

# MARJORIE G. WEBER

CURRICULUM VITAE (September 2021)

weberm11@msu.edu; +001 (313) 402 6586

Lab website: [www.theweberlab.com](http://www.theweberlab.com)

See also: [www.projectbiodiversify.org](http://www.projectbiodiversify.org)

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## CURRENT APPOINTMENT

Assistant Professor, Department of Plant Biology  
*Ecology, Evolutionary Biology, & Behavior Program*  
Michigan State University

2016 - present

## EDUCATION

Center for Population Biology Postdoctoral Fellow

University of California at Davis

September, 2014-August, 2016

PhD: Ecology & Evolutionary Biology,  
Cornell University, Ithaca, NY

August, 2009 – August, 2014

Bachelor of Arts: Biology Major, *with honors*  
Lewis & Clark College, Portland, OR

September, 2003 - May, 2007

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## PUBLICATIONS

*\*Mentees (e.g., students/postbachs/postdocs)*

### Submitted or In Review

Robinson, M., Weber, M.G., Freedman, M., Yonenaga, J., and S.Y. Strauss. **Submitted**. Broadscale evolution of coloration in caterpillars reflects their interactions with plants.

\*LoPresti, E.F., Mickley, J.G., \*Edwards, C.L., and Weber, M.G. **Submitted**. Characterization of an increase in atypical petal numbers during a shift to autogamy in a coastal sand verbena and evaluation of potential evolutionary mechanisms.

\*Myers, A. \*Martin, B., \*Yonenaga, J., and Weber, M.G. **Submitted**. Tiny Bodyguards on the Tree of Life: The Phylogenetic and Biogeographic Distribution of Plants with Mite Domatia.

\*Zemenick, A. T., S. C. Jones, M. G. Weber, A. J. Webster, E. Raymond, K. Sandelin, T. Kowalczyk, N. Hessami, C. Lund. Dahlburg. **Submitted**. Diversifying and humanizing biologist role models through constructing slide deck on researchers' research and life experiences.

### Published or In Press:

34. \*LaPlante, E.R., \*Fleming, M., Migicovsky, Z., and Weber, M.G. **2021**. Genome-wide association study reveals genomic regions associated with mite recruitment phenotypes in the domesticated grapevine (*Vitis vinifera*). **Genes**.

33. Pan, V.S. McMunn, M., Karban, R., Goidell, J., Weber, M.G., \*E.F. LoPresti. **2021**. Mucilage-binding to ground protects seeds of many plants from harvester ants: a functional investigation. **Functional Ecology**.

32. \*Coltharp, E., Knowd, C., Abelli-Amen, E., Abounayan, A., Alcaraz, S., Auer, R., Beilman, S., Breit, E., Brennan, J., Brown, H., Cancroft, O., Carlson, J., Carpenter, M., Carriero, N., Couser, R., Diaz, S.,

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- Gonzalez, S., Field, C., Fields, L., Fowler, M., Goldston, B., Griego, E., Hale, D., Hunter, R., Inman, J., Krumi, B., Mattern, E., McCollum, M., McNeill, E., Miller, K., Mistry, M., Plastina, G., Rarig, K., Roge, A., Selfridge, H., Staats, T., Tran, E., Trinh, B., Waitkus, S., Walsh, P., Weiss, A., Willcox, A., Young, O., Zervas, J., Grossenbacher, D., & M. Weber. **2020**. Leaf hair tufts function as domatia for mites in *Quercus agrifolia*. *Madrono* 67:165-169 \*This paper includes 32 undergraduate authors
31. Hembry, D. H. and Weber, M.G. **2020**. Ecological Interactions and macroevolution: a new field with old roots. *Annual Review of Ecology, Evolution, and Systematics*. 51.
  30. Wood, S., McKibbe, T., Chen, L., Henning, J.A., Smith, M.L., Weber, M.G., \*Zemenick, A., and C.J. Ballen. **2020**. A scientist like me: demographic analysis of biology textbooks reveals both progress and long-term lags. *Proceedings of the Royal Society B*. 287 (1929), 20200877.
  29. Pearse, I.S., Ali, J.G., Bronstein, J.L., Eubanks, M. D., \*LoPresti, E., Mooney, K.A., Ode, P.J., Schaeffer, R.N., Weber, M.G., Wetzel, W.C. **2020**. Generalizing indirect defense and resistance of plants. *Ecology Letters*. 23(7).
  28. \*Baskett, C., \*Schroeder, L., Weber, M.G., and D. Schemske. **2020**. Multiple metrics of latitudinal patterns in insect pollination and herbivory for a tropical-temperate congener pair. *Ecological Monographs*. 90 (1), e01397.
  27. \*LoPresti, E.F., Goidell, J., Mola, J., Page, M., Stuligross, C., Specht, C., Weber, M.G., Williams, N., and R. Karban. **2019**. A lever action hypothesis for pendulous hummingbird flowers: experimental evidence from a columbine. *Annals of Botany*. 125 (1), 59-65.
  26. \*LoPresti, E.F., Pan, V., Goidell, J., Weber, M.G., and R. Karban. **2019**. Mucilage-bound sand reduces seed predation but not by reducing apparency; a field test of 53 plant species. *Ecology*. 100 (4), 1-2.
  25. \*Foisly, M.R., Albert, L.P., \*Hughes, D.W.W., and M.G. Weber. **2019**. Do latex and resin spur diversification? Reexamining an early hypothesis of escape and radiate coevolution. *Journal of Ecology*. 107(4) 1606-1619.
  24. Chomicki, G., Weber, M.G., Antonelli, A., Bascompte, J., and T. Kiers. **2019**. The Impact of Mutualisms on species richness. *Trends in Ecology and Evolution*. 34(8) 698-711.
  23. Harmon, L., C., Andreazzi, C., Drury, J.P., Goldberg, E., Martins, A., Melián, C., Narwani, A., Pennell, M., Rudman, S., Seehausen, O., Silvestro, D., Weber, M.G. and B. Matthews. **2019**. Detecting the Macroevolutionary Signal of Species Interactions. *Journal of Evolutionary Biology*. 32(8) 769-782.
  22. Agrawal, A.A.; Ali, A.; Johnson, M.D.; Hastings, A.; Burge, D.; and M.G. Weber. **2018**. Toxicity of the spiny thick-foot *Pachypodium* (Apocynaceae). *New Phytologist*. 105(4), 677-686.
  21. Weber, M.G., N.I. Cacho, M.J.Q. Phan, C. Disbrow, S.R. Ramirez, S.Y. Strauss. **2018**. The evolution of floral signals in relation to range overlap in a clade of California Jewelflowers (*Streptanthus* s.l.). *Evolution*. 72(4), 798-807.
  20. Afkhami, M., Mahler, L., Burns, J., Weber, M.G., Wojciechowski, M., Sprent, J., and S. Strauss. **2018**. Symbioses with nitrogen-fixing bacteria: Nodulation and phylogenetic data across legume genera. *Ecology*. 99(2), 502-502.
  19. Mahler, L., Weber, M.G., Wagner, C. E., and T. Ingram. **2017**. Pattern and process in the comparative study of convergent evolution. *American Naturalist*. 190 (S1): S13-S28.
  18. Weber, M.G., Wagner, C. E., Best, R.J., Harmon, L.J., and B. Matthews. **2017**. Evolution in a

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- community context: on integrating ecological interactions into macroevolution. *Trends in Ecology and Evolution*. 32(4): 291-304.
17. Weber, M.G., Mitko, L., Eltz, T., and S.R. Ramírez. **2016**. Macroevolution of perfume signaling in orchid bees. *Ecology Letters*. 19 (11), 1314-1323.
  16. Weber, M.G., and S.Y. Strauss. **2016**. Coexistence in close relatives: Beyond competition and reproductive isolation in sister taxa. *Annual Review of Ecology, Evolution, and Systematics*. 47 (1). 359-381.
  15. Weber, M.G., Porturas, L.D., and S.A. Taylor. **2016**. Foliar nectar enhances plant-mite mutualisms: The effect of leaf sugar on the control of powdery mildew by domatia-inhabiting mites. *Annals of Botany*. 118(3), 459-466.
  14. LoPresti, E. and Weber M.G. **2016**. Breaking barriers in evolutionary biology: A pioneering woman in science and her early theory of plant chemical macroevolution. *The American Naturalist*. 188(2), ii-iv.
  13. Mitko, L., Weber M.G., Ramírez, S.R., Hendenström, E., Wcislo, W.T., and T. Eltz. **2016**. Olfactory specialization for perfume collection in male orchid bees. *Journal of Experimental Biology*. 219: 1467-1475.
  12. Pokorny, T., Ramírez, S.R, Weber M.G., and T. Eltz. **2015**. Cuticular hydrocarbons as potential close range recognition cues in orchid bees. *Journal of Chemical Ecology*. 41(12), 1080-1094.
  11. Agrawal, A.A. and M.G. Weber, **2015**. On the study of plant defense and herbivory using comparative approaches: how important are secondary plant compounds? *Ecology Letters*. 18(10),985-991.
  10. Weber, M.G. and A. A. Agrawal, **2014**. Defense mutualisms enhance lineage diversification in plants. *Proceedings of the National Academy of Science*. 111(46), 16442-16447.
  9. Weber, M.G., and K.H. Keeler. **2013**. The phylogenetic distribution of extrafloral nectaries in plants. *Annals of Botany*. 111 (6): 1251-1261.
  8. Weber, M.G., Clement, W.L., Donoghue, M.J., and A.A. Agrawal. **2012**. Phylogenetic and experimental tests of interactions among mutualistic plant defense traits in *Viburnum* (Adoxaceae). *The American Naturalist* 180: 450-463.
  7. Weber, M.G., and A.A. Agrawal. **2012**. Phylogeny, ecology, and the coupling of comparative and experimental approaches. *Trends in Ecology and Evolution* 27: 394-403.
  6. Agrawal, A.A., Petschenka, G., Bingham, R.A., Weber, M.G., and S. Rasmann. **2012**. Toxic cardenolides: chemical ecology and coevolution of specialized plant-herbivore interactions. *New Phytologist* 194: 28-45.
  5. Dalton, C.M., Mokiao-Lee, A., Weber, M.G., Roco, C.A., Han, Z., Dudley, B., MacKenzie, R.A., and N.G. Hairston Jr. **2012**. Anthropogenic disturbance of top-down and bottom-up controls in a highly endemic tropical aquatic food web. *Oikos*. 122(5): 790-800.
  4. Kennedy, P.G., Higgins, L.M., Rogers, R.H., and M.G. Weber. **2011**. Colonization-competition tradeoffs as a mechanism driving successional dynamics in ectomycorrhizal fungal communities. *PLoS ONE* 6: e25126.
  3. Kennedy, P.G., Weber, M.G., and A.A. Bluhm. **2010**. *Frankia* bacteria in *Alnus rubra* forests: genetic

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- diversity and determinants of assemblage structure. *Plant and Soil* 335: 479-492.
2. Kennedy, P.G., Schouboe, J.L., Rogers, R.H., Weber, M.G., Nadkarni, N.M. **2010**. *Frankia* and *Alnus rubra* canopy roots: An assessment of genetic diversity, propagule availability, and effects on soil nitrogen. *Microbial Ecology* 59: 214-220.
  1. Kursar, T.A., Dexter, K.G., Lokvam, J., Pennington, R.T., Richardson, J.E., Weber, M.G., Murakami, E., Drake, C., McGregor, R., and P.D. Coley. **2009**. The evolution of anti-herbivore defenses and their contribution to species coexistence in the tropical tree genus *Inga*. *Proceedings of the National Academy of Science* 106: 18073-18078.
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## GRANTS & FELLOWSHIPS

<b>NSF IUSE-2012014: DUE - IUSE- Engaged Student Learning Grant (\$1,001,102 total, \$480,255 to MSU, Lead PI)</b> Diversifying and Humanizing Scientist Role Models to Increase the Impact of Data Literacy Instruction on Student Interest and Retention in STEM. <i>National Science Foundation</i>	2020-2024
<b>NSF DEB-1831164: Dimensions in Biodiversity Grant (\$1,103,146, Single PI)</b> Dimensions: The causes and consequences of leaf trait evolution for hidden life on the phyllosphere. <i>National Science Foundation</i> <i>Supplement 2020, NSF-2028570 - Career Life Balance Award (\$23,921)</i>	2018-2023
<b>Initiation (STINT) grant IB 2018-8066 (10,000 SEK = \$10,785, 3PI), Swedish Foundation</b> <i>For International Cooperation in Research</i>	2019-2020
<b>Center for Population Biology Postdoctoral Fellowship (\$96,000); University of California, Davis</b>	2014-2016
<b>ASN Student Research Award (\$2,000); American Society of Naturalists</b>	2013
<b>NSF Doctoral Dissertation Improvement Grant (\$15,000); National Science Foundation</b>	2012
<b>NSF Graduate Research Fellowship (\$90,000); National Science Foundation</b>	2010-2013
<b>Kieckhefer Adirondack Fellowship (\$4,000); Cornell Graduate School</b>	2010
<b>Sigma Xi National Grant in Aid of Research (\$620); Sigma Xi Assoc., National</b>	2010
<b>Sigma Xi Research Grant (\$776); Sigma Xi Assoc., Cornell Chapter</b>	2010
<b>Orenstein Endowment Grant (\$1,500); Orenstein endowment fund, Cornell University</b>	2009 & 2012
<b>Ecological Society of America Grant (\$700); Fungal Env. Sampling &amp; Informatics Network</b>	2008

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## HONORS & AWARDS

<b>Excellence in Diversity Award – Teams-Emerging Progress Category, Michigan State University,</b> <i>awarded for work with Project Biodiversify (website:projectbiodiversify.org)</i>	2020
<b>Early Career Fellow, Ecology Society of America</b>	2018-2023
<b>Jasper Loftus-Hills Young Investigator Award, The American Society of Naturalists</b>	2015
<b>Ed Ricketts Seminar Award, American Society of Naturalists Conference, Asilomar, CA</b>	2014

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<b>LaMont C. Cole Award;</b> <i>Departmental award for best student paper, Cornell Dept. of Ecology &amp; Evolutionary Biology</i>	2012
<b>Rosemary Grant Award;</b> <i>Society for the Study of Evolution</i>	2010
<b>Book Award;</b> <i>Departmental award for best talk by an incoming student, Cornell EEB</i>	2010
<b>Best Student Talk;</b> <i>American Arachnology Society</i>	2008
<b>Biology Prize;</b> <i>(Top dept. student honor); Dept. of Biology, Lewis &amp; Clark College, OR</i>	2007

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## INVITED PRESENTATIONS & INVITED SEMINARS

<b>Session Keynote,</b> <i>Phylosphere Fortnight Conference</i>	2021
<b>Colloquium Invited Speaker,</b> <i>Phytochemistry Colloquium, Botany Conference</i>	2021
<b>Biology Department,</b> <i>University of Massachusetts, Boston</i>	2021
<b>Plant Biology Department,</b> <i>University of California, Riverside</i>	2021
<b>Graduate Student Invited Speaker, Dept. of Biological Sciences,</b> <i>University of Arkansas</i>	2021
<b>Ecology, Evolution, and the Environment Seminar Series,</b> <i>Durham University</i>	2021
<b>Graduate Student Invited Speaker, Department of Biology,</b> <i>Central Vermont University</i>	2021
<b>Department of Biology,</b> <i>University of Connecticut</i>	2020
<b>Department of Biology,</b> <i>Louisiana State University</i>	2020
<b>Department of Evolutionary Ecology,</b> <i>Lund University, Sweden</i>	2019
<b>Special symposium on Macroevolution and Species Interactions,</b> <i>Society for the Study of Evolution Meeting, Providence, RI</i>	2019
<b>Gordon Conference on Speciation,</b> <i>Ventura, CA</i>	2019
<b>Ecology Seminar,</b> <i>Duke University</i>	2019
<b>Ecology &amp; Evolutionary Biology Department Seminar,</b> <i>University of Michigan</i>	2019
<b>Entomology Department Seminar,</b> <i>Penn. State University</i>	2018
<b>Biodiversity Center Seminar,</b> <i>University of British Columbia</i>	2018
<b>Ecology and Evolutionary Biology Department,</b> <i>University of Toronto</i>	2018
<b>150 years of the American Naturalist, ASN meeting, Asilomar, CA</b>	2018
<b>Department of Biology,</b> <i>University of Toronto, Mississauga</i>	2017
<b>Department of Ecology &amp; Evolutionary Biology Seminar,</b> <i>University of Arizona, Tucson AZ</i>	2017
<b>Symposium on Indirect Defense,</b> <i>Entomological Society Meeting, Denver, Colorado</i>	2017
<b>Department of Biology Seminar -</b> <i>University of Idaho</i>	2017
<b>EvMorph Seminar Series,</b> <i>University of Chicago &amp; The Field Museum</i>	2017
<b>Horticulture/Plant, Soil, and Microbial Sciences Seminar Series,</b> <i>Michigan State University</i>	2017
<b>Kellogg Biological Station,</b> <i>Michigan State University</i>	2017
<b>Distinguished Speaker Department of Plant Biology Seminar Series,</b> <i>University of Wyoming</i>	2016
<b>Ecology and Evolution 'Eco-Lunch',</b> <i>Stanford University</i>	2016
<b>American Society of Naturalists Young Investigator Symposium,</b> <i>Evolution Meeting, Brazil</i>	2015

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Ecology, Evolutionary Biology & Behavior Seminar Series, Michigan State University	2015
Biodiversity Research Center (BLISS) Seminar Series, University of British Columbia	2014
Department of Botany and Plant Pathology Seminar Series, Oregon State University	2014
Department of Organismic & Evolutionary Biology Seminar Series, Harvard University	2014
Center for Population Biology Seminar Series, University of California, Davis	2014
Department of Biology Seminar Series, Ithaca College, Ithaca, NY	2013
Department of Limnology Seminar Series, EAWAG Zurich, Switzerland	2013
Novel Traits and Rapid Evolution Conference, Cornell University	2013
Viburnum Research Summit, Yale University	2012

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## CONTRIBUTED PRESENTATIONS AT PROFESSIONAL MEETINGS

American Society of Naturalists: 2014, 2016  
(poster), 2018, 2020

Ecology Society of America: 2010, 2012, 2017,  
2018

Society for the Study of Evolution: 2012,  
2013, 2015, 2017, 2019

Gordon Conference on Plant Insect  
Interactions: 2009 (poster)

American Arachnology Society: 2006, 2008,  
2018

## TEACHING & MENTORSHIP



Co-founder of Project Biodiversity, An online repository  
of teaching materials to highlight role-models from  
underrepresented groups in STEM  
website: [projectbiodiversify.org](http://projectbiodiversify.org); twitter: @biodiversifying

2018-present

\*Awarded Michigan State University's Excellence in Diversity – Emerging Teams Award, 2020

**Workshops by Project Biodiversify Team:** CSU Longview (2021); University of California, Davis (2021); University of Minnesota (2021); Michigan Tech (2021); Living Earth Collaborative Seminar (2021); University of Massachusetts (2021); Susquehanna University (2021); Michigan State University Department of Entomology (2021); University of Connecticut (2021); California Polytechnic University Department of Biology (2021) Macmillan Publishing (2020); Cornell University (2020); Auburn University (2020); Oklahoma State (2021); Duke University (2020); University of California, Davis (2020); University of Washington, Tacoma (2019); Western Washington University (2019); University of Idaho (2019); Northern Kentucky University (2019); Association for the Sciences of Limnology and Oceanography (2019); Michigan State University Kellogg Biological Station k-12 Teaching workshop (2018); Society for Freshwater Science Meeting (2018), Ecology Society of America Meeting (2018)

### Mentorship:

#### Graduate Mentees:

Abbriana Soule, PhD Student (2021-present)

Rosemary Glos, PhD Student (2021-present)

Sylvie Martin-Eberhardt, PhD Student (co-advised)

Bruce Martin, PhD Student (2018-present)

Michael Foisy, Masters Student (2018-2020) Erika

LaPlante, Masters Student (2017-2020)

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w/ Kadeem Gilbert 2021-present)      Carina Baskett, PhD Student (co-advised  
Carolyn Graham, PhD Student (2020-present)      w/ Doug Schemske, 2016-2018)

## Postdoctoral Mentees:

Melissa Kjolvik (2020-present)      Elizabeth Schultheis (2020-present)  
Ash Zemenick (2017-2021)      Margaret Fleming (2019-present)  
Andrew Meyers (2019-present)      Eric LoPresti (2017-2020)

## Undergraduate and Postgraduate Mentees:

Riley Scanlon (MSU Undergraduate Researcher 2019-present); Carolyn Graham (MSU Undergraduate Researcher 2016-2020); Caroline Edwards (Research Technician 2018-2020); Thomas Zambiasi (MSU Undergraduate Researcher 2018-2019); Keegan Mackin (MSU Undergraduate Researcher 2018); Daniel Hughes (Research Technician 2017-present); Ashley Peer (MSU Undergraduate Researcher 2017-2018); Lucy Schroeder (MSU Undergraduate Researcher 2016-2018); Abby Sulesky (MSU Undergraduate Researcher 2016-2018); Susan Gordon (Research Technician 2016-2017); Martin Phan (University of California, Davis Undergraduate Researcher 2015-2016); Jenna Yonenaga (University of California, Davis Undergraduate Researcher 2014-2017); Karen Bitan, Cornell University (Undergraduate Researcher 2013-2014)

## Graduate Committees:

23. Stephanie Harwick Clark MSU-IBIO (2021-Present); 22. Abby Bryson MSU-Genetics (2020-Present); 21. Katherine Dupree U. of Arkansas (2020-present); 20. Jennifer Zavalnitskaya MSU-ENT (2019-present); 19. Kara Dobson MSU-IBIO (2020-present); 18. Riley Pizza MSU-PLB (2020-present); 17. Abby Sulesky-Grieb MSU-MMG (2020-present); 16. Kota Nakasato MSU-PLB (2020-present), 15. Julian Liber MSU-PSMB (2020-present); 14. Alice Puchalsky MSU-IBIO (2019-present); 13. Brandon Latorre MSU-PLB (2019-present); 12. Lauren Koenig MSU-IBIO (2018-present); 11. Devin Lake MSU-IBIO (2019-present); 10. Elizeth Cinto Mejia, MSU-ENT (2018-Present); 9. Kayleigh Courard, MSU-ENT (2018-Present); 8. Malia Santos U. of Idaho (2018-Present); 7. Michael Ryskamp, MSU-PLB (2016-present); 6. Nicole Wonderlin MSU-ENT (2016-present); 5. Caitlyn Bryon, MSU-PLB (2016 – present); 4. Christopher Werneke, MSU-PLB (2016-present), 3. Klara Scharnagl MSU-PLB (2016-2019); 2. Susan Magnoli, MSU-PLB/KBS (2016-2018); 1. Damian Popovic, MSU-PLB (2016-2018).

## **Courses Taught:**

MSU IBIO/PLB/ENT 830: <i>Quantitative Methods in Ecology and Evolutionary Biology I</i>	FA2021,
<i>Graduate level course (40-60 students) introduction to coding and statistics in R</i>	FA2019,
	FA 2018
MSU IBIO/PLB 355: <i>General Ecology</i>	FA2019,
<i>Undergraduate level course (~200 students) introduction to Ecology</i>	FA 2018
MSU ENT 812: <i>Graduate Seminar: The Ecology and Evolution of Plant-Arthropod Interactions</i>	FA2018
MSU IBIO/PLB 851: <i>Quantitative Methods in Ecology and Evolutionary Biology</i>	SP2017

## **Additional teaching:**

**Guest Lecturer:** MSU-Plant Genomics REU (2018, 2019), Eastern Michigan University Field Arachnology Course (2018), MSU PLB 203 (2017, 2018), MSU IBIO/PLB 355 honors (2017), MSU

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PLB801 (2017)

**Teaching Assistant:** *Evolutionary biology and diversity (Cornell University, BioG1780)* Spring, 2011  
**Teaching Assistant:** *Evolution for non-majors (Cornell University, BioEE2070)* Fall, 2010  
**Science Teaching Intern:** *Elementary Science Partnership- Portland, OR* 2007  
**Teaching Assistant:** *Biology 100: Intro Biology, Lewis & Clark College* Spring, 2005

## ***Teaching development workshops attended:***

**Mentorship Workshop for Faculty,** Kellogg Biological Station, Michigan State 2020  
**Cultural Competency Training,** Michigan State University 2019  
**STEM Teaching Essentials Workshop on Backward Design,** Michigan State University 2018  
**QuILL: Queer Inclusive Learning and Leadership,** Michigan State University 2017  
**Effective Teaching and Learning Workshop,** Michigan State University 2016  
**Teaching Workshop: Cornell Center for Teaching Excellence,** Cornell University 2009

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## **PROFESSIONAL SERVICE**

### ***National/International Service:***

**Reviewer:** Including *Nature, PNAS, Ecology Letters, American Naturalist, Evolution, Ecology, Plant Ecology, Oecologia, American Journal of Botany, Proceedings of the Royal Society B, Journal of Chemical Ecology, Biotropica, New Phytologist, International Journal of Plant Sciences, Botany, PLOS Computational Biology.*

**Associate Editor, The American Naturalist** 2021-Present  
**Symposium Committee Chair, American Society of Naturalists** 2019-2022  
**Special Symposium co-organizer: "Integrating ecological interactions into macroevolution"** 2019  
*Society for the Study of Evolution meeting, Providence, RI.*  
**National Science Foundation Panel Member** 2014, 2017, 2018  
**Special Symposium Organizer: "The evolution of mutualism and their evolutionary impact on biodiversity."** 2018  
*Society for the Study of Evolution meeting, Montpellier, France.*  
**American Society of Naturalist Society Symposium Committee** 2018-2020  
**ASN Young Investigators Special Symposium Organizer, Evolution meeting, Austin, TX** 2016

### ***Institutional Service:***

**Chair, Faculty Advisory Committee (DAC), Department of Plant Biology, MSU** 2021-present  
**Hiring Committee, MSU PLB Plant Ecologist search** 2021-2022  
**Co-Chair, Postdoctoral Fellowship Committee, EEB Program, MSU** 2020  
**Space Committee, Department of Plant Biology, MSU** 2019-present  
**Diversity, Equity, and Inclusion Committee, Department of Plant Biology, MSU** 2019  
**Rodman Speaker Committee, Department of Plant Biology, MSU** 2018-present  
**Faculty Advisory Committee (DAC), Department of Plant Biology, MSU** 2018-2019



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<b>Seminar Committee</b> <i>Ecology, Evolutionary Biology, and Behavior Program, MSU</i>	2018-present
<b>Long Range Planning Faculty Hiring Committee</b> , <i>Department of Plant Biology, MSU</i>	2018-2019
<b>Workload Balance Committee</b> , <i>Department of Plant Biology, MSU</i>	2018
<b>Hiring Committee</b> , <i>MSU PLB/PRI Eco-physiologist search</i>	2017-2018
<b>Hiring Committee</b> , <i>UC Davis Center for Population Biology Postdoctoral Fellowship</i>	2016
<b>Seminar Series Organizer</b> , <i>Center for Population Biology Seminar Series, UC, Davis</i>	2015-2016

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## COMMUNITY & PUBLIC OUTREACH

<b>"Picture a Scientist" Women in Science Panel</b> , <i>Princeton University Press</i>	2020
<b>Bug Talk Podcast</b> , <i>Michigan State Entomology Graduate Student Podcast</i>	2020
<b>Blog Post</b> : "Help us to diversify and humanize biology courses!", <b>Small Pond Science</b> , co-authored with Ash Zemenick	2020
<b>Keynote Speaker</b> , <i>Girls Math and Science Day, Michigan State University</i>	2019
<b>Implicit Bias Workshop</b> , <i>MSU BEACON summit</i>	( <b>Co-Organizer</b> ) 2017
<b>Workshop on "How to Cope with Failure in Science"</b> , <i>UC Davis</i>	( <b>Organizer</b> ) 2016
<b>Women in Science Group (WiSci)</b> , <i>UC Davis</i>	( <b>Co-founder and Organizer</b> ) 2014-2016
<b>Expanding Your Horizons: STEM program for middle school girls</b> , <i>Cornell University</i>	( <b>Organizational Chair</b> ) Annually, 2011-2014
<b>Diversity of insects K-12 course</b> : <i>Cassavant Elementary School, 1<sup>st</sup> grade</i>	( <b>Organizer &amp; teacher</b> ), Annually, 2012-2014
<b>Media Outreach Organizer</b> : <i>Frontiers symposium for women in the life sciences</i>	2012
<b>STEM mentor to middle school girls</b> , <i>Expand Your Horizons, Cornell University</i>	2010 - 2011
<b>Scientific American Podcast</b> : "Arachnophilia!" <b>AAAS Annual Meeting, Boston, MA</b>	2008