MARJORIE G. WEBER

CURRICULUM VITAE (March 2023)

weberm11@msu.edu; +001 (313) 402 6586
Lab website: www.theweberlab.com
See also: www.projectbiodiversify.org

APPOINTMENTS

Assistant Professor, Ecology & Evolutionary Biology August, 2022 - present
University of Michigan

Assistant Professor, Department of Plant Biology 2016 - 2022
Ecology, Evolutionary Biology, & Behavior Program
Michigan State University

Center for Population Biology Postdoctoral Fellow September, 2014-August, 2016
University of California at Davis

EDUCATION

PhD: Ecology & Evolutionary Biology, August, 2009 – August, 2014
Cornell University, Ithaca, NY

Bachelor of Arts: Biology Major, *with honors* September, 2003 - May, 2007
Lewis & Clark College, Portland, OR

LEAVES & MODIFIED DUTIES

Second Child Leave Born in Aug. 2020
12 weeks parental leave, modified duties Fall Semester 2020, one-year tenure clock extension
First Child Leave Born in Nov. 2016
12 weeks parental leave, modified duties Fall Semester 2016, one-year tenure clock extension

PUBLICATIONS

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

Submitted or In Review

*LoPresti, E.F., Mickley, J.G., *Edwards, C.L., and M.G. Weber. ***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.

Robinson, M.L., P.G. Hahn, B.D. Inouye, N. Underwood, S.R. Whitehead, K.C. Abbott, E.M. Bruna, N.I. Cacho, L.A. Dyer, L. Abdala-Roberts, W.J. Allen, J.F. Andrade, D.F. Angulo, D. Anjos, *D.N. Anstett, R. Bagchi, S. Bagchi, M. Barbosa, S. Barrett, *C.A. Baskett, E. Ben-Simchon, K.J. Bloodworth, J.L. Bronstein, Y.M. Buckley, K.T. Burghardt, C. Bustos-Segura, E.S. Calixto, R.L. Carvalho, B. Castagneyrol, M.C. Chiuffo, D. Cinoğlu, E. Cinto Mejía, M.C. Cock, R. Cogni, O.L. Cope, T. Cornelissen, D.R. Cortez, D.W. Crowder, C. Dallstream, W. Dáttilo, J.K. Davis, R.D. Dimarco, H.E.

Dole, I.N. Egbon, M. Eisenring, A. Ejomah, B.D. Elderd, M.-J. Endara, M.D. Eubanks, S.E. Everingham, K.N. Farah, R.P. Farias, A.P. Fernandes, G.W. Fernandes, M. Ferrante, A. Finn, G.A. Florjancic, M.L. Forister, Q.N. Fox, E. Frago, F.M. França, A.S. Getman-Pickering, Z. Getman-Pickering, E. Gianoli, B. Gooden, M.M. Gossner, K.A. Greig, S. Gripenberg, R. Groenteman, P. Grof-Tisza, N. Haack, L. Hahn, S.M. Haq, A.M. Helms, J. Hennecke, S.L. Hermann, L.M. Holeski, S. Holm, M.C. Hutchinson, E.E. Jackson, S. Kagiya, A. Kalske, M. Kalwajtys, R. Karban, R. Kariyat, T. Keasar, M.F. Kersch-Becker, H.M. Kharouba, T.N. Kim, D.M. Kimuyu, J. Kluse, S.E. Koerner, K.J. Komatsu, S. Krishnan, M. Laihonen, L. Lamelas-López, M.C. LaScaleia, N. Lecomte, C.R. Lehn, X. Li, R.L. Lindroth, *E.F. LoPresti, M. Losada, A.M. Louthan, V.J. Luizzi, J.S. Lynn, N.J. Lyon, L.F. Maia, R.A. Maia, T.L. Mannall, B.S. Martin, T.J. Massad, A.C. McCall, K. McGurrin, A.C. Merwin, Z. Mijango-Ramos, C.H. Mills, A.T. Moles, C.M. Moore, X. Moreira, C.R. Morrison, M.C. Moshobane, A. Muola, R. Nakadai, K. Nakajima, S. Novais, C.O. Ogbebor, H. Ohsaki, V.S. Pan, N.A. Pardikes, M. Pareja, N. Parthasarathy, R.R. Pawar, Q. Paynter, I.S. Pearse, R.M. Penczykowski, A.A. Pepi, C.C. Pereira, S.S. Phartyal, F.I. Piper, K. Poveda, E.G. Pringle, J. Puy, T. Quijano, C. Quintero, S. Rasmann, C. Rosche, L.Y. Rosenheim, J.A. Rosenheim, J.B. Runyon, A. Sadeh, Y. Sakata, D.M. Salcido, C. Salgado-Luarte, B.A. Santos, Y. Sapir, Y. Sasal, Y. Sato, M. Sawant, H. Schroeder, I. Schumann, M. Segoli, H. Segre, O. Shelef, N. Shinohara, R.P. Singh, D.S. Smith, M. Sobral, G.C. Stotz, A.J.M. Tack, M. Tayal, J.F. Tooker, D. Torrico-Bazoberry, K. Tougeron, A.M. Trowbridge, S. Utsumi, O. Uyi, J.L. Vaca-Uribe, A. Valtonen, L.J.A. van Dijk, V. Vandvik, J. Villellas, L.P. Waller, M.G. Weber, A. Yamawo, S. Yim, P.L. Zarnetske, L.N. Zehr, Z. Zhong, and W.C. Wetzel. *In review*. Plant size, latitude, and phylogeny explain variability in global herbivory.

Published or In Press:

40. Robinson, M., Weber, M.G, Freedman, M., *Yonenaga, J., and S.Y. Strauss. ***2023.*** Broadscale evolution of coloration in caterpillars reflects their interactions with plants. ***Proceedings of the Royal Society B.***

39. *B.S. Martin, G.S. Bradburd, L.J. Harmon, and M.G. Weber. ***2022***. Modeling the Evolution of Rates of Continuous Trait Evolution. ***Systematic Biology.***

38. *Graham, F., Warneke, C., Weber, M.G., and L. Brudvig. ***2022.*** The Impact of habitat fragmentation on domatia-dwelling mites and a mite-plant-fungus tritrophic interaction. ***Landscape Ecology.***

37. *Zemenick, A. T., S. C. Jones, M. G. Weber, A. J. Webster, E. Raymond, K. Sandelin, T. Kowalczyk, N. Hessami, C. Lund. Dahlburg. ***2022***. Diversifying and humanizing biologist role models through constructing slide deck on researchers' research and life experiences. ***CourseSource***.

36. *Zemenick, A. T., Turney, S., S. C. Jones, Webster, A.J., and M. G. Weber. ***2022***. Six principles for embracing gender and sexual diversity in post-secondary biology classrooms. ***Bioscience.***

35. Chomicki, G., Beinart, R., Prada, C., Ritchie, K.B., and M.G. Weber. ***2022.*** Symbiotic Relationships as Shapers of Biodiversity. ***Frontiers in Ecology and Evolution.***

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., 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. *Foisy, 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. Ramírez, 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 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 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.

GRANTS & FELLOWSHIPS

NSF DEB-2236747: CAREER Grant ($1,040,113, Single PI) 2023-2028
CAREER: Cooperation on the tree of life: Understanding the drivers of mite-plant defense mutualisms via the integration of phylogenetics, ecology, and education. *National Science Foundation.*

ADVANCE Elizabeth Caroline Crosby Faculty Grant ($3,450) 2022-2023
University of Michigan ADVANCE.

NSF IUSE-*2012014*: *DUE - IUSE- Engaged Student Learning Grant* ($1,001,102 total, $480,255 to Weber, Lead PI) 2020-2024
Diversifying and Humanizing Scientist Role Models to Increase the Impact of Data Literacy Instruction on Student Interest and Retention in STEM. *National Science Foundation*

NSF DEB-1831164: Dimensions in Biodiversity Grant ($1,103,146, Single PI) 2018-2023
Dimensions: The causes and consequences of leaf trait evolution for hidden life on the phyllosphere. *National Science Foundation.*

Supplement 2020, NSF-2028570 - Career Life Balance Award ***($23,921)***

Initiation (STINT) grant IB 2018-8066 (10,000 SEK = $10,785, 3PI), *Swedish Foundation For International Cooperation in Research* 2019-2020

Center for Population Biology Postdoctoral Fellowship ($96,000); *University of California, Davis* 2014-2016

ASN Student Research Award ($2,000); *American Society of Naturalists* 2013

NSF Doctoral Dissertation Improvement Grant ($15,000); *National Science Foundation* 2012

NSF Graduate Research Fellowship ($90,000); *National Science Foundation* 2010-2013

Kieckhefer Adirondack Fellowship ($4,000); *Cornell Graduate School* 2010

Sigma Xi National Grant in Aid of Research ($620); *Sigma Xi Assoc., National* 2010

Sigma Xi Research Grant ($776); *Sigma Xi Assoc., Cornell Chapter* 2010

Orenstein Endowment Grant ($1,500); *Orenstein endowment fund, Cornell University* 2009 & 2012

Ecological Society of America Grant ($700); *Fungal Env. Sampling & Informatics Network* 2008

MARJORIE G. WEBER

HONORS & AWARDS

Teacher-Scholar Award – *University-level teaching award Michigan State University* 2022

Teacher-Scholar Award – *College-level teaching award, College of Natural Sciences, Michigan State University* 2021

Excellence in Diversity Award – *University-level DEI Award, Teams-Emerging Progress Category, Michigan State University, for work with Project Biodiversify (website:projectbiodiversify.org)* 2020

Early Career Fellow, *Ecology Society of America* 2018-2023

Jasper Loftus-Hills Young Investigator Award, *The American Society of Naturalists* 2015

Ed Ricketts Seminar Award, *American Society of Naturalists Conference, Asilomar, CA* 2014

LaMont C. Cole Award; *Departmental award for best student paper, Cornell Dept. of EEB* 2012

Rosemary Grant Award; *Society for the Study of Evolution* 2010

Book Award; *Departmental award for best talk by an incoming student, Cornell EEB* 2010

Best Student Talk; *American Arachnology Society* 2008

Biology Prize; *(Top dept. student honor); Dept. of Biology, Lewis & Clark College, OR* 2007

INVITED PRESENTATIONS & INVITED SEMINARS

Department of Ecology & Evolution, *University of Minnesota* 2022

Plenary speaker, Symposium on "Determinants of Rates of Origination, Extinction, and Evolution", *Norwegian Academy - *Invited but declined due to move to U-M* 2022

Keynote speaker, Symposium on the Evolution of Complex Plant-Insect traits, *European Society for Evolutionary Biology Meeting - *Invited but declined due to move to U-M* 2022

Biology Dept. Seminar, *Western Michigan University* 2022

Keynote speaker, Special Symposium on Species Interactions and Plant Chemistry 2022
European Society for Evolutionary Biologists (declined due to move to U-M)

Department of Ecology and Evolutionary Biology Seminar, *University of Michigan* 2021

Special Symposium on Herbivory Through Time & Space, *Entomology Society of America Annual Conference* 2021

Session Keynote, *Phyllosphere Fortnight Conference* 2021

Colloquium Invited Speaker, *Phytochemistry Colloquium, Botany Conference* 2021

Biology Department, *University of Massachusetts, Boston* 2021

Plant Biology Department, *University of California, Riverside* 2021

Graduate Student Invited Speaker, Dept. of Biological Sciences, *University of Arkansas* 2021

Ecology, Evolution, and the Environment Seminar Series, *Durham University* 2021

Graduate Student Invited Speaker, Department of Biology, *Central Vermont University* 2021

Department of Biology, *University of Connecticut* 2020

Department of Biology, *Louisiana State University* 2020

Department of Evolutionary Ecology, *Lund University, Sweden* 2019
Special symposium on Macroevolution and Species Interactions, *Society for the Study of Evolution Meeting, Providence, RI* 2019
Gordon Conference on Speciation, *Ventura, CA* 2019
Ecology Seminar, *Duke University* 2019
Ecology & Evolutionary Biology Department Seminar, *University of Michigan* 2019
Entomology Department Seminar, *Penn. State University* 2018
Biodiversity Center Seminar, *University of British Columbia* 2018
Ecology and Evolutionary Biology Department, *University of Toronto* 2018
150 years of the American Naturalist, *ASN meeting, Asilomar, CA* 2018
Department of Biology, *University of Toronto, Mississauga* 2017
Department of Ecology & Evolutionary Biology Seminar, *University of Arizona, Tucson AZ* 2017
Symposium on Indirect Defense, *Entomological Society Meeting, Denver, Colorado* 2017
Department of Biology Seminar - *University of Idaho* 2017
EvMorph Seminar Series, *University of Chicago & The Field Museum* 2017
Horticulture/Plant, Soil, and Microbial Sciences Seminar Series, *Michigan State University* 2017
Kellogg Biological Station, *Michigan State University* 2017
Distinguished Speaker Department of Plant Biology Seminar Series, *University of Wyoming* 2016
Ecology and Evolution 'Eco-Lunch', *Stanford University* 2016
American Society of Naturalists Young Investigator Symposium, *Evolution Meeting, Brazil* 2015
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

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

MARJORIE G. WEBER

TEACHING & MENTORSHIP

Teacher-Scholar Award – *University-level teaching award- Michigan State University* 2021
awarded to a faculty "who early in their careers have earned the respect of students and colleagues for their devotion to and skill in teaching.

Co-founder & director of Project Biodiversity, *2018-present*
DEI-focused initiative aimed at making biology classrooms more inclusive. The mission of Project Biodiversify is to develop, test, and distribute research-supported teaching materials for inclusive biology education website:projectbiodiversify.org; twitter: @biodiversifying
**Awarded Michigan State University's Excellence in Diversity – Emerging Teams Award, 2020*

Workshops by Project Biodiversify Team: *Clayton County, GA Science Teacher Training (2022); Loyola University (2022); University of Minnesota (2022); University of Wisconsin (2022); Holden Forests & Gardens (2022); University of California, Berkeley (2021); 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); Norther 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:

Abriana Soule, PhD Student (2021-present)
Rosemary Glos, PhD Student (2021-present)
Sylvie Martin-Eberhardt, PhD Student (*co-advised w/ Kadeem Gilbert* 2021-present)
Carolyn Graham, PhD Student (2020-present)
Bruce Martin, PhD Student (2018-present)
Michael Foisy, Masters Student (2018-2020)
Erika LaPlante, Masters Student (2017-2020)
Carina Baskett, PhD Student (*co-advised w/ Doug Schemske,* 2016-2018)

Postdoctoral Mentees:

Melissa Kjelvik (2020-present)
Ash Zemenick (2017-2021)
Andrew Meyers (2019-2022)
Margaret Fleming (2019-2022)
Eric LoPresti (2017-2020)

Undergraduate and Postgraduate Mentees:

20. Bela Fischer (UM Undergraduate Researcher, 2023-present); 19. Azreal Vollmar (UM undergraduate Researcher, 2023-present); 18. Ryan Cheney (UM undergraduate Researcher, 2022-present); 17. Chris Talbot (UM undergraduate Researcher, 2022-present); 16. Samantha Molino (UM Undergraduate Researcher, 2022-present); 15. Paige Trevillian (UM Undergraduate Researcher, 2022-present); 14.

Morgaine Olsen (MSU Undergraduate Researcher 2021-2022); 13. Riley Scanlon (MSU Undergraduate Researcher 2019-2021); 12. Carolyn Graham (MSU Undergraduate Researcher 2016-2020); 11. Caroline Edwards (Research Technician 2018-2020); 10. Thomas Zambiasi (MSU Undergraduate Researcher 2018-2019); 9. Keegan Mackin (MSU Undergraduate Researcher 2018); 8. Daniel Hughes (Research Technician 2017-2019); 7. Ashley Peer (MSU Undergraduate Researcher 2017-2018); 6. Lucy Schroeder (MSU Undergraduate Researcher 2016-2018); 5. Abby Sulesky (MSU Undergraduate Researcher 2016-2018); 4. Susan Gordon (Research Technician 2016-2017); 3. Martin Phan (University of California, Davis Undergraduate Researcher 2015-2016); 2. Jenna Yonenaga (University of California, Davis Undergraduate Researcher 2014-2017); 1. Karen Bitan, Cornell University (Undergraduate Researcher 2013-2014)

Graduate Committees:

30. Anah Soble U-M EEB (2023-present); 29. Juan Albornoz Garzón U-M EEB (2023-present); 28. Matt Hack U-M EEB (2022-present); 27. Diana Medellín-Zabala U-M EEB (2022-present), 26. Simone Oliphant U-M EEB (2022- present). 25. Grace Zhang U-M EEB (2022-present); 24. Caroline Edwards Indiana University (2022-present); 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 (2019-2021); 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 (2020-2023), 15. Julian Liber MSU-PSMB (2020-2021); 14. Alice Puchalsky MSU-IBIO (2019-2022); 13. Brandon Latorre MSU-PLB (2019-present); 12. Lauren Koenig MSU-IBIO (2018-2021); 11. Devin Lake MSU-IBIO (2019-2022); 10. Elizeth Cinto Mejia, MSU-ENT (2018-Present); 9. Kayleigh Courard, MSU-ENT (2018-2021); 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 – 2018); 4. Christopher Werneke, MSU-PLB (2016-2021), 3. Klara Scharnagl MSU-PLB (2016-2019); 2. Susan Magnoli, MSU-PLB/KBS (2016-2018); 1. Damian Popovic, MSU-PLB (2016-2018).

Courses Taught:

UM EEB 410 – Capstone Course in Ecology and Evolutionary Biology — WN23
Senior-level required majors discussion course - ~16 undergraduates

UM BIO 171 – Introductory Biology — FA22
Introductory biology course with ~600 undergraduates each year

MSU IBIO/PLB/ENT 830: *Quantitative Methods in Ecology and Evolutionary Biology I* — FA18, FA19, FA21
Graduate level course (40-60 students/yr) introduction to coding and statistics in R

MSU IBIO/PLB 355: *General Ecology* — FA18, FA19
Undergraduate level course (~200 students/yr) introduction to Ecology

MSU ENT 812: *Graduate Seminar: The Ecology and Evolution of Plant-Arthropod Interactions (~20 students/yr)* — FA18

MSU IBIO/PLB 851: *Quantitative Methods in Ecology and Evolutionary Biology* — SP17

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 PLB801 (2017), MSUPLB801 (2021)

Teaching Assistant: *Evolutionary biology and diversity (Cornell University, BioG1780)* SP 2011

Teaching Assistant: *Evolution for non-majors (Cornell University, BioEE2070)* FA 2010

Science Teaching Intern: *Elementary Science Partnership- Portland, OR* 2007

Teaching Assistant: *Biology 100: Intro Biology, Lewis & Clark College* SP 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

PROFESSIONAL SERVICE

National/International Service:

Associate Editor, The American Naturalist 2021-Present

Scientific Committee, *Society for the Study of Evolution* 2022-2024

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

Reviewer: Including *Nature, PNAS, Ecology Letters, Evolution 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*

Institutional Service:

Frontiers Masters Program Admissions Committee, *EEB Dept., UM*	2022-present
Chair, Early Career Scientist Symposium Committee, *EEB Dept., UM*	2022-present
Chair, Faculty Advisory Committee (DAC), *Department of Plant Biology, MSU*	2021-2022
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
Seminar Committee *Ecology, Evolutionary Biology, and Behavior Program, MSU*	2018-present
Long Range Planning Faculty Hiring Committee, *Department of Plant Biology, MSU*	2018-2019
Workload Balance Committee, *Department of Plant Biology, MSU*	2018
Hiring Committee, *MSU PLB/PRI Eco-physiologist search*	2017-2018
Hiring Committee, *UC Davis Center for Population Biology Postdoctoral Fellowship*	2016
Seminar Series Organizer, *Center for Population Biology Seminar Series, UC, Davis*	2015-2016

COMMUNITY & PUBLIC OUTREACH

"One of the World's Longest-Running Experiments Sends up Sprouts" *New York Times* *2021*
https://www.nytimes.com/2021/05/11/science/seeds-germinated-michigan-state.html

"Buried Treasure: Weeds, Seeds and Zombies" *Gastropod Podcast* *2021*

"Digging up 142-Year-Old Seeds in the Latest Installment in the World's Oldest Experiment" *2021*
Quirks & Quarks, Canadian Broadcasting System

"A Seedy, Late-Night Adventure" *Science Vs Podcast* *2021*

"142-Year-Old MSU Experiment Continues on with New Generation of Scientists" *WKAR* *2021*
Public Media. https://www.wkar.org/news/2021-04-26/142-year-old-msu-experiment-continues-on-with-new-generation-of-scientists

"A 142-Year-Old Science Seed Caper" *NPR* *2021*
https://www.npr.org/transcripts/990183146

"The Secret Mission to Unearth Part of a 142-Year-Old Experiment" *NPR* *2021*
https://www.npr.org/2021/04/21/989333092/the-secret-mission-to-unearth-part-of-a-142-year-old-experiment

"One of the World's Oldest Science Experiments Comes Up From the Dirt", *New York Times* *2021*
https://www.nytimes.com/2021/04/21/science/beal-seeds-experiment.html

"Picture a Scientist" Women in Science Panel, *Princeton University Press* *2020*

Bug Talk Podcast, *Michigan State Entomology Graduate Student Podcast* *2020*

Blog Post*: "Help us to diversify and humanize biology courses!",* ***Small Pond Science,*** *co- authored with Ash Zemenick* *2020*

MARJORIE G. WEBER

Keynote Speaker, *Girls Math and Science Day, Michigan State University* *2019*

Implicit Bias Workshop, *MSU BEACON summit* *(**Co-Organizer**)* 2017

Workshop on "How to Cope with Failure in Science", *UC Davis* *(**Organizer**)* 2016

Women in Science Group (WiSci), *UC Davis* ***(Co-founder and Organizer)*** 2014-2016

Expanding Your Horizons: STEM program for middle school girls, *Cornell University* ***(Organizational Chair)*** Annually, 2011-2014

Diversity of insects K-12 course: *Cassavant Elementary School, 1st grade* *(**Organizer & teacher**)*, Annually, 2012-2014

Media Outreach Organizer: *Frontiers symposium for women in the life sciences* 2012

STEM mentor to middle school girls, Expand Your Horizons, *Cornell University* 2010 - 2011

Scientific American Podcast: "Arachnophilia!" AAAS Annual Meeting, Boston, MA 2008