 E 88th St, APT 5D
New York, NY 10128
440-409-1948
alixandra.prybyla@gmail.com

#### Nathan Redecker

Botany and Monitoring Specialist Bureau of Land Managment 301 Dinosaur Trail Santa Fe, NM 87508 505-954-2116 nredecker@blm.gov

#### Thelma Redick

Sr. Dir. Conservation Content & Partnerships
Wildlife Habitat Council
10 Schuler Lane
Coraopolis, PA 15108
412-720-4409
tredick@wildlifehc.org

# **Michael Retterer**

Coordinating Wildlife Biologist Pheasants/Quail Forever/OPHI 7980 Hunt Clymer Rd. Mechanicsburg, OH 43044 937-631-1064 mretterer@pheasantsforever.or g

#### **Andre Riveros**

Associate Professor
U. del Rosario (Colombia)/U. of
Arizona (Tucson)
504 S Stone Ave
Tucson, AZ 85701
520-244-5160
ajosafat@email.arizona.edu

# Mike Roberts

Canadian Federation of Agriculture 21 Florence Street Ottawa, ON K2P 0W6 613-236-3633 office@canadian-farmers.ca

# **Mary Robinson**

President
Canadian Federation of
Agriculture
21 Florence Street
Ottawa, ON K2P 0W6
613-236-3633
office@canadian-farmers.ca

#### Robyn Rose

National Environmental Compliance Coordinator USDA FPAC 1400 Independence Ave USDA S Ag Bldg 4089 Washington, DC 20250 202-720-5104 robyn.i.rose@usda.gov

# Kelly Rourke

Director of Programs and Operations Pollinator Partnership 475 Sansome St., 17<sup>th</sup> Floor San Francisco, CA 94111 415-362-1137 kr@pollinator.org

# Olav Rueppell

University of North Carolina Greensboro 321 McIver Street 312 Eberhart Building Greensboro, NC 27402 336-256-2591 olav\_rueppell@uncg.edu

# **Mary Rust**

U.S. EPA 1200 Pennsylvania Ave NW Washington, DC 20004 703-477-0837 rust.mary@epa.gov

# Josie Ryan

National Operations Manager USDA APHIS 320 Merrick Rd Amityville, NY 11701 516-253-7760 josie.k.ryan@aphis.usda.gov

# **Dara Satterfield**

AAAS Science Policy Fellow U.S. Fish and Wildlife Service 631 D Street NW #243 Washington, DC 20004 770-584-4965 dara.satterfield@gmail.com

#### **Dolores Savignano\***

Biologist U.S. Fish and Wildlife Service 5275 Leesburg Pike MS: FAC Falls Church, VA 22041 703-358-1864 dolores savignano@fws.gov

#### Caydee Savinelli

Pollinator Stewardship Lead Syngenta 410 S. Swing Road Greensboro, NC 27310 336-632-2283 caydee.savinelli@syngenta.co m

#### Elizabeth Sellers\*

Data Development Specialist U.S. Geological Survey 12201 Sunrise Valley Drive Mail Stop 302 Reston, VA 20192 703-648-4385 esellers@usgs.gov

# **Tamara Smith**

Biologist U.S. Fish and Wildlife Service 4101 American Blvd East Bloomington, MN 55425 952-252-0092 tamara\_smith@fws.gov

# **Danielle Soulard**

Science and Regulatory Affairs Officer CropLife Canada 1201-350 Sparks Street Ottawa, ON K1R 7S8 613-230-9881 soulardd@croplife.ca

# **Edward Spevak**

Curator of Invertebrates Saint Louis Zoo 1 Government Drive St Louis, MO 63110 314-646-4706 spevak@stlzoo.org

#### Mimi Strand

Program Manager ARO P.O. Box 12211 RTP, NC 27709 919-549-4343 micheline.k.strand.civ@mail.mil

# **Jamie Strange**

Chair, Department of Entomology The Ohio State University 2021 Coffey Road 216 Kottman Hall Columbus, OH 43210 614-292-9325 strange.54@osu.edu

# Brian and Rebecca Tankersley

Farmers
Double Branches Farm and
Produce Market
4995 Double Branches Road
Lincolnton, GA 30817
229-392-7004
briantankersley@att.net

# Chip Taylor\*

Director Monarch Watch 2021 Constant Ave Lawrence, KS 66044 785-864-4441 chip@ku.edu

# Salima Taylor

Graduate Student Tufts University Friedman School 9 Saint Peter St. Unit 4 Jamaica Plain, MA 02130 919-806-9428 salima.taylor@tufts.edu

# **Barry Thompson**

Estate and Orchard Beekeeping 13201 Moran Drive North Potomac, MD 20878 301-922-1810 BHT1113@aol.com

#### Thomas Van Arsdall

Director of Public Affairs Pollinator Partnership 475 Sansome St., 17<sup>th</sup> Floor San Francisco, CA 94111 415-362-1137 tva@pollinator.org

#### Liz Walsh

Texas A&M University 2475 TAMU Entomology Minnie Belle Heep College Station, TX 77843 walshe@tamu.edu

# Jacob Wenger

Assistant Professor of Entomology California State University, Fresno Jordan College of Agricultural Sciences & Tech. Department of Plant Science 2415 E. San Ramon, MS AS79 Fresno, CA 93740 559-278-7754 jawenger@mail.fresnostate.edu

# **Bob Wildfong\***

Executive Director Seeds of Diversity Canada #303 40 King St South Waterloo, Ontario N2J 1N8 Canada 519-505-7814 bob@pollinationcanada.ca

# Kimberly Winter\*

NatureWatch National Program Leader U.S. Forest Service 201 14<sup>th</sup> St SW Washington, DC 20250 703-341-7292 kimberly.winter@usda.gov

# **Terry Witzel**

Board Member, Treasurer Pollinator Partnership 475 Sansome St., 17<sup>th</sup> Floor San Francisco, CA 94111 415-362-1137 tpwitzel@comcast.net Victoria Wojcik

Research Director
P2 Canada
P.O. Box 73619
Wynchwood P.O.
Toronto, Ontario M6C 4A7
415-362-1137
vw@pollinator.org

**Grady Zuiderveen** 

Botanist U.S. Forest Service 201 14th St SW Washington, DC 20250 202-480-0634 grady.zuiderveen@usda.gov

# \*NAPPC Steering Committee Members

Chair - David Inouye, Ph.D., University of Maryland

Vice Chair Mexico - Coro Arizmendi, Ph.D., Universidad Nacional Autonoma de Mexico

Vice Chair U.S. - Gary Krupnick, Ph.D., Smithsonian Institution

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Zac Browning, Browning Honey Co. Inc.

Wendy Caldwell, Monarch Joint Venture

William Carromero, Ph.D., US Forest Service

John Englert, USDA NRCS

Terry Griswold, Ph.D., USDA-ARS Bee Biology & Systematics

Chris Hiatt, American Honey Producers Association

Steve Hilburger, USGS - Wildlife Program

Ray McAllister, CropLife America

Elizabeth Sellers, USGS - Core Science Systems

Chip Taylor, Ph.D., University of Kansas/Monarch Watch

Bob Wildfong, Ph.D., Seeds of Diversity Canada

NAPPC Liaison - Dolores Savignano, Ph.D., Liaison to USFWS

# NAPPC PARTICIPANT BIOGRAPHIES October 2019

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, President and CEO of the Pollinator Partnership, (www.pollinator.org), has for 19 years lead the world's largest nonprofit devoted solely to the health of all pollinators. As Executive Director for 21 years, she presided P2's signature initiatives, the North American Pollinator Protection Campaign (NAPPC), National Pollinator Week, Eco-regional planting guides, the BeeSmart™ Gardener App, the U.S. Bee Buffer Project and Monarch Wings Across America. She has signed agreements with over 11 federal agencies influencing over 1.5 billion acres of US land to encourage pollinator conservation. She is Vice-Chairman of the Wildlife Habitat Council's Board. Under her direction, the Pollinator Partnership has twice won the EPA's PESP Champion Award and the Garden Club of America's National Environmental Stewardship Award. She was a key consultant with the White House on the Presidential Memorandum on Pollinators and instrumental in the development of the National Strategy to Promote the Health of Honey Bees and Other Pollinators.

Maria del Coro Arizmendi is a full time professor at 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 her 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.

May Berenbaum has been a faculty member of the Department of Entomology at the University of Illinois at Urbana-Champaign since 1980, serving as Head since 1992 and as the Swanlund Professor of Entomology since 1996. With a focus on the effects of natural and synthetic chemicals on plant-insect interactions, including pollination, her research has encompassed species in seven insect orders. In addition to research, she is dedicated to science communication, authoring numerous articles, editorials, and books on insects and creating the citizen-scientist website Beespotter, and founding the UI Pollinatarium, a free-standing science center dedicated to raising pollinator awareness. As a member of the National Academy of Sciences, she chaired the Committee on the Status of Pollinators in North America and testified before Congress on honey bee health and pollinator decline. She received the Tyler Prize for Environmental Achievement in 2011 and the National Medal of Science in 2014.

<u>Johan Bos</u> and Robin Hunt run Big Rock Ranch, a family run farm where sustainability and ecological practices are at its core. Here, they care for 2 bee hives, plant pollinator friendly plants from spring to fall, raise heritage free range chickens, run a mixed organic fruit and vegetable market garden, and run an off grid tiny home bed and breakfast.

<u>Wendy Caldwell</u> is the Executive Director of the Monarch Joint Venture, a partnership represented by 85 organizations across the United States who work to protect monarch butterflies and their habitats through education, outreach, research, monitoring, and through habitat conservation. She began working on monarch conservation in 2007, helping to write an initial draft of the North American Monarch Conservation Plan (Commission for Environmental Cooperation, 2008). Before becoming the MJV Director in 2013, Wendy worked with the Monarch Lab to support its educational programs and coordinate the Monarch Larva Monitoring Project. She graduated from the University of Minnesota with a degree in Environmental Science and Entomology.

Growing up in rural western Minnesota, she has a strong interest in supporting conservation practices in agricultural communities, and embraces the opportunity to engage 'all hands in all lands' in conservation utilizing monarchs as a flagship species for conservation. Intermixed with her monarch work, Wendy has also worked in the fields of waterfowl research and prairie restoration with with Ducks Unlimited, The Nature Conservancy, and the Illinois Natural History Survey.

William Carromero is the National Botanist for the USDA Forest Service National Hadquarters. Dr. Carromero started his career with the Forest Service in 2004 as the District Botanist at the Ocala National Forest in Florida. He then became the Forest Ecologist at the Ozark-St. Francis National Forests in Arkansas from 2010 to 2015. During his tenure at the Ozark-St. Francis, he led the Ozark Highlands Ecosystem Collaborative Restoration project as the Collaborative Forest Landscape Restoration (CFLR) Coordinator. He also coordinated the Joint Chief's Initiative for the Western Arkansas Woodland Restoration Project. In 2014, William and his team received a Chief's Honor Award in Sustaining National Forests and Grasslands for their CFLR project accomplishments. Dr. Carromero joined the Rangeland Management and Vegetation Ecology Staff at the Forest Service's National Headquarters in October of 2015 as the Invasive Species Specialist. During his tenure at the Washington Office, William has participated in various projects including the Collaborative Restoration Advisory Team, Species of Conservation Concern Issue Team and Strategic Framework Team.

Sebastiana Cervantes is a graduate from Gustavus Adolphus College with a Bachelor's degree in Biology and Environmental Studies. She currently works for the Environmental Services Unit of the Minneapolis Health Department as an Environmental Health Inspector. It became her mission to work on pollinator work to help achieve the City's goal of increasing pollinator habitat, thus the Conservation of Minneapolis Bees (C.O.M.B.) project was created. She helped secure \$80,000 worth of external funding to help pollinators and pollinator habitat through the Environmental Solutions for Communities Grant through the National Fish and Wildlife Foundation and Wells Fargo. Over the past four years, the C.O.M.B. project along with several local community partners have installed hundreds of trees and thousands of native plants throughout Minneapolis. This initiative has helped educate over 98,000 people about pollinators through Facebook and Twitter posts, communication videos, news releases, and event tabling. Sebastiana has also helped organize partnerships with high school students to manage honey bee hives on City Hall.

<u>Cindy Cohanim</u> is the Community Engagement and Social Media Specialist responsible for environmental initiatives and external market outreach at Calstone, a family owned Canadian manufacturer of business furniture located in Scarborough, Ontario. Cindy has focused on environmental solutions throughout her personal life and career which included the founding of Green With Envi, a distributor of reusable home products.

Working with the team at Calstone, she is focused on managing relationships with partners, customers and communities to promote the environmental leadership that Calstone maintains as part of its innovative and industry leading products. Examples of their leadership in sustainability includes the Calstone Remanufacturing program that guarantees zero landfill use, their Rainwater Harvesting Project and the Tom Longboat Pollinator habitat for which Calstone received the NAPPC award.

Anthony Colangelo is a biology enthusiast who spends most of his time admiring and taking photographs of local birds and bugs. He received his Bachelor of Science degree at Queen's University majoring in Biology, and researched interesting life history traits and parental care behaviours seen in many bird species during his undergraduate career. Anthony has worked through multiple field seasons on many study organisms including tree swallows, black-capped chickadees, and carrion beetles, and loves to be outdoors to conduct research. Based in Toronto, Anthony is excited to be working toward improving pollinator protection and health!

<u>Diana Cox-Foster</u> is a Research Leader and Entomologist at USDA-ARS-PWA Pollinating Insects Research Unit (PIRU) in Logan, Utah. PIRU is focused on the biology, management, and systematics of all bee species. Its primary stakeholders include growers who use non-Apis bees for pollination. PIRU is home of the U.S. National Pollinating Insect Collection with scientists whose research aides in conservation of bee biodiversity. Cox-Foster's research focuses on bees and their interactions with pathogens and stresses (parasites and pesticide exposure). Cox-Foster became fascinated with bees and insects as a kid in Colorado. She received a B. S. in Entomology and Zoology at Colorado State University and a M.S. and Ph.D. in Entomology at University of Illinois at Urbana-Champaign. Cox-Foster gained skills in molecular biology as a post-doc at Vanderbilt University. In 1987, Cox-Foster joined Penn State University in Entomology as a faculty member; she transitioned to USDA-ARS in October 2015.

<u>Makaylee Crone</u> received her bachelor's degree in Bioenvironmental Science from Texas A&M University. She now a Ph.D. student advised by Christina Grozinger and David Biddinger in the Penn State Integrated Pollinator Ecology Program. Her research focuses on mitigating pesticide stress in honey bees and Japanese orchard bees through quality nutrition.

<u>Jennie Durant</u> is a social scientist and postdoctoral scholar interested in agrifood systems, with a focus on pollinator health, pesticide policy, and sustainable food production. During her PhD at UC Berkeley, she investigated how commercial beekeepers changed their management practices as the California almond industry expanded three-fold from 1990-2016. Her methods included in-depth interviews, a survey, and participant observation, as well as analyses of historical documents and grower pesticide use statistics.

As a USDA-NIFA postdoctoral fellow at UC Riverside, Jennie is deepening her focus on the almond industry by investigating the barriers and incentives to adopting bee-friendly practices on almond orchards through qualitative research and an industry-wide survey.

John Englert is the National Program Leader for Plant Materials with the USDA's Natural Resources Conservation Service in Washington, DC. He has been with the agency for over 25 years. John provides technical leadership on agency-wide vegetation issues that affect soil stabilization and soil health, water and air quality, wildlife and pollinator habitat, and livestock production. John provides overall guidance and direction for activities at NRCS' 25 Plant Materials Centers. Plant Materials Centers develop plants and plant information on a wide range of topics, including appropriate wildflowers species and methods of establishing and managing plantings to support NRCS pollinator habitat efforts.

<u>Olivia Eskew</u> recently transitioned from a role at Cypress Creek Renewables as the Pollinator Project Coordinator to the Sustainability Coordinator. As the Pollinator Project Coordinator, she pioneered a national sustainable best practices guide for the utility-scale solar industry on the co-location of solar and agriculture. Currently, she is incorporating corporate social responsibility initiatives company-wide to facilitate external reporting of the company's triple bottom line. She recently graduated from Duke University's Master of Environmental Management program at the Nicholas School of the Environment. With a focus on corporate social responsibility, her graduate degree serves as a bridge between her natural science background to policy and sustainability initiatives facilitation.

<u>Jessica Fox</u> is a Senior Technical Executive at the Electric Power Research Institute (EPRI), a non-profit scientific research organization. She has led EPRI's \$15M per year Water and Ecosystem research team and is an expert in environmental markets and "credit stacking," ecosystem services, and corporate sustainability. Fox created the EPRI Ohio River Basin Water Quality Trading Project, which is the world's first interstate trading program for nutrients (http://wqt.epri.com) and won the United States Water Prize in 2015. Fox led EPRI's Energy Sustainability Interest Group from 2011 through 2016 to become the largest collaborative forum in the industry to strategically advance critical issues related to the sustainable generation and distribution of electricity. In 2017, Fox was recognized as Top Innovator (The Fantastic Forty) by Public Utilities Fortnightly. In 2018, Ms. Fox launched the EPRI Power-in-Pollinators Initiative http://www.epri.com/pollinators, which already the largest effort in North America focused specifically on pollinator conservation at electric power companies.

**Tugrul Giray** began bee research in 1988 at the Middle East Technical University in Turkey. Dr. Giray obtained his MS and PhD degrees in Entomology for research on bees at the University of Illinois under mentorship of Dr. Gene Robinson. After postdoctoral work at the Smithsonian Institute with Dr. Mary Jane West-Eberhard, and Dr. David Roubik, he studied behavior genetics at the University of Vermont with Dr. Lori Stevens. He is working at the University of Puerto Rico since 2000. He is the director of the Department of Biology in the Natural Sciences College since 2014. Research in Giray lab ranges from molecular physiology, behavior, ecology, evolution, to genomics of honey bees around the world. One interesting discovery of the lab is that in Puerto Rico a gentle Africanized Honey Bee (gAHB) evolved since their introduction to the island in 1994. gAHB are resistant to Varroa mites, and are free of main honey bee viruses. Giray lab is active in extension projects.

<u>Katherine Hagan</u> is a master's student in the Honey Bee Program of the Entomology Department of the UGA College of Agricultural & Environmental Sciences (CAES).

Hailing from Whitesville, Kentucky, Katherine earned her Bachelor of Arts in Environmental Studies from Centre College in Danville, Kentucky. While working on a class project, Katherine became fascinated with honey bees and propelled herself into the world of entomology, starting with an internship in Dr. Daniel Potter's lab at the University of Kentucky. There, she assisted in the identification of over 10,000 bee genera from the Ohio Valley Region.

While interning at the University of Kentucky, Katherine accepted a study abroad in Mérida, Mexico, where she worked with a local organization to develop information on the Melipona beechi, a stingless bee species of cultural and ecological importance in the Yucatán. Her interest in pollinator research accompanied her to an internship position at National Park Service in Washington D.C., where she first served as a Biodiversity Youth Ambassador for the National Park Centennial and 10th annual Bioblitz. Finishing up her degree at Centre College, Katherine moved to New York to work for the American Museum of Natural History and the New York Botanical Gardens. The outstanding reputation of the Honey Bee Program and the outreach of Dr. Keith Delaplane and Jennifer Berry attracted Katherine to UGA, and where she hopes to obtain her masters in honeybee research, specifically within the sectors of polyandry and social evolution.

<u>Virginia Houston</u>, as Director of Government Relations, is responsible for implementing ASTA's federal legislative initiatives. In addition, she spearheads the advocacy efforts of the association through representing ASTA on Capitol Hill, tracking proposed legislation, coordinating comments and testimony to Congress, and managing the activities of SeedFirstPAC, the political action committee of the seed industry.

Most recently, Virginia was employed with the National Pork Producers Council, where she managed member outreach, legislative research and NPPC's political action committee. She held previous positions at the Animal Agriculture Alliance and the Agriculture Marketing Service at USDA.

A native of east Tennessee, Virginia grew up on a diversified cow/calf operation, and her family owns and operates the oldest livestock auction market in Tennessee. Virginia has a bachelor's degree in Political Science from the University of Mississippi and a master's in Political Management from The George Washington University.

**Robin Hunt** and Johan Bos run Big Rock Ranch, a family run farm where sustainability and ecological practices are at its core. Here, they care for 2 bee hives, plant pollinator friendly plants from spring to fall, raise heritage free range chickens, run a mixed organic fruit and vegetable market garden, and run an off grid tiny home bed and breakfast.

<u>David Inouye</u> has worked on pollinator ecology and conservation for many years, and been an active participant in NAPPC since its inception. He still works on pollinators each summer at the Rocky Mountain Biological Laboratory.

Elizabeth Kaufman's passionate interests in native pollinator conservation and biological corridor restoration led her to join the Pollinator Partnership in 2018 to work as P2's Monarch Habitat Coordinator. In-between earning her BA in Human Ecology from Prescott College, and MS in Plant Biology and Conservation from Northwestern University and Chicago Botanic Garden, Elizzabeth worked in the horticultural arts and sciences specializing in the restoration of native eco-scapes. Since then, Elizzabeth has worked with the Chicago Botanic Garden Plant Science Center as a Research Associate to investigate success rates of native seed mixes used in restoration work on federal lands, and with the Bureau of Land Management and National Park Service as a Project Lead / Plant Science Tech Crew Lead to conduct plant community field surveys, T/E species habitat assessments, and habitat restoration projects. Elizzabeth is thrilled to join the P2 team, enabling her to focus her efforts on landscape-scale pollinator habitat enhancement and conservation work.

<u>Mike Kiernan</u> is the founder of Bee the Change, which has been building habitat for pollinators in solar fields and other spaces in the Northeastern U.S. since 2015.

<u>Mara Koenig</u>, U.S. Fish & Wildlife Service Public Affairs Specialist, leads a national team of communicators engaging internal and external audiences in monarch and pollinator conservation. Mara uses her innate communication skills and years of leadership in the field to share a vision for fish, wildlife and plant conservation. Following in her family's teaching tradition, she always strives to impart the importance of natural resource conservation. Mara enthusiastically works to broaden the Service's influence and look beyond the initial scope to anticipate and capitalize on additional engagement opportunities to move the Service's mission forward.

<u>Gary Krupnick</u> is a research scientist at the Smithsonian's National Museum of Natural History, where he heads up the Plant Conservation Unit. He represents the Smithsonian on committees for plant conservation and pollination. Gary studies plant conservation biology, plant reproduction, the use of herbarium specimens to determine rarity and endangerment of plant species, and plant-pollinator interactions. He has conducted conservation assessments of the flora of Hawaii and the flora of the West Indies. He co-curated the traveling exhibition, "Losing Paradise? Endangered Plants Here and Around the World," a convergence of art, science, conservation, and education. Gary serves on the steering committee of the North American Orchid Conservation Center and is the Vice Chair of the steering committee of NAPPC. He is the co-editor of the book Plant Conservation: A Natural History Approach (University of Chicago Press; 2005), and the editor of The Plant Press (newsletter of the U.S. National Herbarium).

<u>Kathleen Law's</u> interest in native plants and restoration ecology lead her to discover a love for pollinators and a fascination with their crucial role in sustaining ecosystems. She completed a Masters degree in geography at the University of Guelph, Ontario (Canada), where her research focused on farmer-centered and collaborative approaches to pollinator conservation on farmland. Her favourite research topics are landscape-level habitat provision and crop production interactions, and innovative governance approaches to environmental problems. Kathleen has volunteered on the North American Native Plant Society's Rescues and Restoration Committee, and led environmental leadership workshops and research internationally, notably in Guyana and Senegal. Based in Toronto, Ontario, Kathleen is engaged with both the urban and rural conservation communities, with a special place in her heart for farmers.

<u>Seth Lehrman</u> has been working for the federal government for nearly 21 years. The first 18.5 were with the USDA-Natural Resources Conservation Service (NRCS) in Connecticut as a Resource Conservationist. The last two years he has worked as the Natural Resources Support Coordinator for the Northeast Region of the National Park Service (NPS). With the NPS, Seth coordinates the natural resource portion of annual NPS comprehensive funding call for his region, writes technical briefs, and assists Parks and regional natural resources staff on a range of technical and administrative issues. While at NRCS he worked with several private and public landowners on pollinator habitat implementation projects. Seth serves as the Northeast Region representative to the NPS pollinator group and assists parks as needed with any pollinator related questions or projects.

<u>Nicole Lindsey</u>, a Detroit native, knew she had to spring into action when she learned of the declination of the bee population. Enamored by the majesty of bees, Nicole recognized the importance of increasing awareness of the dwindling pollinators and their processes. Since co-founding the Detroit Hives in January of 2017, Nicole serves as an educator and beekeeper, devoted to altering negative stigmas about honeybees and informing of their crucial roles and benefits to the environment. She is a proud member Delta Sigma Theta Sorority, Incorporated, Bee Ambassador for the Honeybee Conservancy, Certified Pollinator Champion through the Michigan State University Extension Program, and member of the Southeastern Michigan Beekeepers' Association. Lastly, Nicole is dedicated to educating young girls on the importance of pollinator education.

<u>Isaac Lisle</u> developed a love for biology and nature at a young age. Frequent trips to local zoos and nature parks, as well as the family farm in Iowa nurtured this growing passion over the years, eventually leading him to pursue his B.S. in Conservation Biology at Union University in Tennessee, where he not only gained a valuable education, but had the opportunity to work for nonprofits across the nation during the summers. Upon graduation, he moved to San Francisco where he is pursuing a Masters of Environmental Management at the University of San Francisco. Isaac began working at Pollinator Partnership shortly after his move to the city, and is thrilled to have the opportunity to begin his career at such an influential and science based conservation organization. His duties at P2 include contributing to NAPPC projects and events as well as donor development.

<u>Alejandra Martínez de Castro Dubernard</u> is a Mexican veterinarian who has been focused in bee conservation, working at El Colegio de la Frontera Sur with bumblebee rearing and research the last two years, specifically with the Mesoamerican bumblebee *Bombus ephippiatus*, achieving its controlled reproduction. Currently she has a big interest in pesticide research, and will investigate the effect of pesticides on native bumblebee populations in Mexico.

<u>Tim May</u> is a third generation commercial beekeeper from outside of Chicago. Sunny Hill Honey manages 1500 colonies throughout Northern Illinois and Southern Wisconsin for honey production and regional pollination. Sunny Hill Honey has been packing and distributing honey under the brand since 1948. Tim May is the current president of the American Beekeeping Federation.

<u>Ray McAllister</u> has served since 1989 as the Senior Director of Regulatory Policy for CropLife America in Washington, DC, the U.S. national trade association representing manufacturers, formulators, and distributors of crop protection products. He received the B.S. and M.S. degrees in Plant Science from Utah State University, the M.Ed. degree in Community Education Administration from Brigham Young University, and the Ph.D. in Weed Science from the University of Nebraska-Lincoln.

<u>Ana Montero-Castaño</u> is a Pollination ecologist working on different threats to pollinators and the pollination service they provide. Keywords: invasive species, pesticides, pathogen spread, plant-pollinator networks, wild pollinators, Mediterranean ecosystems, agro-ecosystems, blueberry crops.

Lora Morandin has been doing research on bees and pollination since 1997. She started out working on bee pollination of greenhouse tomatoes at Western University in Ontario and that grew into an interest in native pollinator conservation and sustainable agriculture. She then did a PhD at Simon Fraser University in British Columbia studying modern agriculture and pollinators, followed by post doctoral research at the University of California, Berkeley working on enhancement of native pollinators and natural enemy insects through small-scale farm restoration. Lora has more than 20 peer-reviewed publications on pollinators and sustainable agriculture, including innovative work on economic benefits of ecosystem services. She has consulted for government and industry on diverse ecological topics such as seabird oiling from offshore oil and gas operations, and honey bee health research gaps. Lora lives in Victoria, British Columbia and when she's not working part time for Pollinator Partnership Canada, spends time working on her urban farm and enjoying BC's beautiful natural areas. Lora is excited to be working with P2C to bring more research, outreach, and conservation of pollinators to urban and agricultural areas of Western Canada.

<u>Margaret O'Gorman</u> operates at the intersection of business and nature. As President of the Wildlife Habitat Council, she helps companies find value in natural resources conservation and mainstream biodiversity across operations. She consults with multinational corporations to develop integrated strategies to implement conservation projects to meet business needs and, in so doing, enhance ecosystems, connect communities and engage employees. She helps WHC members build conservation into their sustainability efforts and helps sustain conservation efforts through WHC's signature Conservation Certification recognition, which serves to define the standard for corporate conservation worldwide. As a member of the Extended Consultative Network she is advising the Convention on Biological Diversity (CBD) on mainstreaming biodiversity towards the post-2020 goals. She is the author of the book 'Strategic Corporate Conservation Planning" to be published by Island Press in early 2021.

<u>Clint Otto</u> is a research ecologist for the US Geological Survey stationed at Northern Prairie Wildlife Research Center in Jamestown, North Dakota. Since 2014, Clint has been investigating the impacts of land-use change on pollinators and ecosystem services in the northern Great Plains. Much of his research focuses on the development of decision-support tools to inform natural resource management and policy. Clint's current work includes evaluating the effectiveness of pollinator habitat enhancements, modeling pollen foraging by honey bees and the endangered rusty patched bumble bee (*Bombus affinis*), and quantifying floral resource use by pollinators on managed lands.

<u>Thalia Pappas</u> was consultant for the Delaware Department of Agriculture, working with farmers, educators, homeowners, DE National Guard and state and federal employees to highlight their programs while creating and implementing strategies to improve pollinator health. She also had the opportunity to present information to The Brandywine Conservancy, Winterthur, Bombay Hook National Wildlife Refuge, and DE Master Gardeners on pollinator protection advocacy at the state and national level, and how the diversity of the initiatives in the state contributed to the goals of Delaware's Pollinator Protection plan.

In her role as co-chair of the NAPPC Bee Friendly Farming Task Force, she and the task team are building a structure for regional outreach channels, creating a more robust sponsorship plan, and providing membership incentives and marketing materials to increase the value add of BFF for farmers and their customers. She is also a board member for Healthy Food for Healthy Kids, a non-profit organization funding and building school vegetable gardens so students in Delaware can experience healthy eating and learn about plant science first hand by planting, harvesting and eating vegetables as part of their school curriculum.

<u>Alixandra Prybyla</u> (Science Director of The Honeybee Conservancy) hails from Cleveland, Ohio, where her love of the natural world was cultivated in the forests of the Cuyahoga Valley National Park. With a professional background in ecology and conservation biology, Alix has had the privilege and pleasure of conducting fieldwork all over the world: from howler monkey conservation in Belize, to shark tagging in the Bahamas. She is a strong believer in the democratization of science through citizen science research projects (an interest she brings with her to THBC). When she's not fussing over her latest research proposal, Alix can be found diving into the fantasy worlds of books.

<u>Michael Retterer</u> is a graduate form the University of Rio Grande where he obtained his Bachelor of Science degree focusing on wildlife/fish conservation and management. He currently serves as a Coordinating Wildlife Biologist for Pheasants Forever, and the OPHI state coordinator where he works with landowners, state, and federal agencies providing technical assistance regarding the implementation of specific conservation measures and programs to improve wildlife habitat. Mike also works with a large group of diverse partners to help coordinate and influence habitat management efforts and participates in state wide meetings to further the mission of Pheasants Forever, OPHI, and statewide conservation efforts.

<u>Nathan Redecker</u> is the Botany and Monitoring specialist for New Mexico BLM. He coordinates and supports field efforts for the AIM (Assessment Inventory and Monitoring) and Rare Plant Monitoring programs. He provides data management and support for data analysis of the AIM indicators and rare plant demographic monitoring throughout NM.

Thelma Redick, with WHC since 2003, brings 30 years' experience in conservation education and community engagement, specializing in place-based learning and building productive partnerships. She manages partnership agreements, directs the annual Conservation Conference and manages WHC's on-line learning, the Conservation Academy. Thelma holds a Masters in Non-profit Management from Robert Morris University, along with degrees in Communications and Management; she also studied Conservation Ecology at Chatham's Rachel Carson Institute, with certifications in Environmental Education and Ecological Landscaping. Before Joining WHC she worked as a freelance filmmaker, curriculum writer and held positions at ASSET, the Pittsburgh Civic Garden Center and Phipps Conservatory.

<u>Andre Riveros</u> has worked with bees in the tropics and the US for over 20 years. Dr. Riveros' expertise is within the field of neurobiology of learning and memory of bees, specially honeybees and bumblebees. Dr. Riveros is currently an Associate Professor at Universidad del Rosario (Colombia) and a Research Associate at the University of Arizona (Tucson).

Kelly Rourke is Director of Programs and Operations 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.

<u>Olav Rueppell</u> is a professor of biology at the University of North Carolina Greensboro and studies honey bee health and biology. To improve honey bee health, he focuses on understanding the biological interactions between Varroa mites, viruses, and honey bees to identify sustainable solutions for apiculture.

<u>Mary Rust</u> is a biologist at EPA's Office of Pesticide Programs where she has worked to further pollinator awareness for educators and pesticide users. Every year, Mary and other EPA employees participate in NAPPC's Pollinator Week on the National Mall. Mary is passionate about pollinators and NAPPC.

<u>Dara Satterfield</u> is an ecologist currently serving as an AAAS Science & Technology Policy Fellow at the U.S. Fish and Wildlife Service. Dara also conducts research on monarch butterflies, animal migration, and infectious disease ecology.

<u>Dolores Savignano</u> is the U.S. Fish and Wildlife Service (USFWS) 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 USFWS has a wide range of pollinator projects throughout the county and internationally. 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.

<u>Elizabeth Sellers</u> (B.Sc. Honors – Botany & Geomorphology, James Cook University, Australia) has served the USGS as a Data Information Specialist for 15 years. She coordinates data loads for the Biodiversity Information Serving Our Nation (BISON – http://bison.usgs.gov) online all-taxa mapping and checklist application; and is working with Dr. John Ascher to complete the World Bee update for the Integrated Taxonomic Information System (ITIS – www.itis.gov). She has served on the NAPPC Steering Committee for 12 years.

<u>Dr. Ed Spevak</u> has dedicated the last 40 years to the conservation of invertebrates and vertebrates working as a zoo curator and small population biologist. Ed is the Curator of Invertebrates at the Saint Louis Zoo and is Director of Saint Louis Zoos WildCare Institute Center for Native Pollinator Conservation. Ed and the Saint Louis Zoo helped to establish the IUCN SSC Bumble Bee Specialist Group and Ed serves as the Programme Officer. Ed and the Zoo also helped establish the Honey Bee Health Coalition, Keystone Monarch Collaborative and Missourians for Monarchs Collaborative and Ed serves on the steering committee of each. Ed is also a member of the Science Advisory Council of Field to Market looking at biodiversity issues in the sustainable agriculture chain. Ed, through the CNPC, has also begun a new program called Native Foods, Native Peoples, Native Pollinators focused on food security, food sovereignty and pollinator conservation on Native American Reservations.

<u>Jamie Strange</u> 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.

Orley "Chip" Taylor is the Director of Monarch Watch at the University of Kansas. Trained as an insect ecologist at the University of Connecticut, his research projects have included studies of reproductive isolating mechanisms in sulfur butterflies, reproductive and life history patterns in plants, comparative biology of European and African honey bees and migratory behavior of monarch butterflies. Starting in 1974, he established research sites and directed students studying Neotropical African honey bees (killer bees) in French Guiana, Venezuela, and Mexico. In 1992, Taylor founded Monarch Watch, an outreach program focused on education, research and conservation relative to monarch butterflies. Since then, Monarch Watch has enlisted volunteers to tag monarchs during the fall migration. Over 2.0 million monarchs have been tagged by volunteers. Of these, over 20 thousand tags have been recovered. This program has provided many new insights about the dynamics of the fall monarch migration.

<u>Barry Thompson</u> has kept honey bees since 1954 and Osmia since 2010, providing since 2000 pollination for orchards in Montgomery County, MD. Long active in local, state, national and international beekeeping/pollinate organizations, he joined NAPPC the second year of its existence. A physician-geneticist by training, Barry has an interest in genetic solutions to the problems of pollinators. He serves on the Honey Bee Health Task Force.

<u>Tom Van Arsdall</u> is the Pollinator Partnership's (P2) Director of Public Affairs. His advocacy efforts on behalf of P2 have been instrumental in the enactment of pollinator conservation and research provisions in the last two farm bills (2008 and 2014) and measures promoting pollinator habitat on right-of-ways in the 2015 FAST Act. He also networks with federal agency officials and helps build broad-based coalitions in support of pollinators. Tom helped represent P2 as a critical resource to the White House in laying the groundwork for the 2014 Presidential Memorandum on the Health of Honey Bees and Other Pollinators and the 2016 "Pollinator Partnership Action Plan."

<u>Dr. Kimberly Winter</u> is the NatureWatch National Program Leader for the U.S. Forest Service in Washington, D.C. She holds a Ph.D. in Wildlife Ecology and Management and a Master's degree in Ecological Anthropology, and initially came to DC working for NAPPC as International Coordinator. Kim seeks ways to bring the value of conservation to the public eye by promoting opportunities for people of diverse demographics to immerse themselves in nature through special events such as Pollinator Week and Bat Week, programs like freshwater snorkeling in streams, and through media using wildlife critter cams, videos, and songs; educational resources like the FSNatureLIVE Distance Learning series; and the NatureWatch website (www.fs.fed.us/naturewatch). Kim spends as much time as possible outdoors with her daughter, dogs, and beehive.

<u>Terry Witzel's</u> 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.

<u>Victoria Wojcik</u> 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.

<u>Grady Zuiderveen</u> is a Botanist and Presidential Management Fellow with the office of Forest Management, Rangeland Management, and Vegetation Ecology in Washington, DC. He works with the National Botany Program and the National Reforestation and Nursery System Program.