

# Krissa A. Skogen, Ph.D.

Associate Professor, Department of Biological Sciences  
Clemson University 132 Long Hall Clemson, SC 29634

Office: 350 Long Hall [kskogen@clemson.edu](mailto:kskogen@clemson.edu)  
Lab: 118 Jordan Hall [skogenlab.org](http://skogenlab.org)

Adjunct Associate Professor, Graduate Program in Plant Biology and Conservation  
Northwestern University & Chicago Botanic Garden

## EDUCATION

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- 2008 Ph.D. Ecology and Evolutionary Biology, University of Connecticut. Storrs, CT  
Declining *Desmodium cuspidatum* (Muhl.ex Willd.) DC. Ex Loudon, Multiple approaches to a unique conservation problem. K. Holsinger (major advisor)
- 2000 B.A. Biology, Minors: Women's Studies, Geography. Gustavus Adolphus College. St. Peter, MN

## PROFESSIONAL APPOINTMENTS

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- 2022 – Present Clemson University. Department of Biological Sciences. Associate Professor
- 2013 – Present Northwestern University. Plant Biology and Conservation. Adjunct Associate Professor
- 2013 – 2022 Chicago Botanic Garden. Associate Conservation Scientist
- 2008 – 2019 Chicago Botanic Garden. Manager [Conservation & Land Management Internship Program](#)
- 2008 – 2013 Chicago Botanic Garden. Assistant Conservation Scientist
- 2008 – 2013 Northwestern University. Plant Biology and Conservation. Adjunct Assistant Professor

## LEADERSHIP APPOINTMENTS

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- 2020 – 2026 [American Institute of Biological Sciences](#) Board Member
- 2020 – 2022 [Linda Loring Nature Foundation](#) Research Advisory Board Member
- 2019 – 2022 [Plant Conservation Alliance – Non-Federal Cooperators Committee](#). Co-chair
- 2017 – 2023 [Botanical Society of America](#) Public Policy Committee. Co-chair
- 2020 – 2021 [Botanical Society of America Strategic Planning Committee](#) Member
- 2018 – 2019 [Homeward Bound Project for Women in Science](#) HB4 Team, Worldwide / Antarctica
- 2007 [Environmental Leadership Program](#) Senior Fellow, New England Regional Network

## AWARDS / HONORS

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- 2016 Public Policy Award, Botanical Society of America
- 2010 Employee of Distinction, Chicago Botanic Garden
- 2008 Outstanding Academic Achievement, University of Connecticut - Provost's Commission on the Status of Women & The Women's Center
- 2006 Alternate Fellow, Robert and Patricia Switzer Foundation
- 2004 Outstanding Teaching Assistant, Nominee. University of Connecticut. Ecology & Evolutionary Biology Department
- 2000 Special Recognition Award, Gustavus Adolphus College, Biology Department

## RESEARCH FUNDING

**Total: \$3,966,909; To K. Skogen/CBG: \$2,929,747**

- 2020 Bureau of Land Management. Contract: Testing species boundaries and the impacts of land-use change in *Amsonia* (Apocynaceae) using population genomics, phylogenomics, and reproductive biology. **Lead PI: K. Skogen**. Co-PIs: J. Fant and N. Wickett. \$265,000.

- 2020 National Fish and Wildlife Foundation: Exploring the impacts of oil and gas development on pollination and reproduction of the rare Tharp's bluestar, *Amsonia tharpii* (NM, TX). **Lead PI: K. Skogen**. CO-PI: J. Fant. \$62,942
- 2018 National Science Foundation: Unlocking the evolutionary history of a rapid Hawaiian Islands radiation with extraordinary breeding system diversity. DEB 1752785. PIS: A. Sakai, S. Weller (UC Irvine); N. Wickett (CBG); M. Moore (Oberlin College); W. Wagner (Smithsonian Institution). Senior Personnel: **K. Skogen**, L. Weisenberger. Total: \$1,065,581; CBG: \$471,491
- 2013 National Science Foundation: Dimensions of Biodiversity. Landscapes of linalool: scent-mediated diversification of flowers and moths across western North America. DEB 1342873 **Lead PI: K. Skogen**. Co-PIs: J. Fant, N. Wickett (CBG); R. Raguso (Cornell University); R. Levin (Amherst College). 2013. Total: \$1,988,555; CBG: \$1,545,483
- 2011 National Science Foundation MRI: Acquisition of a seed x-ray machine at Chicago Botanic Garden. DBI 1125997. Lead PI: K. Havens, Co-PIs: P. Vitt, S. Wagenius, **K. Skogen**, J. Fant. \$136,597
- 2009 National Science Foundation MRI: Acquisition of Conservation Geographic Information Systems (GIS) DBI 0922995. Instrumentation. Lead PI: K. Havens, Co-PIs: P. Vitt, D. Larkin, **K. Skogen**, and J. Fant. \$305,389
- 2009 National Fish and Wildlife Foundation, Native Plant Conservation Initiative. Co-PIs: J. Fant, D. Larkin, **K. Skogen**, E. Yates. \$40,000
- 2008 Colorado Native Plant Society, Steinkamp Research Grant. \$800.
- 2006 Environmental Protection Agency, Science to Achieve Results Graduate Fellowship. \$110,000  
National Science Foundation, Doctoral Dissertation Improvement Grant. \$11,990
- 2005 Torrey Botanical Society, Research Fellowship. \$2,500  
Center for Conservation and Biodiversity, University of Connecticut. Research Grant. \$750
- 2004 Botanical Society of America, Karling Graduate Student Research Award. \$500
- 2004 New England Botanical Club, Graduate Research Grant. \$1,055  
Center for Conservation and Biodiversity, University of Connecticut. Research Grant. \$750
- 2003-2007 Ronald Bamford Endowment, Graduate Research Grant. University of Connecticut. \$5,000
- 2003 Summer Institute in Statistical Genetics, North Carolina State University, NC. Scholarship. \$1,000
- 2003 National Science Foundation & New England Wild Flower Society.  
Conservation Biology Fellow. \$4,000
- 1999 Sigma Xi Scientific Research Society, Research Grant. \$500

**FEDERAL & NON-PROFIT GRANT & PROGRAM MANAGEMENT** **Total: \$28.5+ Million**

**2008 – 2019 [Conservation and Land Management Internship Program](#)**

Coordinated federal funding (Assistance and Cooperative Agreements) for **1,160+ interns** participating in the Conservation and Land Management Internship Program with federal and non-profit partners including Bureau of Land Management (BLM), Botanic Garden Conservation International (BGCI), Center for Plant Conservation (CPC), Greenbelt Native Plant Center (GNPC), National Park Service (NPS), USDA Forest Service (FS), US Fish and Wildlife Service (FWS), USDA Forest Service (FS), and US Geologic Survey (USGS). Managed proposals, awards, and budgets, support staff (CLM Program Coordinator & Program Assistants). Led recruitment, application procedures, interviewing, hiring, data management, training and career development for all interns

- 2019 Total funding: \$750,000; 33 interns  
BLM (21 interns), FS (6 interns), FWS (3 interns)
- 2018 Total funding: \$1.43 million; 65 interns  
BLM (52 interns), NPS (1 intern), FS (10 interns), FWS (2 interns)
- 2017 Total funding: \$4.05 million; 137 interns  
BLM (123 interns), NPS (1 intern), FS (10 interns), FWS (2 interns), USGS (1 intern)

- 2016 Total funding: \$3.6 million; 128 interns  
BLM (117 interns), NPS (3 interns), FS (5 interns), FWS (3 interns)
- 2015 Total funding: \$3.6 million; 119 interns  
BLM (100 interns), NPS (3 interns), FS (8 interns), FWS (3 interns), USGS (4 interns),  
GNPC (1 intern)
- 2014 Total funding: \$2.7 million; 123 interns  
BLM (109 interns), NPS (1 interns), FS (6 interns), FWS (2 interns), USGS (4 interns),  
GNPC (1 intern)
- 2013 Total funding: \$2.3 million; 88 interns  
BLM (76 interns), NPS (3 interns), FWS (4 interns), USGS (4 interns), GNPC (1 intern)
- 2012 Total funding: \$2.5 million; 95 interns  
BLM (88 interns), NPS (2 interns), FS (1 intern), FWS (3 interns), USGS (2 interns),  
GNPC (1 intern)
- 2011 Total funding: \$2.2 million; 99 interns  
BLM (81 interns), NPS (2 interns), FS (6 interns), FWS (2 interns), USGS (2 interns), CPC (4 interns)
- 2010 Total funding: \$2.8 million; 134 interns  
BLM (128 interns), NPS (5 interns), BGCI (1 intern)
- 2009 Total funding: \$1.6 million; 84 interns  
BLM (64 interns), NPS (14 interns), FS (4 interns), BGCI (2 interns)
- 2008 Total funding: \$990,000; 55 interns  
BLM (54 interns), NPS (1 intern)

#### PEER-REVIEWED PUBLICATIONS (\*postdocs, \*students)

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31. Ksiazek-Mikenas, K., V. B. Chaudhary, **K. A. Skogen**. In revision. Native plant communities provide enhanced stormwater capture and evapotranspiration compared to *Sedum* on green roofs. *Urban Ecosystems*.
30. Diaz-Martin, Z.<sup>+</sup>, A. Cisternas-Fuentes\*, K. M. Kay, R. A. Raguso, **K. A. Skogen**, and J. B. Fant. In revision. Shifts in reproductive strategies and their consequences for divergence, gene flow, and genetic diversity. *Heredity*.
29. Overson<sup>+</sup>, R. P., M. G. Johnson, L. L. Bechen\*, S. P. Kinosian<sup>+</sup>, N. A. Douglas, J. B. Fant, P. C. Hoch, R. A. Levin, M. J. Moore, R. A. Raguso, W. L. Wagner, **K. A. Skogen**, N. J. Wickett. In press. A phylogeny of the evening primrose family (Onagraceae) using a target enrichment approach with 303 nuclear loci. *BMC Ecology and Evolution*.
28. Li\*, B., J. Fant, J. Zeldin, **K. Skogen**, and K. Havens. Accepted. Genetic and floral trait changes in *Oenothera organensis* (Onagraceae) during long-term *ex situ* cultivation. *International Journal of Plant Sciences*.
27. Lewis\*, E. M., J. B. Fant, M. J. Moore, and **K. A. Skogen**. Accepted. Hawkmoth and bee pollinators impact pollen dispersal at the landscape but not local scales in two species of *Oenothera* (Onagraceae). Special Issue "Pollen as the link between phenotype and fitness," *American Journal of Botany*. <https://doi.org/10.1002/ajb2.16156> **Open Access**.
26. Wenzell\*, K. E., **K. A. Skogen**, and J. B. Fant. 2023. Range-wide floral trait variation reflects shifts in pollinator assemblages, consistent with pollinator-mediated divergence despite generalized visitation. *Oikos*. e09708. [10.1111/oik.09708](https://doi.org/10.1111/oik.09708) **Open Access**.
25. Cooper\*, B. J., M. J. Moore, N. A. Douglas, W. L. Wagner, M. G. Johnson, R. P. Overson<sup>+</sup>, S. P. Kinosian<sup>+</sup>, A. J. McDonnell<sup>+</sup>, R. A. Levin, R. A. Raguso, H. F. Olvera, H. Ochoterena, J. B. Fant, **K. A. Skogen**, and N. J. Wickett. 2022. Target enrichment and extensive population sampling help untangle the recent, rapid radiation of *Oenothera* sect. *Calylophus*. *Systematic Biology*. Syac032. <https://doi.org/10.1093/sysbio/syac032>

24. Cisternas Fuentes, A.\*, T. Jogesh<sup>†</sup>, G. T. Broadhead\*, R. A. Raguso, **K. A. Skogen**, and J. B. Fant. 2022. Evolution of the selfing syndrome and its influence on genetic diversity and inbreeding: A range-wide study in *Oenothera primiveris* (Onagraceae). *American Journal of Botany*. 109(5):1-17. <https://doi.org/10.1002/ajb2.1861>
23. Balbuena<sup>†</sup>, M., G. Broadhead\*, A. Dahake\*, E. Barnett\*, M. Verrera\*, **K. Skogen**, T. Jogesh<sup>†</sup>, and R. Raguso. 2022. Mutualism has its limits: consequences of asymmetric interactions between a well-defended plant and its herbivorous pollinator. Invited submission for special issue "From chemistry to landscapes: natural processes influencing pollinator health." *Philosophical Transactions of the Royal Society B*. 377: 20210166. <https://doi.org/10.1098/rstb.2021.0166>
22. **Skogen, K.**, T. Jogesh<sup>†</sup>, E. Hilpman\*, S. Todd\*, and R. Raguso. 2022. Extensive population-level sampling reveals clinal variation in (R)-(-)-linalool produced by the flowers of an endemic evening primrose, *Oenothera harringtonii*. *Phytochemistry*. 200: 113185 <https://doi.org/10.1016/j.phytochem.2022.113185>
21. Bechen\*, L., M. Johnson<sup>†</sup>, G. Broadhead\*, R. Levin, R. Overson<sup>†</sup>, T. Jogesh<sup>†</sup>, J. Fant, R. Raguso, **K. Skogen**, N. Wickett. 2022. Differential gene expression associated with a floral scent polymorphism in the evening primrose *Oenothera harringtonii* (Onagraceae). *BMC Genomics*. 23(1): 124. <https://doi.org/10.1186/s12864-022-08370-6>
20. Patsis\*, A., R. Overson<sup>†</sup>, **K. Skogen**, N. Wickett, M. Johnson, W. Wagner, R. Raguso, J. Fant, and R. Levin. 2021. Elucidating the evolutionary history of *Oenothera* Sect. *Pachylophus* (Onagraceae): A phylogenetic approach. *Systematic Botany*. 46(3): 799-811. <https://doi.org/10.1600/036364421X16312067913471>
19. Ksiazek-Mikenas\*, K., Chaudhary, B. Larkin, D., and **K. Skogen**. 2021. A habitat analog approach establishes native plant communities on green roofs. *Ecosphere*. 12(9): e03754 <https://doi.org/10.1002/ecs2.3754>
18. Wenzell\*, K. E., A. J. McDonnell<sup>†</sup>, N. J. Wickett, J. B. Fant, and **K. A. Skogen**. 2021. Incomplete reproductive isolation and low genetic differentiation despite floral divergence across varying geographic scales in *Castilleja*. *American Journal of Botany* 108(7): 1–19. <https://doi.org/10.1002/ajb2.1700> **Open Access**.
17. **Skogen, K.**, R. Overson<sup>†</sup>, E. Hilpman\*, and J. Fant. 2019. Hawkmoth pollination facilitates long distance pollen dispersal and reduces isolation across a gradient of land-use change. *Annals of the Missouri Botanical Garden*. 104(3): 495-511. <https://doi.org/10.3417/2019475> **Open Access**.
16. Mikenas\*, K., J. Fant, and **K. Skogen**. 2019. Pollinator-mediated gene flow connects green roof populations across the urban matrix: a paternity analysis of the self-compatible forb *Penstemon hirsutus*. *Frontiers in Ecology and Evolution*. 7: 299. DOI: [10.3389/fevo.2019.00299](https://doi.org/10.3389/fevo.2019.00299) **Open Access**.
15. Bruzzese\*, D. J., D. L. Wagner, T. Harrison, T. Jogesh<sup>†</sup>, R. P. Overson<sup>†</sup>, N. J. Wickett, R. A. Raguso, and **K. A. Skogen**. 2019. Diversification in the microlepidopteran genus *Mompha* (Lepidoptera: Gelechioidea: Momphidae) is explained more by tissue specificity than host plant family. *PLoS ONE*. 14(6): e0207833. <https://doi.org/10.1371/journal.pone.0207833> **Open Access**.
14. Jogesh, T., G. T. Broadhead\*, R. A. Raguso, and **K. A. Skogen**. 2018. Intraspecific floral diversity in the California evening primrose, *Oenothera californica* subsp. *avita*. [Mojave National Preserve Science Newsletter](https://doi.org/10.1002/ajb2.1700). 12-16.
13. Rhodes, M. K.\*, J. B. Fant, and **K. A. Skogen**. 2017. Pollinator identity and spatial isolation influence multiple paternity in an annual plant. *Molecular Ecology*. 26(16): 4296- 4308. [doi:10.1111/mec.14115](https://doi.org/10.1111/mec.14115)
12. Jogesh<sup>†</sup>, T., R. P. Overson<sup>†</sup>, R. Raguso, and **K. A. Skogen**. 2017. Herbivory as an important selective force in the evolution of floral traits and pollinator shifts in a clade of evening primroses, *Oenothera* sect. *Calylophus* (Onagraceae). *AoB Plants*. 9(1) [doi:10.1093/aobpla/plw088](https://doi.org/10.1093/aobpla/plw088) **Open Access**.

11. **Skogen, K. A.**, T. Jogesh<sup>†</sup>, E. T. Hilpman\*, S. L. Todd\*, M. K. Rhodes\*, S. Still, and J. B. Fant. 2016. Land-use change has no detectable effect on reproduction in a disturbance-adapted plant pollinated by long-distance dispersing hawkmoths. *American Journal of Botany*. 103(11):1950-1963. [doi:10.3732/ajb.1600302](https://doi.org/10.3732/ajb.1600302) [Open Access](#).
10. Lewis, E. M.\* , J. B. Fant, M. J. Moore, A. P. Hastings, E. L. Larson, A. Agrawal, and **K. Skogen**. 2016. Microsatellites for *Oenothera gayleana* and *O. hartwegii* subsp. *filifolia* (Onagraceae) and their utility in section *Calylophus*. *Applications in Plant Sciences*. 4(2). [doi: 10.3732/apps.1500107](https://doi.org/10.3732/apps.1500107)
9. Barak, R.\* , J. Fant, A. Kramer, and **K. Skogen**. 2015. Assessing the value of potential "native winners" for restoration of cheatgrass-invaded habitat. *Western North American Naturalist*. 75:58-69. [doi: 10.3398/064.075.0107](https://doi.org/10.3398/064.075.0107).
8. Rhodes, M.\* , J. Fant, and **K. Skogen**. 2014. Local topography shapes fine-scale spatial genetic structure in the Arkansas Valley evening primrose, *Oenothera harringtonii* (Onagraceae). *Journal of Heredity*. 105:900-909. [doi: 10.1093/jhered/esu051](https://doi.org/10.1093/jhered/esu051) [Open Access](#).
7. Ksiazek\*, K., J. Fant, and **K. Skogen**. 2014. Native forbs produce high quality seeds on Chicago green roofs. *Journal of Living Architecture*. [http://livingarchitecturemonitor.com/JOLA/JOLA2014\\_Volume1\\_Issue2\\_Ksiazek\(etal\).pdf](http://livingarchitecturemonitor.com/JOLA/JOLA2014_Volume1_Issue2_Ksiazek(etal).pdf)
6. Fant, J., H. Weinberg-Wolf\*, D. Tank and **K. Skogen**. 2013. Characterization of 12 microsatellite markers in *Castilleja sessiliflora* and transferability to other *Castilleja* species. *Applications in Plant Sciences*. 1(6):1200564. [doi: 10.3732/apps.1200564](https://doi.org/10.3732/apps.1200564)
5. Ksiazek\*, K., J. Fant and **K. Skogen**. 2012. An assessment of pollen limitation on Chicago green roofs. *Landscape and Urban Planning*. 107(4):401-408. [doi: 10.1016/j.landurbplan.2012.07.008](https://doi.org/10.1016/j.landurbplan.2012.07.008)
4. **Skogen, K.**, E. Hilpman\*, S. Todd\*, and J. Fant. 2012. Microsatellite primers in *Oenothera harringtonii* (Onagraceae), an annual endemic to the shortgrass prairie of Colorado. *American Journal of Botany Primer Notes and Protocols in the Plant Sciences*. 99(8):e313-6. [doi:10.3732/ajb.1200003](https://doi.org/10.3732/ajb.1200003)
3. **Skogen, K.**, K. Holsinger, and Z. Cardon. 2011. Nitrogen deposition and the decline of a regionally threatened legume, *Desmodium cuspidatum*. *Oecologia*. 165(1):261-269. [doi: 10.1007/s00442-010-1818-7](https://doi.org/10.1007/s00442-010-1818-7)
2. **Skogen, K.**, L. Senack\*, and K. Holsinger. 2010. Dormancy, small seed size and low germination rates contribute to low recruitment in *Desmodium cuspidatum* (Fabaceae). *Journal of the Torrey Botanical Society*. 137(4):355-365. [doi: 10.3159/10-RA-003.1](https://doi.org/10.3159/10-RA-003.1)
1. Johnson-Groh, C., C. Riedel, L. Schoessler and **K. Skogen**. 2002. Belowground distribution and abundance of *Botrychium* gametophytes and juvenile sporophytes. *American Fern Journal* 92(2):80-92. [https://doi.org/10.1640/0002-8444\(2002\)092\[0080:BDAAOB\]2.0.CO;2](https://doi.org/10.1640/0002-8444(2002)092[0080:BDAAOB]2.0.CO;2)

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#### NON-PEER REVIEWED PUBLICATIONS AND REPORTS

- Croslan, D., G. Chavarria, R. Nakamura, J. Pandey, S. Pickett, C. Podry, **K. Skogen**, M. Zaka, and S. Gallo. 2021. AIBS Diversity Plan. *BioScience*. <https://doi.org/10.1093/biosci/biab026>
- Skogen, K.**, and K. Tuominen. 2019. Public policy news – Engage in botanical science advocacy. *Plant Science Bulletin*. 65(1)
- Skogen, K.**, and K. Tuominen. 2018. Be an effective advocate for plants: Lessons from the Botany Bill (H.R. 1054) and what you can do! *Plant Science Bulletin*. 63(3)
- Tienes, M.\* , **K. Skogen**, P. Vitt and K. Havens. 2010. Optimal monitoring of rare plant populations - Report for the USDA Forest Service

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#### INVITED SEMINARS AND TALKS

- 2023 Department of Biological Sciences. University of South Carolina, Columbia.
- 2022 Biology Department Seminar. University of Minnesota, Duluth.

- 2020 Plant Science Decadal Vision, 2020-2030 – Why Ecologists Should Care About It. Ecological Society of America Conference, virtual
- 2020 Biology Department Seminar. The College of Wooster. Wooster, OH
- 2019 Department of Biological Sciences Seminar. University of Arkansas. Fayetteville, AR
- 2018 65<sup>th</sup> Annual Fall Symposium – Biota of North America: what we know, what we don't know and what we're losing. Missouri Botanical Garden. St. Louis, MO
- 2018 Botany Seminar. Rancho Santa Ana Botanic Garden. Claremont, CA. **Graduate Student Invited**
- 2018 Biology Department Seminar. Univ. of Wisconsin-Milwaukee. Milwaukee, WI
- 2017 Biology Department Seminar. Texas Tech University. Lubbock, TX
- 2016 Biology Department Seminar. Lake Forest College. Lake Forest, IL
- 2015 Green Matters 2015 Symposium – Protecting our Pollinators. Brookside Gardens and Montgomery Parks, Maryland. Silver Spring, MD
- 2015 Ecology and Evolution Department Seminar. University of Illinois – Chicago. Chicago, IL
- 2014 Entomology Department Seminar. University of Wisconsin – Madison. Madison, WI
- 2014 Plant Science Symposium. The Field Museum, Chicago, IL
- 2014 Biology Department Seminar Oberlin College, Oberlin, OH
- 2013 Biology Department Seminar. University of Wisconsin, Whitewater. Whitewater, WI
- 2013 Biology Department Seminar. Bucknell University, Lewisburg, PA. **Hosted by BSA Student Chapter**
- 2010 Botany Department Seminar. The Field Museum. Chicago, IL
- 2008 Biology Department Seminar. Lawrence University, Appleton, WI
- 2008 Biology Department Seminar. Central Connecticut State University, New Britain, CT

#### **INVITED OUTREACH / ENGAGEMENT EVENTS**

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- 2021 UN Women Leadership Forum - The Future of STEM. Virtual Panelist
- 2020 [GirlConChicago](#) – Annual Chicago-based conference for high school students identifying as female/non-binary. Invited scientist – Q &A on being a woman in STEM. Virtual Session
- 2020 Insights on Women in STEMM & Antarctic Expedition. Hosts: Wooster Women in STEM, MiSTEM, and the STEM Success Initiative. College of Wooster. Wooster, OH
- 2015 Work-life Balance in Academia, Panelist. Northwestern University. Co-hosted by Graduate Women Across Northwestern, Association for Women in Chemistry, and Women in Philosophy. Evanston, IL
- 2013 Woman in Science, Pollinators and Pollination. YWCA Lake County Tech GYRLS summer program -2015 and Catherine Cook School, Chicago, IL

#### **TEACHING EXPERIENCE**

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##### **BIOL SCI 3040/H3040: Biology of Plants, Instructor**

Winter 2023 Department of Biological Sciences, Clemson University

##### **BIOL SCI 335/PBC 451: Current Topics in Ecology and Conservation, Instructor**

Winter 2009 - 2011, Fall 2011 – 2021 Plant Biology and Conservation, Northwestern University  
 This course provides students with the conceptual and theoretical framework within the field of plant biology (especially ecology) and conservation. This seminar-style class is based on reading and discussion of historical literature paired with more recent research. It provides students with the opportunity to think critically and discuss their thoughts within a structured yet informal setting and provides them with a basic background in reading and writing scientific papers.

[Fall 2020 Syllabus](#)



**PBC 450: Field & Laboratory Methods in Plant Biology & Conservation**, Co-Instructor

2009 – 2021 Plant Biology and Conservation, Northwestern University

The goals of this course are to (1) familiarize students with various tools and techniques used frequently in the plant biology and conservation research, (2) provide students hands-on experience with a variety of field and laboratory methods used in plant biology and conservation research, and (3) ensure that students complete the course feeling confident in their ability to select and implement the appropriate methods to address a variety of research questions.

[Fall 2020 Syllabus](#)

**Current Topics in Ecology & Evolutionary Biology**, Co-instructor

2007 Department of Ecology and Evolutionary Biology, University of Connecticut, Storrs

**Developmental Plant Morphology**, Teaching Assistant

2004 Department of Ecology and Evolutionary Biology, University of Connecticut, Storrs

**Introduction to Botany**, Teaching Assistant

2003 Department of Ecology and Evolutionary Biology, University of Connecticut, Storrs

**Principles of Biology**, Teaching Assistant

2002, 2003 Department of Ecology and Evolutionary Biology, University of Connecticut, Storrs

**POSTDOCS MENTORED**

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Dylan Cohen. Supported by NFWF Grant and BLM Contract. 2021-2024.

Tania Jogesh. Supported by the NSF-funded Dimensions of Biodiversity. 2014 – 2018.

Current Position: Data Scientist, City of San Francisco.

Rick Overson. Supported by the NSF-funded Dimensions of Biodiversity. 2014 – 2017.

Current Position: Research Manager, Cease Lab, Julie Ann Wrigley Global Institute of Sustainability. Arizona State University.

**GRADUATE STUDENTS ADVISED – MAJOR ADVISOR**

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16 Total: 12 M.S., 4 Ph.D. – 12 underrepresented in STEM; 10 women

**Current**

Haley Carter. Northwestern University, Ph.D. expected 2025, Co-advisor

Alissa Doucet. Northwestern University, M.S. expected 2023

Andrew Davies. Northwestern University, M.S. expected 2023

**Finished**

Susan Deans. Northwestern University, M.S. 2022. Conservation status and floral biology of Kaua'i endemic *Hibiscus* species.

Katie Wenzel. Northwestern University, Ph.D. 2021, Co-advisor. Do Pollinators Drive Divergence?

Connecting Floral Phenotypes, Pollinators, and Gene Flow to Understand Floral Trait Divergence in *Castilleja*. Current Position: Postdoc, John Innes Center. Norwich, UK. Kelsey Byer's lab.

Katherine Andrews. Northwestern University, M.S. 2019. Precipitation frequency negatively impacts plant survivorship, growth, phenology and herbivory in *Oenothera harringtonii*.

Current Position: Director of Cultivation, Standards and Practices, Cresco Labs

Kelly Mikenas. Northwestern University, Ph.D. 2017. The Potential of Green Roofs to Provide Habitat for Native Plant Conservation. Current Position: Assistant Professor, Department of Biology; Director, Environmental Studies Program. Elmhurst College.

Dan Bruzesse. Northwestern University, M.S. 2016. Host use and diversification of the genus *Mompha* (Lepidoptera: Gelechioidea: Momphidae). Current Position: Ph.D. student in Dr. Jeff Feder's lab at the University of Notre Dame.

Ben Cooper. Northwestern University, M.S. 2016. Revealing patterns of evolution in a recently radiated plant group, the Sundrops (*Oenothera* Section *Calylophus*: Onagraceae) using target enrichment. Current Position: PhD program in Ya Yang's lab at the University of Minnesota.

Emily Lewis. Northwestern University, M.S. 2015. Differences in population genetic structure of hawkmoth- and bee-pollinated species of *Oenothera* (Onagraceae) are more pronounced at a landscape scale. Current Position: Graduate coordinator. Math Department, Washington State University.

Matthew Rhodes. Northwestern University, M.S. 2013. Spatial genetic structure and nonrandom pollination success in *Oenothera harringtonii* (Onagraceae). Current Position: Ecological consultant, Lander, WY.

Ricardo Rivera. Northwestern University, M.S. 2013. Quantitative genetics in a fragmented landscape, a study of heritable floral traits in *Oenothera harringtonii* (Onagraceae). Current Position: Ph.D. candidate in Dr. Erika Marin Spiotta's lab at the University of Wisconsin, Madison.

Rebecca Barak. Northwestern University, M.S. 2012. Species interactions between native forbs and invasive cheatgrass (*Bromus tectorum* L.) in the Colorado Plateau. Current Position: Assistant Conservation Scientist. Chicago Botanic Garden.

Emily Booth. Northwestern University, M.S. 2011. Potential effects of climate change on *Penstemon palmeri* at Zion National Park, Utah, U.S.A. Current Position: Postdoctoral researcher in Dr. Brent Sewall's lab at Temple University.

Melissa Gray. Northwestern University, M.S. 2011. The effects of floral density manipulation on the pollination and reproductive success of *Penstemon pachyphyllus*. Current Position: Assistant editor in Plant and Environmental Science at Encyclopedia Britannica.

#### **GRADUATE STUDENTS ADVISED – COMMITTEE MEMBER**

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15 Total: 12 M.S., 2 Ph.D. - 13 underrepresented in STEM; 12 women

##### **Current**

Samantha Turner-Rosa. Northwestern University, M.S. expected 2023.  
 Alexandra Zink. Northwestern University, M.S. expected 2022.

##### **Finished**

Bing Li. Northwestern University, M.S. 2021  
 Kristen Manion. Northwestern University, M.S. 2021  
 Anita Cisternas-Fuentes. Northwestern University, Ph.D. 2021  
 Marie Faust. Northwestern University, M.S. 2019  
 Elliot Gardner. Northwestern University, Ph.D. 2017  
 Christopher Warneke. Northwestern University, M.S. 2015  
 Laney Widener. Northwestern University, M.S. 2014  
 Anna Braum. Northwestern University, M.S. 2014  
 Karen Taira. Northwestern University, M.S. 2013  
 Byron Tsang. Northwestern University, M.S. 2012  
 Kelly Ksiazek. Northwestern University, M.S. 2011  
 Megan Kate Gallagher. Northwestern University, M.S. 2011  
 Megan Jensen. Northwestern University, M.S., 2010

#### **RESEARCH ASSISTANTS, UNDERGRADUATE & HIGH SCHOOL STUDENTS MENTORED**

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36 Total - 28 underrepresented in STEM; 25 women

##### **Research Assistants**

Chris Woolridge. 2017 – 2019



Haley Carter. 2017 – 2018  
Lindsey Bechen. 2016 – 2018  
Andrea Gruver. 2015 – 2017  
Emily Lewis. 2015 – 2016  
Evan Hilpman. 2009 – 2015  
Matt Rhodes. 2012 – 2015  
Sadie Todd. 2009 – 2013

### **Undergraduate Students**

Kayce Blumenstock. Clemson University. Research student. 2023.  
Bibiana Belknap Fernandez. Northwestern University. Research intern 2021-2022.  
Kyann Young. Saint Xavier University. Research Intern. 2021.  
Laura Fehling. University of Wisconsin – Green Bay. REU Student. 2018  
Casey Beidelman. Northwestern University. Research Intern. 2017  
Sydney Weil. Amherst College. Summer 2017  
Melissa Vergara. University of California – Santa Cruz. REU. **BSA PLANTS Award**. 2017  
Victoria Luizzi. Amherst College. REU Student. 2016  
Katherine Andrews. Lake Forest College. 2014 – 2016  
Taylor Tate. Northwestern University. **Northwestern Summer Undergraduate Research Award**. 2015  
Evan Levy. Colorado College. REU Student. 2015  
Adam Rork. Maryville University. REU Student. 2015  
Lindsey Bechen. Amherst College. Research Intern. 2015  
Amanda Patsis. Amherst College. Research Intern. 2015  
Andrea Gruver. Gustavus Adolphus College. REU Student. 2014  
James Medina. Oberlin College. 2012, 2013  
Kathleen (KC) West. Claremont McKenna College. Research Assistant. 2012 – 2013  
Heather-Rose Kates. Oberlin College. REU Student. 2010  
Carrie Klase. Warren Wilson College. REU Student. 2009  
Quincy Roberts. Lake Forest College. Research Intern. 2008 – 2009  
Evan Hilpman. Colorado College. Research Intern. **Senior thesis advisee**. 2008-2009  
Logan Senack. University of Connecticut. **Senior thesis advisee, University Scholar**. 2006 – 2008  
Susan Kim. University of Connecticut. Research Intern. 2007  
Kathryn Sturgeon. University of Connecticut. Research Intern. 2005 – 2006  
Claudette Casile. University of Connecticut, Honors student. Research Intern. 2005  
Meagan Ridder. University of Connecticut. Research Intern. **Garden Club of America Scholar**. 2004

### **High School Students**

David Anaya. Lake Forest Open Lands - Center for Conservation Leadership Intern. 2020 – 2021  
Yessinia Rodriguez. Lake Forest Open Lands - Center for Conservation Leadership Intern. 2019 – 2020

### **PROFESSIONAL SERVICE**

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2021 – present Botanical Society of America. Botany 360 Ad Hoc Committee Member  
2020 – present [Linda Loring Nature Foundation](#). Research Advisory Board Member  
2020 – present [American Institute of Biological Sciences](#). Board Member  
*Ad hoc* Committees: Diversity; Education and Professional Development; Personnel  
2019 – present [Plant Conservation Alliance – Non-Federal Cooperators Committee](#). Co-chair  
Coordinate outreach, education, and advocacy for the [Botany Bill, H.R. 1572](#) and [S.2384](#).  
2017 – present [Botanical Society of America. Public Policy Committee](#). Co-chair  
2018 – 2022 [American Society of Plant Taxonomists](#). Promotional Materials Committee Member

2015 – 2022 Botanical Society of America. Northwestern University Student Chapter. Faculty Rep  
 2020 – 2021 [Botanical Society of America. Strategic Planning Committee](#) Member  
 2020 – 2021 Field Museum. Curator of Entomology Search Committee - External Member  
 2020 American Philosophical Society. Lewis and Clark Fund for Exploration and Field Research.  
 2019 – 2020 American Society of Plant Taxonomists. Graduate Student Research Awards. Proposal Reviewer  
 2013 Buell & Braun Student Presentation/Poster Awards. Judge. Ecological Society of America. Annual Meeting. Portland, OR  
 2010 – 2013 Botanical Society of America. Karling and Graduate Student Research Awards.  
 2004 – 2005 Society for Conservation Biology. Student Advisory Committee Member

## **DEPARTMENTAL SERVICE**

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### **Clemson University**

2022 – 2023 Promotion and Tenure Review Committee, Dept. of Biological Sciences - member  
 2022 – 2023 Instructor of Biology Search Committee - member

### **Chicago Botanic Garden & Graduate Program in Plant Biology and Conservation, Northwestern University**

2020 – 2022 DEI Committee  
 2020 – 2022 DEI – Recruitment and Admissions Committee  
 2020 – 2022 Non-thesis Master’s Committee  
 2018 – 2022 Science Communication Committee  
 2017 – 2019 Pollinators in the Garden, 2019 theme. Steering Committee member, Science Advisor  
 2016 – 2019 Master’s Committee  
 2011 – 2019 Curriculum Committee  
 2011 – 2012 Master’s Committee  
 2008, 2010, 2013. Master’s Research Awards Reviewer

### **University of Connecticut**

2007 Science, Engineering and Health Professions Collaborative Symposium to promote minorities in the sciences. Ecology and Evolutionary Biology Department Representative  
 2006 – 2008 Center for Conservation and Biodiversity Committee, Graduate Representative  
 2006 Board of Trustees Distinguished Professor Advisory Committee, Graduate Representative  
 2005 Board of Trustees Distinguished Professor Advisory Committee, Graduate Representative  
 2002 – 2003 Graduate Student Senate, Elected Senator

## **PUBLIC POLICY INVOLVEMENT**

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2019 – present Plant Conservation Alliance – Non-Federal Cooperators Committee. Co-chair  
 Advocacy for legislation introduced in 116<sup>th</sup> Congress: [Botany Bill, H.R. 1572](#) and [S.2384](#)  
 2017 – 2023 Botanical Society of America. Public Policy Committee. Co-chair  
 2016 – 2018 [H.R. 1054 – Botanical Sciences and Native Plant Materials Research, Restoration, and Promotion Act](#). Science advisor  
 2017 Congressional visits on Capitol Hill. Offices of Sen. Duckworth (IL), Rep. Schneider (IL-10)  
 American Institute of Biological Sciences – Science Communication Boot Camp  
 2016 Congressional visits on Capitol Hill. Offices of Sen. Durbin (IL), Rep. Schneider (IL-10)  
 Ecological and Biological Sciences Coalition  
 2013 – 2017 Botanical Society of America. Public Policy Committee. Committee member

## ORGANIZED SYMPOSIA AND MEETINGS

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- 2021 - 2022 [Hawaiian Rare Plant Genetics Workshop. Integrating field and molecular approaches to advance plant conservation in Hawaii.](#) *Workshop organizing committee member and session facilitator.* Virtual. Oct 2021 – March 2022.
- 2021 American Institute of Biological Sciences and USA Nagoya Protocol Action Group. [International Workshop Series](#) - More than Potatoes: Collaboration for Collecting and Building the Tree of Life. Host organizations: Botanical Society of America and American Society of Plant Taxonomists. *Workshop facilitator representing the BSA (Public Policy Committee Co-chair).* Nov. 15.
- 2021 American Institute of Biological Sciences. [Enabling Scientific Societies to Support Inclusive, Diverse, Equitable, and Accepting \(IDEA\) Scientific Environments.](#) *Workshop organizing committee member.* Virtual. Nov. 4 – 5.
- 2018 Botanical Society of America. Using Our Science to Inform Policy. *Workshop co-organizer/moderator.* BSA 2018 Annual meeting, Rochester, MN
- 2009 – 2018 Conservation and Land Management Internship Program Training Workshop. *Committee chair.* 2009, 2010: Albright Training Center - Grand Canyon National Park  
2011 – 2018: Chicago Botanic Garden. ~75 CLM interns and 10-15 instructors annually  
Sessions on plant inventorying and monitoring, field botany and conservation genetics
- 2010 Botanical Society of America. Plant/Pollinator Interactions in Fragmented Landscapes. *Symposium Co-organizer.* BSA Annual Meeting, Providence, RI
- 2006 15<sup>th</sup> Annual Graduate Student Symposium. *Committee member.* Ecology and Evolutionary Biology Department, University of Connecticut
- 2004 Northeast Ecology and Evolution Conference. *Co-chair member, Organizing and Fundraising Committees.* University of Connecticut, Storrs, CT. Raised \$23,000; Oversaw 4 committees (Abstract/Program, Registration, Website and Internal. Recruiting Committees); 210 participants; 135 presentations (oral and poster)

## MANUSCRIPTS REVIEWED

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American Journal of Botany	Evolutionary Ecology
Annals Botanici Fennici	Heredity
Annals of Botany	International Journal of Plant Sciences
AoB Plants	Natural Areas Journal
Conservation Science and Practice	Oecologia
Ecology	Plant Species Biology
Evolutionary Applications	PLoS ONE

## PROPOSAL REVIEWER

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- 2021 National Science Foundation. CAREER. *Ad hoc* reviewer.
- 2019 Univ. of Wisconsin-Milwaukee. Research Growth Initiative. External reviewer.
- 2018 National Science Foundation. Dimensions of Biodiversity. *Ad hoc* reviewer.
- 2017 National Science Foundation. Dimensions of Biodiversity. *Ad hoc* reviewer.
- 2016 National Science Foundation. Dimensions of Biodiversity. Panelist.

## PROFESSIONAL SOCIETIES

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Botanical Society of America  
Ecological Society of America  
American Society for Plant Taxonomists

## PRESS

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- 2020 [Meet Scientist Krissa Skogen: She is working to empower women and save the planet...and it's working.](#) Better Magazine
- 2020 [Chicago Botanic Garden scientist shares Antarctica adventure.](#) The Glencoe Anchor
- 2020 [This Indianapolis woman is first Hoosier in all-female, 3-week Antarctic expedition.](#) IndyStar
- 2020 [Scientist shares Antarctica adventure with LFOLA audience.](#) The Lake Forest Leader
- 2019 Moths have a champion in Krissa Skogen. Keep Growing - Chicago Botanic Garden Magazine
- 2018 [Midwestern women join climate change contingent in Antarctica.](#) Energy News Network
- 2015 ["She blooms in role at Botanic Garden."](#) The North Shore Weekend Newspaper.
- 2014 [The evening primrose, the hawkmoth, and the Mompha moth: an evolutionary love triangle.](#) Keep Growing - Chicago Botanic Garden Magazine
- 2014 [Evening primrose by any other name is a moth plant.](#) USDA Blog
- 2014 [A growing knowledge: from plants to pollinators.](#) UConn Today - University of Connecticut
- 2014 [Nature Documentaries.](#) Plants Are Cool, Too! Episode Feature
- 2013 [Taking 'adventure botany' on the road.](#) UConn Today - University of Connecticut

### Chicago Botanic Garden Blog

- 2020 [A Journey to Antarctica for Women in STEM.](#)
- 2017 [Hawkmoth pollination promotes promiscuity in plants.](#)
- 2013 [Behind the Scenes – Filming "Plants Are Cool, Too!"](#)
- 2013 [The Evolution of a Research Idea](#)

## ENGAGEMENT & OUTREACH

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### Radio

- 2022 Marfa Public Radio – Nature Notes. [The evening primrose is the center of an aromatic drama in the desert night](#)

### Podcasts

- 2019 [Botanical Mystery Tour – Episode 6: The Silence of the Lambs and the Death's Head Hawkmoth.](#) *Featured scientist.* Featured scientist - discussed the science behind the Silence of the Lambs, death's head hawkmoths, and challenges faced by women in STEM
- 2018 [The Shape of the World – Episode 4: Secret in the Scented Night.](#) *Featured scientist.* Host Jill Riddell discusses my research and career in science

### Video

- 2013 [Plants Are Cool, Too! Episode 4 - Desert Blooms and Marathon Moths.](#) *Featured Scientist.* Dr. Chris Martine, host of the YouTube series, joins Krissa Skogen in New Mexico's White Sands National Monument and finds plant romance happening by the light of the full moon. Hawkmoths fly for miles each night in search of flower nectar - and are thus critically important as pollinators of desert wildflowers.

### General Public

- 2021 [UN Women in Leadership Forum – The Future of Women in STEM.](#) Host: Chicago Chapter of the US National Committee for UN Women. STEM panelist.
- 2020 Nocturnal Pollination: the importance of moths, the threats they face, and how you can help. Lake-Cook Chapter of the Illinois Audubon Society. ~90 attendees
- 2020 Pollinator Gardens – how to support pollinators in the city! Old Irving Park Neighborhood Association, Chicago, IL
- 2019 After Hours Buzz – Nocturnal Pollination. Chicago Botanic Garden event for Bees and Beyond annual theme. *Featured scientist*, lecture on moth pollination

- 2019 Bee Buzz – Conservation Cocktails. Lake Forest Open Lands – Melody Farm Nature Preserve. *Featured scientist*, lecture and nature walk focused on bee and moth pollination
- 2018 [Experimental Words – Poetry Slam](#) *Science-Poetry collaboration*. As one of 5 scientists paired with Chicago-area poets, I created and performed poems inspired by my research on hawkmoth pollination and José Olivarez’s poetry. U.S. premier performance project from Manchester, U.K.-based scientist Sam Illingworth, Ph.D., and poet Dan Simpson. Chicago Botanic Garden
- 2017 Soho House Pollinator Awareness Event *Panelist*. Co-hosted by the Pollinator Partnership, Sprout Modern, and Soho House. Chicago.
- 2011 CBG Dixon National Tallgrass Prairie Seed Bank Volunteers learned about my research and collected fitness data.

### Graduate and Undergraduate Students

- 2020 Insights on Women in STEMM leadership program and Antarctic Expedition. Hosted by Wooster Women in STEM, MiSTEM, and the STEM Success Initiative. College of Wooster. Wooster, OH
- 2015 Work-life Balance in Academia, *Panelist*. Northwestern University. Co-hosted by Graduate Women Across Northwestern, Association for Women in Chemistry, and Women in Philosophy.

### K - 12 Students

- 2020 [GirlConChicago](#) – annual Chicago-based conference for high school students identifying as female/non-binary, to learn about career opportunities to combining their field of passion with technology. Invited scientist – Q & A on being a woman in STEM. Chicago, IL
- 2019 Antarctic Expedition & Importance of Diversity and Women in STEMM  
[Oak Terrace Elementary School](#). Highwood, IL – 3<sup>rd</sup> and 5<sup>th</sup> grade. ~200 students  
 Dual language school. 75% Hispanic. 70% low income. 62% limited English  
[Nuestro Center](#). Highwood, IL – 1-5<sup>th</sup> grades. 40 students  
[Woodland Elementary School](#), Gurnee, IL – 2<sup>nd</sup> & 3<sup>rd</sup> grade Art Classes. 100 students  
 58% Minority, 36% low income. 20% limited English  
 Girl Scouts Troop 45764 - 2<sup>nd</sup> & 3<sup>rd</sup> grades. 16 students
- 2019 Lake Forest Open Lands - Center for Conservation Leadership Internship. *Mentor* to high school student developing and executing year-long service project
- 2018 Conservation Corps Conference – Forest Preserves of Cook County. *Career panelist*.
- 2018 [Project Exploration – Sisters 4 Science](#). *STEM Scientist Instructor*. Ariel Community Academy, Chicago, IL. 98% Black, 81% low income. 14% diverse learners.
- 2017 Girl Scouts of Greater Chicago and Northwest Indiana. *Panelist*. Imagine your future – Environmental Scientist Edition. Discussed my career in science and research with 4<sup>th</sup>-8<sup>th</sup> grade girls to increase exposure to careers in science.
- 2017 [Project Exploration – Sisters 4 Science](#). *STEM Scientist Instructor*  
 After school program for young girls from underrepresented communities in Chicago elementary and middle school. Each session is led by a female scientist who emphasize leadership development through scientific exploration. [www.projectexploration.org](http://www.projectexploration.org)  
 Discussed my career background, a day in the life of a scientist, and lead a hands-on experiment focused on flowers and pollinators.  
     Carter G. Woodson North Middle School, Chicago, IL. 96% Black, 3% Hispanic. 97% low income. 20% diverse learners.  
     Frederick Funston Elementary School, Chicago, IL. 91% Hispanic, 9% Black. 96% low income. 18% diverse learners. 42% limited English.
- 2017 Oak Terrace Elementary School Dual language school. Kindergarten and Ecology Club Sessions  
 75% Hispanic. 70% low income. 62% limited English.

- 2013– 2015 Women in Science, Pollinators and Pollination. YWCA Lake County Tech GYRLS summer program and Catherine Cook School, Chicago, IL.
- 2011, 2013 Girl Scouts of America. Female Scientist Mentor. Worked with troops to earn their ‘Meet a Female Scientist’ and ‘Plant Life’ badges.
- 2012 NorthShore Homeschool Group. AP Biology. Taught plant reproduction, pollination, and genetics. Starbucks Corporation Executive Nonprofit Volunteer Day. Volunteers learned about my research and collected fitness data.
- 2009 – 2010 Planting Science Mentor to high school students on their botany research project.
- 2005 Middle School Biodiversity Curriculum Development. Developed a biodiversity curriculum for CT 6th grade teachers incorporating concepts in Ecology and Evolutionary Biology, coordinated with the Education Department, University of Connecticut.

### **OTHER PROFESSIONAL EXPERIENCE**

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University of Connecticut, Storrs, CT

2006 – 2007. Graduate Assistant. National Research Council Assessment of Research Doctorate Programs,

National Academies of Sciences

2005. Graduate Assistant. Teachers for a New Era Program, Department of Education

Argonne National Laboratory. Argonne, IL

2001 – 2002. Research Assistant. Environmental Research Division (R. Mike Miller, Julie Jastrow)

Chicago Botanic Garden, Glencoe, IL

2000 – 2001. Research Intern. Conservation Science Department. (S. Masi, K. Havens, P. Vitt)

Gustavus Adolphus College, St. Peter, MN

1998 – 2000. Research Intern. Plant Ecology Research Lab (C. Johnson)

University of Arizona, Tucson, AZ

January 2000. Research Intern. Plant Pathology Department (M. Hawes)

North Dakota State University, Fargo, ND

1997. Research Intern. Department of Plant Sciences

### **CONTRIBUTED RESEARCH TALKS AND POSTERS** (\*presenting author, +students)

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2022 Overson, R., M. Johnson, L. Bechen, S. Kinoshian\*, N. Douglas, J. Fant, P. Hoch, R. Levin, M. Moore, R. Raguso, W. Wagner, K. Skogen, and N. Wickett. A phylogeny of the evening primrose family (Onagraceae) with a focus on the tribe Onagrae using a target enrichment approach. BOTANY Conference.

Loke, E.\*+, A. McDonnell, M. Moore, A. Sakai, K. Skogen, W. Wagner, S. Weller, L. Weisenberger, and N. Wickett. Incorporating phased alleles to reconstruct a recent and rapid radiation in *Schiedea* (Caryophyllaceae) BOTANY Conference.

McDonnell, A.\*+, E. Loke+, M. Moore, A. Sakai, S. Weller, W. Wagner, K. Skogen, L. Weisenberger, and N. Wickett. The draft genome of *Schiedea membranacea*: a foundation for understanding the evolution in the genus. BOTANY Conference.

2021 Diaz-Martin\*, Z., A. Cisternas+, K. Skogen, K. Kay, R. Raguso, J. Fant. Differences in gene flow between progenitor-derivative taxa reflect pollination mode and mating system. BOTANY Conference, virtual

McDonnell\*, A., E. Loke+, M. Moore, A. Sakai, S. Weller, W. Wagner, K. Skogen, L. Weisenberger, N. Wickett. New perspectives on the evolution of plant breeding systems in the radiation of Hawaiian *Schiedea* (Caryophyllaceae). BOTANY Conference, virtual

- 2020 Skogen, K.\* Ecology as a Key Player in Engaging a Generation of Community Plant Scientists. Invited talk in the Ignite session: The Plant Science Decadal Vision, 2020-2030 - Why Ecologists Should Care About It. Ecological Society of America Conference, virtual
- K. Skogen\*, R. Raguso, J. Fant, E. Lewis<sup>+</sup>, A. Gruver<sup>+</sup>, H. Carter<sup>+</sup>, and T. Jogesh. Floral antagonists generate floral fragrance diversity in the evening primrose *Oenothera harringtonii*. Ecological Society of America Conference, virtual
- J.\* Fant, A. Cisternas Fuentes<sup>+</sup>, E. Donaldson<sup>+</sup>, I. Moore<sup>+</sup>, H. Noble and K. Skogen. Consequences of pollinator behavior on genetic diversity: a comparison of two *Clarkia* species with contrasting pollinator visitors. Ecological Society of America Conference, virtual
- A. Cisternas Fuentes<sup>+</sup>, T. Jogesh, K. Skogen, and J. Fant. Evolution of selfing syndrome and its influence on genetic diversity and inbreeding: A range-wide study in *Oenothera primiveris* (Onagraceae). BOTANY Conference, virtual
- K. Wenzell<sup>+</sup>, J. Fant and K. Skogen. Variation in floral traits across taxonomic and geographic scales as a model for species divergence in *Castilleja*. BOTANY Conference, virtual
- 2019 Cooper<sup>+</sup>, B., M. Moore, N. Wickett, W. Wagner, M. Johnson, R. Overson and K. Skogen. The power of population sampling, splash-zone introns, and summary coalescent methods in targeted enrichment: untangling species relationships in *Oenothera* sect. *Calylophus*. BOTANY Conference. Tucson, AZ
- Carter<sup>+</sup>, H., J. Fant, C. Woolridge<sup>+</sup>, and K. Skogen. Mating dynamics and linalool production in *Oenothera harringtonii*. BOTANY Conference. Tucson, AZ.
- Wenzell<sup>+</sup>, K., J. Fant, and K. Skogen. Floral divergence in color and corolla length in relation to major pollinators within *Castilleja*. BOTANY Conference. Tucson, AZ
- Skogen, K\*., J. Fant, A. Cisternas<sup>+</sup>, E. Lewis<sup>+</sup> and M. Rhodes<sup>+</sup>. Pollinator foraging behavior and dispersal patterns predict population genetic structure in plants. BOTANY Conference. Tucson, AZ
- 2018 Bechen<sup>+</sup>, L., N. Wickett\*, M. Johnson, R. Levin, T. Jogesh, R. Overson, J. Fant, R. Raguso, and K. Skogen. Differential gene expression associated with a floral scent polymorphism in the evening primrose *Oenothera harringtonii* (Onagraceae). BOTANY Conference. Rochester, MN
- Wenzell<sup>+</sup>, K., J. Fant, and K. Skogen. Geographic variation in pollinators and floral traits in a widespread species *Castilleja sessiliflora* (Orbanchaceae). BOTANY Conference. Rochester, MN
- Jordan-Thaden, I.\*., K. Skogen\*, and K. Tuominen\*. Using our science to inform public policy. BOTANY Conference. Rochester, MN
- 2017 Wenzell<sup>+</sup>, K., J. Fant, and K. Skogen. Range-wide variation in floral traits and local pollinator assemblages in *Castilleja sessiliflora* (Orbanchaceae). Ecological Society of America Conference. Portland, OR. Poster
- Patsis<sup>+</sup>, A., R. Overson, M. Johnson, K. Skogen, W. Wagner, R. Raguso, N. Wickett, and R. Levin. Elucidating the evolutionary history of *Oenothera* sect. *Pachylophus* using phylogenomics. BOTANY Conference. Fort Worth, TX
- Vergara<sup>+</sup>, M., K. Skogen, T. Jogesh, and K. Kay. Do herbivores prefer flower buds over leaves? Evaluating caterpillar preferences in evening primroses (Onagraceae). BOTANY Conference. Fort Worth, TX. Poster
- Havens-Young, K., A. Kramer, K. Skogen\*, and E. Williams. Advocacy for native plants and restoration: 'Botany Bill', H. R. 1054 – the Botanical Sciences and Native Plant Materials Research, Restoration and Promotion Act. BOTANY Conference. Fort Worth, TX. Poster
- Skogen\*, K., T. Jogesh, E. Lewis<sup>+</sup>, A. Gruver<sup>+</sup>, G. Broadhead<sup>+</sup>, R. Overson, and R. Raguso. Is floral scent at the nexus of interactions among plants, pollinators and herbivores in the evening primroses (Onagraceae)? BOTANY Conference. Fort Worth, TX.
- 2016 Skogen\*, K., T. Jogesh, R. Overson, J. Fant, and R. Raguso. Evolution of floral traits in the evening primrose family, Onagraceae. BOTANY annual conference. Savannah, Georgia.



- Gardner<sup>\*\*</sup>, E., M. Johnson, K. Skogen, N. Wickett, and N. Zerega. Phylogenomics of *Artocarpus* (Moraceae): insights into pollination transitions. BOTANY Conference. Savannah, GA
- Overson<sup>\*</sup>, R., M. Johnson, J. Fant, R. Levin, M. Moore, W. Wagner, R. Raguso, K. Skogen, and N. Wickett. A phylogeny of the evening primrose family (Onagraceae) using a target enrichment approach for 322 nuclear loci. BOTANY Conference. Savannah, GA
- Bechen<sup>\*\*</sup>, L., R. Overson, M. Johnson, J. Fant, R. Levin, R. Raguso, K. Skogen, and N. Wickett. Organ-specific transcriptomes of *Oenothera harringtonii* (Onagraceae) and associated variation in floral scent. BOTANY Conference. Savannah, GA
- Lewis<sup>\*\*</sup>, E., J. Fant, M. Moore, and K. Skogen. Differences in population genetic structure of hawkmoth- and bee-pollinated species of *Oenothera* (Onagraceae). BOTANY Conference. Savannah, GA
- Jogesh<sup>\*</sup>, T., R. Raguso, R. Overson, J. Fant, and K. Skogen. Geographic variation in herbivore selection and the diversification of floral scent in evening primroses (Onagraceae). BOTANY Conference. Savannah, GA
- Cooper<sup>\*\*</sup>, B., M. Moore, N. Wickett, R. Overson, M. Johnson, and K. Skogen. Using target enrichment methods to resolve the phylogeny of *Oenothera* sect. *Calylophus* (Onagraceae) with 322 nuclear loci. BOTANY Conference. Savannah, GA
- 2015 Tank<sup>\*</sup>, D., L. Widener<sup>†</sup>, M. Latvis, S. Jacobs. K. Skogen, J. Fant. Phylogeny and evolution of a historically challenging species group: mixed data types identify cryptic species and a history of gene flow in the *Castilleja latifolia* (Orbanchaceae) species alliance. BOTANY Conference. Edmonton. Alberta.
- 2013 Rhodes<sup>\*\*</sup>, M.K., K. Skogen & J.B. Fant. Moths vs. bees: Linking temporal variation in pollinator community structure to reproductive dynamics and pollen movement in an annual plant. Ecological Society of America Conference. Minneapolis, MN
- Ksiazek<sup>†</sup>, K., R. K. Tonietto & K. Skogen<sup>\*</sup>. Green roofs provide resources for native forbs and bees i in Chicago. Invited talk for special session: incorporating Ecology into Green Research. Ecological Society of America Conference. Minneapolis, MN
- 2012 Skogen<sup>\*</sup>, K., J. Fant and R. Raguso. Vagrant pollinators and fragrant plants - geographic structure in floral scent despite hawkmoth-mediated gene flow linking isolated populations. Ecological Society of America Conference. Portland, OR
- Rivera<sup>\*\*</sup>, R., K. Skogen, and J. Fant. Quantitative genetics in a fragmented landscape, a study of heritable traits in *Oenothera harringtonii*. Ecological Society of America Conference. Portland, OR
- Barak<sup>\*\*</sup>, B., K. Skogen, and J. Fant. Assessing competitive potential of native forbs from cheatgrass-dominated habitats. Ecological Society of America Conference. Portland, OR
- 2010 Skogen<sup>\*</sup>, K., R. Raguso, J. Fant and E. Hilpman<sup>+</sup>. Does fragmentation negatively impact species pollinated by long-distance dispersers? Variation in floral advertisements, rewards and neutral genetic markers in *Oenothera harringtonii*. BOTANY Conference. Providence, RI
- 2009 Skogen<sup>\*</sup>, K, R. Raguso, J. Fant, E. Hilpman<sup>\*\*</sup>, S. Kelso, and Q. Roberts<sup>+</sup>. Fragmented fragrances: habitat modification, population structure and reproductive ecology in a rare prairie endemic, *Oenothera harringtonii*. BOTANY Conference. Snowbird, UT. Poster
- 2008 Skogen<sup>\*</sup>, K. and K. Havens. Demand for botanists on federal lands: Partnerships between botanic gardens and land management agencies. BOTANY Conference, Vancouver, Canada
- 2007 Skogen<sup>\*</sup>, K. Does atmospheric nitrogen deposition contribute to the decline of a native nitrogen-fixing species, *Desmodium cuspidatum*? BOTANY Conference. Chicago, IL
- Skogen<sup>\*</sup>, K. Does atmospheric nitrogen deposition contribute to the decline of a native nitrogen-fixing species, *Desmodium cuspidatum*? 17<sup>th</sup> Annual Graduate Student Symposium, Ecology and Evolutionary Biology Department, University of Connecticut. Storrs, CT
- 2006 Skogen<sup>\*</sup>, K. Atmospheric nitrogen deposition and the decline of a nitrogen-fixing plant species.

- Environmental Protection Agency Science to Achieve Results Conference. Washington, DC.  
Poster
- Skogen\*, K. and K. Holsinger. Does size matter? Genetic diversity in declining and secure populations of *Desmodium cuspidatum*. BOTANY Conference. Chico, CA
- 2005 Holsinger\*, K., and K. Skogen. Plant genetic consequences of pollinator declines. National Research Council Workshop on the Status of Pollinators in North America. National Academy of Sciences. Washington, DC
- Skogen\*, K. Demography and reproductive biology of threatened populations of *Desmodium cuspidatum* (Fabaceae). BOTANY Conference. Austin, TX
- 2004 Skogen\*, K. Exploring causes of decline in the large-bracted tick-trefoil, *Desmodium cuspidatum*, (Fabaceae). 2<sup>nd</sup> Annual Northeast Ecology and Evolution Conference, University of Connecticut, Storrs, CT. Poster
- 2003 Skogen\*, K. 2003. Exploring causes of decline in the large-bracted tick-trefoil, *Desmodium cuspidatum*, (Fabaceae). National Science Foundation/New England Wildflower Society Fellowship in Conservation Biology Symposium, New England Wildflower Society, Framingham, MA. Oral and poster
- Skogen\*, K. Exploring causes of decline in rare plant species. Northeast Ecology and Evolution Conference, Rutgers University. New Brunswick, NJ
- Skogen\*, K. Exploring causes of decline in rare plant species. 13<sup>th</sup> Annual Graduate Student Symposium, Ecology and Evolutionary Biology Department, University of Connecticut
- 2001 Bradford\*, K, S. Liarakos, K. Skogen, A. Tietmeyer, P. Vitt and K. Havens. Comparing the ability of two PCR-based techniques, RAPD and ISSR, to detect low levels of genetic diversity. 2001 Midwestern Plant Conservation Conference, Chicago Botanic Garden, Glencoe, IL. Poster
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