

# Amy M. Iler (McKinney)

Conservation Scientist  
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## ACADEMIC APPOINTMENTS

2016– Conservation Scientist (Assistant-level)

## PUBLICATIONS

Compagnoni A, AJ Bibian, BM Ochocki, HS Rogers, E Schultz, ME Sneek, BD Elder, AM Iler, DW Inouye, H Jacquemyn and TEX Miller. (in press) The effect of demographic correlations on the stochastic population dynamics of perennial plants. *Ecological Monographs* DOI: 10.1002/ecm.1228

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



## PRESENTATIONS

### *Invited Seminars*

(18 since 2009)

- 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.

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

*Contributed Session Talks*

(20 since 2008)

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 Conference. 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 Conference. Sacramento, CA

Inouye, DW, and AM Iler. (2013) Phenological and ecological consequences of changes in winter snowpack.

Inouye DW, McKinney AM, et al. (2012) Asynchronous changes in phenology of migrating  
Broad-tailed Hummingbirds and their early- 

## TEACHING & MENTORING

- *Mentor for Undergraduate Research, Rocky Mountain Biological Laboratory*  
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 Research Experience for Undergraduates 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 Lecturer, University of Copenhagen*  
2016. Climate Change and Biodiversity
- *Guest Lecturer, Ursinus College*  
2015. BIO 415 Ecology– Biogeochemical & Nutrient Cycles
- *Guest Lecturer, Rochester Institute of Technology*  
2015. ENVS 301 Environmental Science Field Skills– Measuring primary production in montane ecosystems
- *Guest Lecturer, Rocky Mountain Biological Laboratory*  
2014. University of Ottawa Subalpine Field Ecology Course – Effects of climate change on plant population dynamics  
2013. Western State Colorado University Ecology C

EEOB 232 Human Physiology (4)



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 7<sup>th</sup> 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,