Dr. Maureen L. Page

Cornell University, Ithaca, USA
mlp257 [at] cornell [dot] edu

CURRENT POSITION

Cornell University 2022 – present
Postdoctoral Scholar, Entomology Department

Research Interests: pollination ecology, agroecology, pollinator health, conservation

EDUCATION

University of California, Davis 2022
Ph.D. Entomology

University of California, Davis 2019
M.S. Entomology

Scripps College 2016
B.A. Biology

FELLOWSHIPS AND GRANTS

Department of Defense, National Defense Science and Engineering Graduate Fellowship. 2018 - 2021. I was one of 69 awardees out of 3,600+ applicants. **$115,200 stipend + tuition payments**

University of California, Davis, Graduate Scholars Fellowship. 2016 – 2017. Prestigious campus-wide fellowship. **$25,200 stipend + tuition payments**

Vansell Scholarship Grant. 2018 and 2019. Awarded to support my research optimizing wildflower plantings to simultaneously support wild and managed bees. **$5,160**

Davis Botanical Society Grant. 2017, 2018, and 2019. Awarded to support my research investigating the effects of honey bee honey bee introductions on the pollination of native plants. **$4,500**

Duffey-Dingle Research Grant. 2018. Awarded to support my research optimizing wildflower plantings to simultaneously support wild and managed bees. **$840**

Northern California Botanists Grant. 2017 and 2018. Awarded to support my research investigating the effects of honey bee introductions on the pollination of native plants. **$2,000**

Scripps College, Environmental Research Grant. 2013. Funding to establish a solitary bee monitoring program at the Bernard Field Station in Claremont, CA. **$1,000**

WORKING PAPERS

Page, M.L., J. Francis, U. Müller, and N.M. Williams. Optimizing wildflower plantings to simultaneously support wild and managed pollinators. *in preparation*

Page, M.L. and N.M. Williams. Evidence of exploitative competition between honey bees and native bees in two California landscapes. *in preparation*

Page, M.L. and N.M. Williams. 2022. Honey bee introductions displace native bees and decrease pollination of a native wildflower. *under review*

PUBLICATIONS

Page, M.L., C.C Nicholson, R. Brennan, A. Britzman, J. Hemberger, J. Greer, H. Kahl, U. Muller, Y. Peng, N. Rosenberger, C. Stuligross, L. Wang, L.H. Yang, and N.M. Williams. 2021. **A meta-analysis of single-visit pollination effectiveness comparing honeybees and other floral visitors**. *American Journal of Botany.* 108: 1–12.

Press: American Bee Journal

Mola, J.M., C. Stuligross, M.L. Page, D. Rutkowski, and N.M. Williams. 2021. **Impact of "non-lethal" tarsal clipping on bumble bees (Bombus vosnesenskii) may depend on queen stage and worker size**. *Journal of Insect Conservation.* 25: 195–201.

Thomson, D.M. and M.L. Page. 2020. **The importance of competition between insect pollinators in the Anthropocene**. *Current Opinion in Insect Science* 38: 55 – 62.

Williams, N.M, J.M. Mola, C. Stuligross, T. Harrison, M.L. Page, R.M. Brennan, N.M. Rosenberger, M. Rundölf. 2019. **Fantastic bees and where to find them: locating the cryptic overwintering queens of a western bumble bee**. *Ecosphere.* e02949.

Page, M.L., J.I. Ison, A.L. Bewley, K.M. Holsinger, A.D. Kaul, K.E. Koch, K.M. Kolis, and S. Wagenius. 2019. **Pollinator effectiveness in a composite: a specialist bee pollinates more florets but does not move pollen farther than other visitors**. *American Journal of Botany.* 106: 1487-98.

LoPresti, E.F., J. Goidell, J.M. Mola, M.L. Page, C.D. Specht, C. Stuligross, M.G. Weber, N.M. Williams, and R. Karban. 2019. **A lever action hypothesis for pendulous hummingbird flowers: experimental evidence from a columbine**. *Annals of Botany.* mcz134.

ACADEMIC PRESENTATIONS AND CONFERENCES

2022	Entomological Society of America.
	Eastern Apiculture Society.
	International Union for the Study of Social Insects.
2021	Entomological Society of America. (*2nd Place in Student Competition*)
2020	Ecological Society of America.
2019	Pacific Branch of the Entomological Society.
2018	UC Davis Bee Symposium. (*2nd Place Poster*)
2017	Ecological Society of America.

INVITED WORKSHOPS

2022 Assessing competition between domesticated bees and wild pollinators. **Aarhus University**.

TEACHING EXPERIENCE

Co-Lead Instructor, ENT 10 – Natural History of Insects Winter 2022
UC Davis

ENT 10 is an entomology course designed to teach non-science majors about the natural history of insects while equipping them with critical thinking and scientific literacy skills. This teaching experience is unique in that the class is entirely designed and taught by graduate students. Another graduate student and I acted as lead instructors, designing the exams and homework assignments and organizing all lectures, grading, and student communication. **Contact: Steve Nadler, sanadler@ucdavis.edu**

Teaching Assistant, PLS 15 – Intro to Sustainable Agriculture Lab Fall 2021
UC Davis

PLS 15 is an introductory plant science course designed to familiarize students with agricultural systems and practices and their ecological impacts. I led one lab section, guiding students through several hands-on exercises designed to introduce them to the scientific method, integrated pest management, and sustainability evaluation. **Contact: Neal Williams, nmwilliams@ucdavis.edu**

Teaching Assistant, BIS 2B - Principles of Ecology and Evolution Lab Winter 2018
UC Davis

BIS 2B is an introductory ecology / general biology course designed to introduce students to important concepts in ecology and evolution. In lab, students interact with living organisms and conduct mini experiments to expand their understanding of ecological concepts and the scientific process. I received excellent TA evaluations with an overall evaluation score of 4.6/5 (N=44/48 student responses). **Contact: Pat Randolph, rprandolph@ucdavis.edu**

Teaching Assistant, ABI 50A – Animal Biology Lab Fall 2017
UC Davis

ABI 50A is an introductory animal biology course designed to introduce students to the scientific method by having them conduct self-designed research projects using *Epilobium canum* as a study system. Students go through the entire scientific process in one quarter, from experimental design and data collection to data analysis using R and manuscript preparation. My teaching evaluations demonstrate that I worked hard to help students improve their written and oral science communication skills. I received an overall evaluation score of 4.8/5 (N = 44/44 student responses). **Contact: Rachel Vannette, rlvannette@ucdavis.edu**

Co-Lead Instructor, ENT / ECL 290 - Racial and Gendered Science Winter 2017
UC Davis

I designed and was one of the primary instructors for a mixed undergraduate and graduate seminar on issues that impact the inclusion of underrepresented communities in the sciences. We designed the course to allow for discussion of these topics but also to help course participants become better teachers, mentors, and advocates for underrepresented students. I received excellent feedback which I used to design a workshop for the UC Davis Entomology Department Retreat in 2018. **Contact: Neal Williams, nmwilliams@ucdavis.edu**

COMMUNITY AND ACADEMIC SERVICE

Student Representative August 2019 – May 2021
Davis Botanical Society

· The Davis Botanical Society supports the UC Davis Plant Conservatory and botanical research. I served as the graduate student representative and helped evaluate student grant applications.

Mentorship Committee August 2017 - August 2021
Girls Outdoor Adventure and Leadership (GOALS)

· GOALS is a free summer program for high school students to learn science and develop leadership and outdoor skills. I was a mentor to one of the scholars in 2017 and served on the mentorship committee from 2018-2021. In 2021, I also helped organize the summer program, gave a lecture on data analysis, and assisted students with their community science project (identifying pollinators in urban gardens).

Mentor November 2016 – 2018
Center for Land-Based Learning

· Mentored students from Sacramento High School. Engaged students in hands-on conservation science at Say Hay Farm and taught students about how wildflower plantings benefit bees.

Guest Lecturer and Workshop Leader October 2016, 2017, and 2019
Hoes' Down Farm Festival

· Gave lectures on "Pollinators on the Farm" and led a "Kids Bug Hunt."

Guest Lecturer October 2016 – January 2017
Master Gardener (El Dorado County)

· Gave an invited lecture on "Beneficial Insects in Home Gardens" and volunteered at the "Secrets of the Soil" workshop, managing a booth about ground-nesting bees.

PEDAGOGICAL TRAINING AND WORKSHOPS

Demonstrated Excellence Workshop July 2016 – August 2016

· Attended a six-week UC Davis Center of Educational Effectiveness workshop series called "Demonstrated Excellence: Scholarly Teaching Strategies to Maximize Student Learning".

Undocu-Ally Educator training February 2017

· Attended an educator training aimed at discussing challenges faced by undocumented students and how educators can better serve and advocate for those students.

Intersections of Science and Social Justice Workshop July 2019

· Collaborated with colleagues at Cornell and the University of Minnesota to organize a lunch discussion and dinner workshop addressing how to make science more open and accessible.

Social Justice in Ecology Reading Group July 2020 – April 2021

· Co-organized a reading group and associated Slack workspace aimed at discussing social justice issues that intersect with ecological research and teaching.

SOFTWARE AND LANGUAGE SKILLS

Computing	R (advanced), QGIS (basics), LaTeX, git
Languages	English (native), French (fluent), Spanish (basics)