

Amy M. Iler
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Chicago Botanic Garden
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ACADEMIC APPOINTMENTS

- 2016– Conservation Scientist (Assistant-level) Glencoe, IL
Chicago Botanic Garden
- Adjunct Assistant Professor Evanston, IL
Northwestern University
- 2014–2016. Marie Curie-Cofund Research Fellow Aarhus, Denmark
Aarhus Institute of Advanced Studies
Aarhus University
- 2010–2014. Postdoctoral Research Associate College Park, MD
University of Maryland & Crested Butte, CO
Rocky Mountain Biological Laboratory
- 2009-2010. Instructor of Record Columbus, OH
The Ohio State University
Organismal Diversity Laboratory

EDUCATION

- 2005–2010. Ph.D. Evolution, Ecology, & Organismal Biology (*summa cum laude*) Columbus, OH
The Ohio State University
- 2001–2005. B.S. Conservation Science (*summa cum laude*) New Concord, OH
Muskingum College

PUBLICATIONS

- Post E, RB Alley, TR Christensen, M Macias-Fauria, BC Forbes, MN Gooseff, **AM Iler** *et al.* (2019) The Polar regions in a 2°C warmer world. *Science Advances* 5: eaaw9883
- Iler AM**, A Compagnoni, DW Inouye, JL Williams, PJ CaraDonna, A Anderson, TEX Miller. (2019) Reproductive losses due to climate change-induced earlier flowering are not the primary threat to plant population viability in a perennial herb. *Journal of Ecology* 107: 1931–1943

- Wang Q, Z Zhang, R Du, S Wang, **AM Iler** *et al.* (2019) Richness of plant communities plays a larger role than climate in determining responses of species richness to climate change. *Journal of Ecology* 107: 1944–955
- PJ CaraDonna, JL Cunningham, **AM Iler**. (2018) Experimental warming in the field delays phenology and reduces body mass and survival: implications for the persistence of a pollinator under climate change. *Functional Ecology* 16: 1206–1202
- Iler AM**, DW Inouye, NM Schmidt, TT Høye. (2017) Detrending phenological time series improves climate-phenology analyses and reveals evidence of plasticity. *Ecology* 98: 647–655
- Compagnoni A, AJ Bibian, BM Ochocki, HS Rogers, E Schultz, ME Sneek, BD Elder, **AM Iler**, DW Inouye, H Jacquemyn and TEX Miller. (2016) The effect of demographic correlations on the stochastic population dynamics of perennial plants. *Ecological Monographs* 86: 480–494
- Li XE, LL Jiang, FD Meng, SP Wang, HS Niu, **AM Iler** *et al.* (2016) Responses of sequential and hierarchical phenological events to warming and cooling in alpine meadows. *Nature Communications* 7: 12489
- Petry WK, JD Soule, **AM Iler**, A Chicas-Mosier, DW Inouye, TEX Miller, and KA Mooney. (2016) Sex-specific responses to climate change in plants alter population sex ratio and performance. *Science* 353: 69–71
- Iler AM**. Invited Book Review for *Ecology*. (2014) Post, Eric. 2013. Ecology of climate change: The importance of biotic interactions. Monographs in Population Biology Series, Number 52. Princeton University Press, Princeton, New Jersey. xxii + 373 p. \$59.50, ISBN: 978-0-691-14847-2
- Iler AM** and K Goodell. (2014) Relative floral density of an invasive plant affects pollinator foraging behavior on a native plant. *Journal of Pollination Ecology* 13: 174-183
- CaraDonna PJ*, **AM Iler***, and DW Inouye (2014) Shifts in flowering phenology reshape a subalpine plant community. *Proceedings of the National Academy of Sciences, USA* 111: 4916–4921 [Science Editor’s Choice Article]
*Authors contributed equally, listed alphabetically
- Iler AM**, DW Inouye, TT Høye, AJ Miller-Rushing, LA Burkle, and E Johnston. (2013) Maintenance of temporal synchrony between syrphid flies and their floral resources despite differential phenological responses to climate. *Global Change Biology* 19: 2348–2359
- Rafferty NE, PJ CaraDonna, LA Burkle, **AM Iler**, and JL Bronstein. (2013) Phenological overlap of interacting species in a changing climate: an assessment of available approaches. *Ecology & Evolution* 3: 3183–3193
- Iler AM**, TT Høye, DW Inouye, and NM Schmidt. (2013) Nonlinear phenological responses to climate: are species approaching their limits of phenological change? *Philosophical Transactions of the Royal Society B* 368: 20120489

Iler AM, TT Høye, DW Inouye, and NM Schmidt. (2013) Long-term trends mask variation in the direction and magnitude of short-term phenological shifts. *American Journal of Botany* 100: 1398–1406 [Invited contribution to special climate change issue.]

Iler AM and DW Inouye. (2013) Effects of climate change on mast-flowering cues in a clonal montane herb, *Veratrum tenuipetalum* (Melanthiaceae). *American Journal of Botany* 100: 519–525

McKinney AM, PJ CaraDonna, DW Inouye, B Barr, CD Bertelsen, and NM Waser. (2012) Asynchronous changes in phenology of migrating Broad-tailed Hummingbirds and their early-season nectar resources. *Ecology* 93: 1987–1993

Anderson J, DW Inouye, **AM McKinney**, RI Colautti, and T Mitchell-Olds. (2012) Phenotypic plasticity and adaptive evolution contribute to advancing flowering phenology in response to climate change. *Proceedings of the Royal Society of London B* 279: 3843–3852

Inouye DW and **AM McKinney**. (2012) Community Phenology. In Oxford Bibliographies Online: Ecology. Ed. David Gibson. New York: Oxford University Press.

McKinney AM and K Goodell. (2011) Plant pollinator interactions between an invasive and native plant vary between sites with different flowering phenology. *Plant Ecology* 212: 1025–1035

McKinney AM and K Goodell. (2010) Shading by invasive shrub reduces seed production and pollinator services in a native herb. *Biological Invasions* 12: 2751–2763

Goodell K, **AM McKinney**, and CH Lin. (2010) Pollen limitation and local habitat-dependent pollinator interactions in the invasive shrub *Lonicera maackii*. *International Journal of Plant Sciences* 171: 63–72

GRANTS, FELLOWSHIPS, & AWARDS

2019–2021. Anonymous Foundation. ‘Growing Plants of Concern, a community science rare plant monitoring program’. G. Kiefer (PI), A.M. Iler (co-PI), and G.M. Mueller (co-PI). **\$2,055,282**

2019–2020: Undergraduate Research Assistant Program Award, Northwestern University. ‘The effects of climate change on the phenology of species interactions.’ (student: Luke Liu). **\$2000**

2018–2019: Undergraduate Research Assistant Program Award, Northwestern University. ‘The effects of pollination levels on plant reproductive success.’ (student: Sean O’Brochta). **\$1800**

2018–2022. NSF DEB Award 1754518: ‘Addressing the missing link: uniting demographic life history theory and pollination biology to understand the ecological consequences of pollinator declines’. A.M. Iler (PI) and P.J. CaraDonna (co-PI). **\$460,511**

2014–2016. Marie Curie COFUND Fellowship. Aarhus Institute of Advanced Studies. Aarhus University, Denmark. ‘Mechanisms underlying interspecific variation in flowering responses to climate change: the roles of abiotic drivers and phenotypic plasticity’. **~ \$200,000**

2015. Rocky Mountain Biological Lab Research Fellowship. 'Phenology, floral albedo, & soil moisture: a positive feedback between vegetation and climate change?' **\$750**
2014. 10th Annual Early Career Scientists Symposium, University of Michigan. One of seven early career scientists nominated to present research and participate in a panel discussion on 'Humans as a Force of Ecological and Evolutionary Change'.
- 2014–2019. NSF LTREB Renewal, DEB 1354104: 'Drivers and consequences of phenological change at high altitudes'. Co-written with D. Inouye (PI), R. Irwin (co-PI), B. Inouye (co-PI), N. Underwood (co-PI), and B. Barr (co-PI). **\$450,000**
2009. Ray Travel Award. The Council of Graduate Students, The Ohio State University. **\$750**
2008. Alumni Grants for Graduate Student Research. The College of Arts and Sciences, The Ohio State University. 'Effects of invasive plants on pollination of native plants'. **\$1000**
2008. Supplemental Research Grant. The Office of the Executive Dean of the Colleges of the Arts and Sciences, The Ohio State University. 'The spatial scale of interactions between invasive and native plants for pollinators'. **\$200**
2007. Janice Carson Beatley Award for graduate student research. The Department of EEOB Beatley Fund, The Ohio State University. 'Effects of invasive plants on pollination of native plants'. **\$800**

PRESENTATIONS

Invited Seminars

(23 since 2009)

2019. University of California, Davis
Kellogg Biological Field Station
University of Wisconsin, Milwaukee
2017. Northern Illinois University
JMP Phenology Symposium, Chicago Botanic Garden
Morton Arboretum
2015. Ohio University
Chicago Botanic Garden
Dartmouth College
Ursinus College
Holden Arboretum
Utah State University
Purdue University
Rochester Institute of Technology
2014. University of Michigan: Early Career Scientist Symposium
Ohio State University Webinar (over 300 attendees)
Pace University

2013. Stanford University
USA National Phenology Network

2012. Rice University
Aarhus University (2)
Rocky Mountain Biological Laboratory

2009. Muskingum University

Invited Organized Session Talks (8 since 2010)

Iler AM and Tsong R*. (2018) Temporal variation in pollen limitation among individual plants. Ecological Society of America Annual Meeting. New Orleans, LA

Iler AM and Tsong R*. (2014) Consequences of intraspecific variation in flowering phenology: evidence for different flowering strategies. Joint British & French Ecological Society Conference. Lille, France *undergraduate author

Iler, AM. (2014) Intraspecific variation in plant reproductive schedules: individual flowering times & population-level flowering curves. Ecological Society of America Annual Conference. Sacramento, CA

Iler, AM, TEX Miller, JL Williams, DW Inouye. (2013) Positive and negative effects of climate change on the demography of a subalpine wildflower. Ecological Society of America Annual Conference. Minneapolis, MN

Iler AM, DW Inouye, NM Schmidt, TT Høye. (2012) Non-linear responses to climate: flowering phenology in snow-dominated environments. Tundra Change Conference. Aarhus, DK

McKinney AM et al. (2012) Asynchronous changes in phenology of migrating Broad-tailed Hummingbirds and their early-season nectar resources. Phenology & Conservation Symposium. Botanical Society of America Annual Conference. Columbus, OH

Rafferty NE, PJ CaraDonna, Burkle LA, **McKinney AM**, Bronstein JB. (2012) The phenology of species interactions in a changing world: an assessment and illustration of approaches. Botanical Society of America Annual Conference. Columbus, OH

Goodell K and **AM McKinney.** (2010) Invasions and plant-pollinator interactions. Ohio Invasive Plants Research Conference. Columbus, OH

Contributed Session Talks (22 since 2008)

Iler, AM, PJ CaraDonna, L Richardson, KC Pfeiler, L Richardson, KN Godfrey et al. (2019) Genotype accounts for intraspecific variation in the timing and duration of life cycle events in a dioecious willow species. Ecological Society of America Annual Meeting. Louisville, KY

Iler, AM, A Blazquez-Castro, H Steltzer. (2017) Phenology, flower albedo, and soil microclimate: a positive feedback between vegetation and climate change? Ecological Society of America Annual Meeting. Portland, OR

- Iler, AM**, TEX Miller, JL Williams, and DW Inouye. (2015) Population decline in response to climate change-induced earlier flowering phenology. British Ecological Society Annual Meeting. Edinburgh, Scotland
- Iler, AM**. (2015) Temporal variation in pollen limitation in subalpine plants. Scandinavian Association for Pollination Ecology annual conference. Silkeborg, Denmark
- Iler AM**, TT Høye, DW Inouye, and NM Schmidt. (2015) Evidence of phenotypic plasticity and spurious relationships in responses of flowering phenology to climate change. Ecological Society of America Annual Meeting. Baltimore, MD
- Iler AM** and TT Høye. (2015) The role of phenotypic plasticity in flowering phenology under climate change. OIKOS-DK Annual Meeting. Aarhus, Denmark
- Compagnoni A, Bibian AJ, Elderd BD, **Iler AM** et al. (2014) The effect of temporal heterogeneity on the dynamics of plant populations. Ecological Society of America Annual Meeting. Sacramento, CA
- Inouye, DW, and **AM Iler**. (2013) Phenological and ecological consequences of changes in winter snowpack. Annual meeting of the Ecological Society of Germany, Austria, and Switzerland (GfÖ). Potsdam, Germany
- CaraDonna, PJ, **AM Iler**, and DW Inouye. (2013) Shifts in flowering phenology, community-level patterns, and implications for pollinators. Ecological Society of America Annual Meeting. Minneapolis, MN
- Iler, AM** and DW Inouye. (2012) Phenology of species interactions in response to climate change: two case studies of plant-pollinator interactions using long-term data. AGU 2012. San Francisco, CA
- Inouye, DW and **AM Iler**. (2012) Phenological and ecological consequences of changes in winter snowpack. AGU 2012. San Francisco, CA
- Iler, AM**. (2012) Climate change and plant-pollinator temporal synchrony. Aarhus University Biodiversity Workshop. Femmøller, Denmark
- Inouye, DW and **AM Iler**. (2012) Interactions of light snowpack, early snowmelt, late frost, flowering, pollinators, and seed-eating animals. MtnClim 2012. Estes Park, CO
- McKinney AM** and DW Inouye. (2012) Long-term flowering phenology shifts in a sub-alpine plant community. Ecological Society of America Annual Meeting. Portland, OR
- Petry WK, **AM McKinney**, DW Inouye, KA Mooney, and JD Soule. (2012) Warming up to changing trait frequencies: Rapid, climate change-induced shifts in population sex ratios along an elevation gradient. Ecological Society of America Annual Meeting. Portland, OR
- Inouye DW, **McKinney AM**, et al. (2012) Asynchronous changes in phenology of migrating Broad-tailed Hummingbirds and their early-season nectar resources. North American Ornithological Conference. Vancouver, BC

- Inouye DW and **AM McKinney**. (2012) Long-term flowering phenology shifts in a sub-alpine plant community. Botanical Society of America Annual Conference. Columbus, OH
- McKinney AM** and DW Inouye. (2011) Flowering decisions in a clonal mast-flowering herb, *Veratrum tenuipetalum*. Ecological Society of America Annual Meeting. Austin, TX
- McKinney AM** (2010) Pollinator-mediated interactions between an invasive shrub and native herbs. Graduate Seminar. Rocky Mountain Biological Laboratory. Gothic, CO
- Goodell K, CH Lin, **AM McKinney**, B Bloetscher, S Byrd, and N Cavender. (2010) Restored and remnant habitat patches influence bee and butterfly communities in adjacent degraded habitat. Ecological Society of America Annual Meeting. Pittsburgh, PA
- McKinney AM** and K Goodell. (2009) Facilitation of pollination of a native herb attenuates with distance from a plant invasion front. Ecological Society of America Annual Meeting. Albuquerque, NM
- McKinney AM** (2008) Pollinator-mediated interactions between *Lonicera maackii* and native herbaceous perennials. Buckeye Ecologists Symposium. Columbus, OH

Posters

(7 since 2005)

- Inouye DW, **AM Iler**, AJ Miller-Rushing, LA Burkle, and E Johnston. (2012 & 2013) Increasing temporal synchrony between syrphid flies and their floral resources despite differential phenological responses to climate. Ecological Society of America Annual Meeting. Portland, OR; Annual meeting of the Ecological Society of Germany, Austria, and Switzerland (GfÖ). Potsdam, Germany
- Goodell K, CH Lin, **AM McKinney**, S Byrd, N Cavender. (2011) Can floral diversity rescue pollination services to prairie forbs on reclaimed mined land? Ecological Society of America Annual Meeting. Austin, TX
- McKinney AM** (2008) Pollinator-mediated interactions between an invasive shrub, *Lonicera maackii*, and native herbaceous perennials. Ecological Society of America Annual Meeting and The Ecology and Evolution of Plant-Pollinator Interactions Conference. Milwaukee, WI
- Goodell K and **AM Iler** (2007) Reproductive biology and habitat-dependent pollinator services in *Lonicera maackii*. Ohio Invasive Plants Research Conference. Delaware, OH
- Iler AM** (2005) A comparison of butterfly biodiversity between two habitats in an anthropogenically altered habitat in the Wilds, Cumberland, Ohio. Ohio Academy of Science Conference. Youngstown, OH

TEACHING & MENTORING

- *Courses taught*
 - 2017 – Plant Community Ecology (PBC 402/BioSci 349). Northwestern University
 - 2017 – Population & Community Ecology section of Field & Lab Methods (PBC 450). Northwestern University.

2009–10. Organismal Diversity Laboratory (EEOB 405.02; 4 sections). The Ohio State University

- *Mentor for Undergraduate Research, Rocky Mountain Biological Laboratory*
 - 2019. Undergraduate Independent Research Project, Carter Adamson. Effects of OTCs and exclusion bags on pollination of two subalpine herbs.
 - 2018. NSF REU mentor, Jessica Robledo. Effects of climate-driven changes in co-flowering on pollinator services in a subalpine plant species.
 - 2017. NSF REU mentor, A Sarah Walwema. Understanding the ecological consequences of phenological shifts: effects of floral albedo on soil microclimates and plant water stress.
 - 2014. Undergraduate Independent Research Project, Aaron Anderson. Experimental examination of early snowmelt-induced water stress in *Helianthella quinquenervis*: effects on demographic vital rates.
 - 2014. Undergraduate Independent Research Project, Rachel Tsong. Temporal variation in pollen limitation in *Hydrophyllum fendleri* (Hydrophyllaceae) individuals.
 - 2013. Undergraduate Independent Research Project, Brooke Palmer. Species-specific responses of plant traits to experimental warming.
 - 2013. NSF REU Project co-mentor, James Cunningham. Temporal patterns in plant-pollinator interaction networks throughout a growing season.
 - 2012. Undergraduate Independent Research Project, Samantha Bruce. Syrphid fly–flower associations along an elevation gradient in the Rocky Mountains.
 - 2012. Undergraduate Independent Research Project co-mentor, Valerie Milici. Factors relating to nesting activity in Megachilid bees.
 - 2011. Undergraduate Independent Research Project, Kari Spiegelhalter. The effects of climate change on plant traits and phenology of *Delphinium nuttallianum*.
- *Guest Lectures*
 - 2019. Effects of climate change on plant-pollinator interactions. Plant-Animal Interactions. University of Illinois Chicago
 - 2016. Climate Change and Biodiversity, University of Copenhagen
 - 2015. BIO 434/534 Population & Community Ecology, Humboldt State University
 - 2015. BIO 415 Ecology– Biogeochemical & Nutrient Cycles, Ursinus College
 - 2015. ENV5 301 Environmental Science Field Skills– Measuring primary production in montane ecosystems, Rochester Institute of Technology
 - 2014. ECOL 467/567 Pollination Biology– Global change & plant-pollinator interactions, University of Arizona
 - 2014. University of Ottawa Subalpine Field Ecology Course – Effects of climate change on plant population dynamics, Rocky Mountain Biological Laboratory
 - 2013. Western State Colorado University Ecology Course field trip– Climate change and the phenology of species-interactions, Rocky Mountain Biological Laboratory
 - 2013. University of Ottawa Subalpine Field Ecology Course – Phenology and mast-flowering Ecology, Rocky Mountain Biological Laboratory
 - 2013. ECOL 472/572 Plant Taxonomy– Co-lead a field botany overnight field trip, University of Arizona (UA)
 - 2012. ECOL/RNR 406 Conservation Biology– Guest lecture series on biological responses to climate change (two class periods and a plant biodiversity overnight field trip), UA
- 2006–2010. *Graduate Teaching Associate, The Ohio State University*
 - EEOB 661 Conservation Biology
 - EEOB 410 Animal Form & Function (2)
 - EEOB 400 Evolution (2)

EEOB 370 Extinction (2)
EEOB 232 Human Physiology (4)
BIO 101 Introductory Biology for non-majors (2)

SERVICE

- *Editorial Board Member*
2015–2019. Associate Editor for Journal of Ecology. Subject area: population & community ecology (phenology, invasive species, climate change, and pollination)
- *Board of Trustees*
2020–2023. Board member of the Rocky Mountain Biological Laboratory.
- *Manuscript Reviewer*
Total manuscripts reviewed: 55
2020. Journal of Ecology
2019. PNAS, Trends in Ecology & Evolution, Functional Ecology, Journal of Ecology (2)
2018. Journal of Animal Ecology (2), Ecology Letters, Functional Ecology
2017. American Journal of Botany, Journal of Animal Ecology, Ecology Letters (2)
2016. Ecology Letters, Plant Ecology & Evolution
2015. Plant Ecology, Global Ecology & Biogeography, Functional Ecology, American Journal of Botany, Methods in Ecology & Evolution (2)
2014. Global Change Biology, PLOS ONE, Ecology (2), Oikos (3), New Phytologist, Annals of Botany, Current Zoology (2), Population Ecology (2), Functional Ecology, Biological Conservation
2013. Journal of Ecology (2), New Phytologist (2), Basic and Applied Ecology (2), American Journal of Botany, Functional Ecology, International Journal of Biometeorology (2)
2012. Proceedings of the Royal Society of London B, American Journal of Botany, Biological Invasions, Functional Ecology
2011. Ecology, Journal of Ecology, Diversity & Distributions
2010. International Journal of Plant Sciences
- *Proposal Reviewer*
2017. External Reviewer, National Geographic Society
2016. External reviewer, USA National Science Foundation
2012–2013. USA National Science Foundation, REU Proposals, RMBL
2012. External reviewer, USA National Science Foundation
2011. Reviewer, Encyclopedia of Life Rubenstein Fellowship Proposals
2011. Review Panelist, USA National Science Foundation
- *Educational Outreach*
2019. Featured Guest on CBG Podcast, “Botanical Mystery Tour”. Episode 7: Harry Potter and Magical Plants
2018. Speaker at WiSTEM monthly meeting at Chicago Lab School, Chicago, IL
2017. Speaker & Panelist at The Chicago Network event for high school women: “Female Scientists from Plants to Planets” Chicago, IL
2015. ‘Friday’s in the Garden’ public lecture series, Cleveland Botanical Garden, OH
Led a visual design workshop for undergraduate/graduate students. RMBL, Gothic, CO
2014. Taught two public adult education programs: The importance of timing in ecology & Responses of plants and animals to climate change. RMBL, Gothic, CO

- Educated 3rd graders about pollination as an ecosystem service for Sam Hughes Elementary School Earth Day program, Tucson, AZ
Taught outdoor education sessions on pollination & seed dispersal at Kid's Nature Camp, RMBL, Gothic, CO
2013. Taught a biological responses to climate change workshop for the public during Geek Week at RMBL, Gothic, CO
Taught outdoor education sessions on pollination at Kid's Nature Camp, RMBL, Gothic, CO
2012. Arizona Insect Festival Volunteer, Pollination Station, Univ. Arizona, Tucson, AZ
Taught outdoor education sessions on pollination at Kid's Nature Camp, RMBL, Gothic, CO
Co-taught a workshop titled 'The Heat is On' at an Expanding Your Horizons conference targeting middle school girls & science careers, Seattle Univ., Seattle, WA
2011. Taught a one-day field biology course to Crested Butte 7th grade class: stream properties station, RMBL, Gothic, CO
Led a wildflower walk for citizens during the Crested Butte Wildflower Festival, RMBL, Gothic, CO
Taught outdoor education sessions on pollination at Kid's Nature Camp, RMBL, Gothic, CO
2010. Girls Excelling in Math & Science (GEMS) club presentation on a career as a biologist, Daniel's Run Elementary School, Fairfax, VA
Led an invasion biology and bee natural history field trip for students enrolled in the Columbus College of Art & Design biology course
- *Professional Service*
- 2020 – Master's Admissions Committee; Chicago Botanic Garden (CBG) /Plant Biology & Conservation, Northwestern University
2020. CBG Gender Diversity in STEM committee; organized a campaign to highlight underrepresented genders in STEM in the Plant Science Department
- 2019 – CBG Welcoming Committee: created a website for new hires and initiated a new faculty mentoring program
- 2018 – Science Director of Plants of Concern, a statewide rare plant monitoring program, CBG
- 2018 – Climate Change Committee & Climate Change Adaptation Plan Working Group, Chicago Wilderness
- 2018 – Pollinators Committee for annual Science Festival, CBG
- 2018 – WiSTEM (Women in STEM) National Advisory Board Member
- 2018 – Finance Committee, Rocky Mountain Biological Laboratory (RMBL)
- 2017 – 2019. Bees & Beyond marketing committee, CBG
- 2017 – 2019. Bees & Beyond core planning committee, a garden-wide theme for 2019, CBG
- 2016 – 2018. Project Budburst committee member, CBG
2013. Invited member, Borderlands Restoration Initiative working group, Santa Rita Experimental Range
2012. Invited member to the 2nd annual National Phenology Network working group meeting
2011. Review committee for the Editor-in-Chief, Bulletin of the Ecological Society of America
- 2007–2009. Elected as Graduate Ecology & Evolution Students social committee chair, OSU
- 2006–2007. Elected as Graduate Ecology & Evolution Students fundraising chair, OSU

PROFESSIONAL DEVELOPMENT

- 2020. Tidyverse in R Workshop. Northwestern University
- 2015. Visual Design Principles for Scientific Data Workshop. By Martin Krzywinski. Århus, DK
- 2014. Science Teaching Pedagogy Workshop. By Dr. Ed Prather. Univ. Arizona
- 2012. Science Communication Workshop. Led by Dr. Pat Kociolek. RMBL
- 2011. AIC and Model Selection: two-day statistical workshop. Led by Dr. David Anderson. University of Maryland
- 2010. Science: Becoming the Messenger workshop. One day NSF workshop on communicating science to the public. George Washington University
- 2009. Teaching introductory biology seminar. Led by Dr. Diane Ebert-May. Ohio State Univ. Suicide prevention training. Ohio State Univ. Center for Teaching & Learning

MEDIA COVERAGE OF RESEARCH

- *Printed news*: New York Times, Science News, Los Angeles Times, Earthweek: A Diary of the Planet, Seattle Conservation Magazine, & various local newspapers
- *Online news*: Time Magazine, The Christian Science Monitor, National Geographic News, New York Times (2), LA Times, Mother Jones/Climate Desk/Grist, Scientific American, NBC (USA National Broadcasting Corporation), Live Science, AAAS (American Association for the Advancement of Science) blog, Salon, Climate Wire, High Country News blog (The Goat), French Tribune, Europa Press
- *Press releases*: National Science Foundation (3), Univ. Maryland (2), Univ. Arizona
- *Radio coverage*: NPR Worldview, Public Radio International (USA), iSeeChange Climate Change Radio Report: featured in Yale's Forum on Climate & the Environment
- *Television coverage*: Local Seattle Television News coverage of the Urban Pollination Project