

## Sara E. Emery

seemery@ucdavis.edu

### EDUCATION & PROFESSIONAL EXPERIENCE

Postdoctoral Fellow	Wildlife, Fish and Conservation Biology, UC Davis Davis, California, USA Supervisors: Daniel Karp & Jay Rosenheim	2021-present
Postdoctoral Fellow	Ecology, Swedish University of Agricultural Sciences Uppsala, Sweden Supervisors: Ola Lundin & Riccardo Bommarco	2019-2021
Lecturer	Integrative Biology, UC Berkeley Berkeley, California, USA	2019
PhD	Environmental Science, Policy & Management, UC Berkeley Berkeley, California, USA Supervisor: Nicholas Mills	2019
BA	Environmental Studies, UC Santa Cruz Santa Cruz, California, USA Supervisor: Stephen Gliessman	2006

### PUBLICATIONS

**Emery, S., M. Jonsson, A. Ribiero, H. Silva and N. Mills, 2021.** High agricultural intensity at the landscape scale benefits pests, but low intensity practices at the local scale can mitigate these effects. **Agriculture, Ecosystems and Environment. 306: 107199.**

**Emery, S., P. Anderson, G. Carlsson, H. Friberg, M. C. Larsson, A. Wallenhammar and O. Lundin. 2021.** The potential of intercropping for multifunctional crop protection in oilseed rape (*Brassica napus* L.). **Frontiers in Agronomy. 3:782686.**

**Emery, S. and N. Mills, 2020.** Effects of predation pressure and prey density on short-term indirect interactions between two prey species that share a common predator. **Ecological Entomology. 45: 821-830.**

**Emery, S. and N. Mills, 2019.** Sources of variation in the adult flight of walnut husk fly (Diptera: Tephritidae): a phenology model for California walnut orchards. **Environmental Entomology. 48: 234-244.**

**Emery, S. and N. Mills, 2019.** Effects of temperature and other environmental factors on the post-diapause development of walnut husk fly *Rhagoletis completa* (Diptera: Tephritidae). **Physiological Entomology. 44: 33-42.**

**Emery, S., M. Klapwijk, R. Sigvald, R. Bommarco and O. Lundin.** Cold winters drive consistent and spatially synchronous 8-year population cycles of cabbage stem flea beetle. ***In Revision: Journal of Animal Ecology.***

## RESEARCH GRANTS

2020, 2021	Stiftelsen Adolf Dahls Fund, Royal Swedish Agricultural Academy	\$30,000
2019	Research grant, Swedish University of Agricultural Science- Center for Biological Control	\$20,000
2017	Graduate Research Opportunities Worldwide, National Science Foundation and The Swedish Research Council	\$12,500
2015, 2016	van den Bosch Scholarship, UC Center for Biological Control	\$25,000
2015	Fulbright Student Program Research Grant, Institute of International Education	\$30,000
2014	California Walnut Board	\$15,000
2012, 2015	Walker Fund in Systematic Entomology, UC Berkeley	\$6,000
2012	California Celery Board	\$5,000
2012	Graduate Research Fellowship Program, National Science Foundation	\$134,000

## ORAL PRESENTATIONS

2022, 2019	Ecological Society of America annual meeting
2022, 2016	International Congress of Entomology
2018, 2017, 2014	Entomological Society of America annual meeting

## TEACHING EXPERIENCE

2019	Lecturer, Biology 1B (main section). UC Berkeley, CA
2017-2018	Graduate Student Researcher, Curriculum development Biology 1B. UC Berkeley, CA
2014, 2018	Graduate Student Instructor, Biology 1B (field section, main). UC Berkeley, CA. <i>Awarded: Outstanding Graduate Student Instructor 2014</i>
2014	Co-Instructor, Introductory Statistics. Mount Tamalpais College (Prison University Project- PUP), CA
2013	Lead Instructor, Critical Research. Mount Tamalpais College (PUP), CA
2012	Graduate Student Instructor, Insect Behavior. UC Berkeley, CA
2006	Teaching Assistant, General Ecology. UC Santa Cruz, CA

## ACADEMIC SERVICE

2018-present	Reviewer for Ecology Letters, Ecology, Journal of Applied Ecology, BioScience, Communications Biology, Journal of Economic Entomology, Agricultural and Forest Entomology, Austral Entomology, and Environmental Entomology
2014-2015	Graduate Student Admissions Committee, UC Berkeley
2012-2013	Coordinator, Essig Brunch Entomology Seminar, UC Berkeley

## AWARDS

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- 2014 Outstanding Graduate Student Instructor, UC Berkeley  
2006 Dean's award for undergraduate thesis: *A comparative analysis of intercrop studies over 15 years at the UCSC Center for Agroecology and Sustainable Food Systems (CASFS) farm*

## MENTORING AND VOLUNTEER ACTIVITIES

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- 2019-2021 Mentored 3 PhD students, Swedish University of Agricultural Sciences  
2015-2017 Mentored 3 undergraduate students, Universidad de la República, Uruguay  
2014-2018 Mentored 5 undergraduate students underrepresented in science, UC Berkeley  
2015-2022 Volunteer, Survivor's Alliance  
2013-2015 Volunteer, Expanding Your Horizons, UC Berkeley  
2013-2015 Volunteer Instructor, Mount Tamalpais College (Prison University Project)

## LANGUAGES

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- English mother tongue  
Spanish fluent  
French conversational

## REFERENCES

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|----------------|--|--------------------------------|
| Nicholas Mills | <a href="mailto:nmills@berkeley.edu">nmills@berkeley.edu</a>         | PhD supervisor UC Berkeley     |
| Jay Rosenheim  | <a href="mailto:jarosenheim@ucdavis.edu">jarosenheim@ucdavis.edu</a> | Postdoc co-supervisor UC Davis |
| Ola Lundin     | <a href="mailto:ola.lundin@slu.se">ola.lundin@slu.se</a>             | Postdoc supervisor SLU         |