

Sara Winsemius

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Education

University of California, Davis

PhD in Ecology, 2017 - present

Advisors: Dr. Yufang Jin and Dr. Hugh Safford

University of California, Berkeley

Bachelor of Science: Environmental Sciences, May 2013

Minor: Forestry and Natural Resources

Thesis: *Plant-soil interactions and implications for restoration of coastal sand dunes at Point Reyes National Seashore.*

Posters

Winsemius S, Jin Y, Safford H. The role of fire in shaping subalpine forest structure and carbon dynamics. Sequoia Science Symposium, November 2018.

Also presented at the Graduate Student Symposium in Ecology, February 2019.

Winsemius S*, Ward L*, Hladik M, Sardinas H, Mills N, Kremen C. Exploring potential routes of neonicotinoid exposure within pollinator hedgerows adjacent to seed-treated sunflower. Keeping Bees Healthy Symposium, May 2016. *authors contributed equally

Winsemius S, Stein C, Parsons L, Ryan A, Suding K. Plant-soil interactions and implications for restoration of coastal sand dunes at Point Reyes National Seashore. California Native Plant Society Conference, January 2015.

Oral Presentations

Winsemius S. Invasive plant-soil interactions and implications for dune restoration and native species at Point Reyes National Seashore. Red Barn Talk Lecture Series. Point Reyes National Seashore, November 2013.

Winsemius S. Strategies for restoration of coastal sand dunes at Point Reyes National Seashore." Environmental Science Senior Thesis Symposium. UC Berkeley, May 2013.

Grants and Awards

2019. CAL FIRE Forest Health Grant Program. "Threats for carbon storage in high montane forests in the Sierra Nevada." \$66,892

2019. Sequoia Parks Conservancy. Sequoia Science Learning Center Research Grants Program. "Threats for carbon storage in high montane forests: evaluating key drivers of change in the Sierra Nevada." \$4,500

2018. Sequoia Parks Conservancy. Sequoia Science Learning Center Research Grants Program.
 "Changing Disturbances Regimes in Subalpine Forests of the Sierra Nevada." \$3,000
 2016. First prize in graduate student poster session, Keeping Bees Healthy Symposium. \$1,000
 2009-2013. UC Berkeley Regents' and Chancellor's Scholarship.

Research Experience

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| UC Davis Jin Lab <i>Graduate Student Researcher</i> | January 2018 – present |
| UC Berkeley Kremen Lab <i>Staff Research Associate/Lab Manager</i> | February 2015 – September 2017 |
| UC Berkeley Kremen Lab <i>Research Assistant</i> | June – October 2014 |
| Point Reyes National Seashore <i>Biological Technician</i> | March – May 2014 |
| Point Reyes National Seashore Association <i>Dune Restoration Intern</i> | May – August 2012 June – November 2013 |
| UC Berkeley Resh Lab <i>Research Lab Assistant</i> | September 2011 - May 2012 |
| Lava Beds National Monument <i>Student Conservation Association, Landscape Restoration Intern</i> | May - August 2010 |
| UC Santa Cruz Younger Lagoon Reserve <i>Wildlife Intern</i> | June - August 2009 |

Teaching Experience

Graduate Teaching

- Teaching Assistant – UCD, Environmental Plant Families, Spring 2019
- Teaching Assistant – UCD, Environmental Remote Sensing, Winter 2019
- Teaching Assistant – UCD, Trees of the Urban Forest, Fall 2018
- Teaching Assistant – UCD, Introduction to Geographic Information Systems, Fall 2017

Guest Science Lecturer

- California College of the Arts, "Nature as Literary Inspiration," Fall 2013

Professional Affiliations & Training

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| UC Davis Data Science Initiative <i>Graduate Student Affiliate</i> | October 2018 - present |
| Wilderness First Aid, NOLS | June 2018 |