Maureen L. Page

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Education

Scripps College 2012 - 2016

- B.A. in Biology (GPA: 3.66, Honors, Cum Laude)

University of California - Davis 2016 - 2019

- M.S. in Entomology (GPA: 4.00)

University of California - Davis 2016 - 2022

- Ph.D. in Entomology (GPA: 4.00)

Selected Undergraduate Work and Research Experience

NSF REU Fellowship. 06– 08.2015; UC Santa Cruz; Advisors: Laurel Fox, Ph.D., Angelita De La Luz, Ph.D.

- Independently designed an experiment that examined the effects of nitrogen and temperature on nectar sugar concentration and pollen production in *B. rapa*.
- Collaborated on a project investigating the effects of nectar sugar concentration on *Bombus vosnesenskii* thermoregulation.

NSF REU Fellowship. 06 - 08.2014; Chicago Botanic Garden; Advisors: Stuart Wagenius, Ph.D., Jennifer Ison, Ph.D.

- Helped design a research experiment that examined whether some insects were more effective pollinators of *Echinacea angustifolia* than others.
- First authored a manuscript for the *American Journal of Botany*.

Research Assistant. 09.2013 – 05.2016; Scripps and Pomona Colleges; Advisors: Diane Thomson, Ph.D., Wallace Meyer, Ph.D.

- Awarded a Scripps Environmental Research Grant to create a reference collection and species list of bee diversity at the Bernard Field Station (Claremont, CA).
- Gained experience collecting, pinning, and identifying bee specimens.
- Presented findings at the Scripps Undergraduate Research Symposium.
- Later worked on a project categorizing pollen deposition by *Bombus vosnesenskii* to *Scrophularia californica* (Fall 2015 – Spring 2016).

Outdoor Women Leaders (OWL) Manager and Trip Leader. 09.2012 – 05.2016; Scripps College; Supervisor: Deborah A. Gisvold.

- Gained experience organizing outdoor excursions, managing budgets, and training student trip leaders. Worked to make outdoor excursions more inclusive for people from underrepresented backgrounds. Promoted to Manager in Fall 2013.

Selected Awards, Grants, and Fellowships

National Defense Science and Engineering Graduate Fellowship. 2018 - 2021. Funded through the Dept. of Defense. I was one of 69 awardees out of 3,600+ applicants.

Northern California Botanists Grant. 2017 and 2018. Awarded to support my research investigating the effects of honey bee abundance on the pollination of native plants.

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

Graduate Scholars Fellowship. 2016 – 2017. Prestigious campus-wide fellowship.

Scripps Environmental Research Grant. 2013. Funding to establish a solitary bee monitoring program at the Bernard Field Station (Claremont, CA).

Conservationist of the Year Award. 2012. Awarded by the City of Ashland.

Selected Conferences and Publications

Thomson D.M. and **M.L. Page.** 2020. The importance of competition between insect pollinators in the Anthropocene. *Current Opinion in Insect Science.* In Press.

Williams N.M, J.M. Mola, C. Stuligross, T. Harrison, **M.L. Page,** R.M. Brennan, N.M. Rosenberger, M. Rundölf. 2020. Fantastic bees and where to find them: locating the cryptic overwintering queens of a western bumble bee. *Ecosphere.* In Press.

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.* In Press.

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.

Page, M.L., K. Goodell, D. Miteva, T'ai Roulston, and N.M. Williams. Can visitation and pollen transport patterns predict plant pollination? Pacific Branch of the Entomological Society. April 2019.

Page, M.L., and Williams N.M. "Impacts of Honey Bee Abundance on the Pollination of *Eschscholzia californica*." UC Davis Bee Symposium. March 2018. **(2nd Place Poster)**

Page, M.L., Ison J.I., and Wagenius S.W. "Pollination of *Echinacea angustifolia*: why are some taxa more effective than others?" Ecological Society of America. August 2017.

Page, M.L. "Effects of nitrogen and temperature on floral reward quality in *Brassica rapa*." Scripps Senior Thesis Symposium. May 2016.

Selected Outreach

Girls Outdoor Adventure and Leadership (GOALS) **August 2017 – present**
GOALS Mentorship Committee

GOALS is a free summer program for students to learn science while backpacking targeted at students underrepresented in STEM. I was a mentor and am now on the mentorship committee.

Center for Land-Based Learning **November 2016 – 2018**
Student and Landowner Education and Watershed Stewardship (SLEWS) Mentor

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.

Hoes' Down Farm Festival **October 2016, 2017, and 2019**
Guest Lecturer and Workshop Leader
Gave lectures on "Pollinators on the Farm" and lead a "Kids Bug Hunt."

Selected Teaching Experience

U.C. Davis **Winter Quarter, January 2018 – March 2018**

Contact: Pat Randolph, rprandolph@ucdavis.edu

BIS 2B - Introduction to Biology: Principles of Ecology and Evolution – TA

BIS 2B is a lower-division 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 and hope to teach this class again.

U.C. Davis **Fall Quarter, September 2017 – December 2017**

Contact: Rachel Vannette, rlvannette@ucdavis.edu

ABI 50A – Animal Biology Lab – TA

ABI 50A is a lower-division 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 statistical software and sharing their results through oral presentations and written manuscripts. This course became particularly challenging for me towards the end of the quarter, when Rachel left for maternity leave and I took over leading class and grading all of the rough and final drafts of student's research manuscripts. However, this challenge also presented an opportunity for me to briefly take on the role of the primary instructor. My TA evaluations demonstrate that I worked hard to help my students successfully preform research using the scientific methods and improve their written and oral science communication skills. Several students mentioned that I was one of the best TAs / faculty they had ever interacted with at U.C. Davis.

U.C. Davis **Winter Quarter, January 2017 – March 2017**

Contact: Neal Williams, nmwilliams@ucdavis.edu

ENT / ECL 290: Racial and Gendered Science

I designed and was the primary instructor for a graduate seminar on issues of race, gender, and sexuality in the sciences. I 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 in STEM. I received excellent feedback for the course and used this feedback to design a workshop for the Entomology Department 2017 retreat.

UC Davis Workshops and Training

"Demonstrated Excellence" CEE Workshop **Summer 2017**

Attended a six-week CEE workshop series called "Demonstrated Excellence: Scholarly Teaching Strategies to Maximize Student Learning." Prepared a teaching demo and discussed the current pedagogical literature with other TAs from a variety of different disciplines.

Undocu-Ally Educator training **February 2017**

Attended a three-hour educator training aimed at discussing challenges faced by undocumented students at U.C. Davis and enhancing participants' ability to serve and advocate for those students.

Graduate Student Diversity Orientation **September 2016**

Attended a two-day orientation geared at discussing diversity issues and preparing graduate students to be advocates for a diverse and inclusive campus community.