

## Clara Stuligross

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### EDUCATION & TRAINING

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Postdoctoral Scholar	<b>University of California, Riverside</b> Evolution, Ecology, & Organismal Biology Mentor: Nicole Rafferty	2023 – Present <i>Riverside, CA</i>
Postdoctoral Scholar	<b>University of California, Davis</b> Entomology & Nematology Mentor: Neal Williams	2022 – 2023 <i>Davis, CA</i>
Ph.D.	<b>University of California, Davis</b> Ph.D. in Ecology Major Professor: Neal Williams Committee Members: Jay Rosenheim, Louie Yang	2016 – 2022 <i>Davis, CA</i>
B.A.	<b>Earlham College</b> B.A. in Environmental Studies Minors in Biology and Outdoor Education	2010 – 2014 <i>Richmond, IN</i>

### FELLOWSHIPS, GRANTS, & AWARDS

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2017-22	National Science Foundation Graduate Research Fellowship
2019, 21	Best Poster, UC Davis Graduate Student Symposium in Ecology
2020	Second Place, President's Prize, Entomological Society of America
2017,18,19,20	Henry A. Jastro Graduate Research Award, UC Davis
2020	Travel Award, Ecological Society of America
2017, 19	Conference Travel Award, UC Davis
2016-18	UC Davis Graduate Group in Ecology Fellowship
2014	Phi Beta Kappa, Earlham College
2014	College & Departmental Honors, Earlham College
2010-14	Earlham College Presidential Honors Scholarship
2013	National Science Foundation Research Experience for Undergraduates
2012	Winner, Debating for Democracy National Competition

### PUBLICATIONS

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**Stuligross, C.**, Melone, G.G.,<sup>#</sup> Wang, L.,<sup>#</sup> and Williams, N.M. 2023. Sublethal behavioral impacts of resource limitation and insecticide exposure reinforce negative fitness outcomes for a solitary bee. *Science of the Total Environment* 867: 161392. (<sup>#</sup> = mentored undergraduate student)

Rundlöf, M.,<sup>\*</sup> **Stuligross, C.**,<sup>\*</sup> Lindh, A., Malfi, R.L., Burns, K., Cibotti, S., Mola, J.M., and Williams, N.M. 2022. Flower plantings support wild bee reproduction and may also mitigate pesticide exposure effects. *Journal of Applied Ecology* 59: 2117-2127. (<sup>\*</sup> = co-first authors)  
Press: *Xerces Society for Invertebrate Conservation*

**Stuligross, C.** and Williams, N.M. 2021. Past insecticide exposure reduces bee reproduction and population growth rate. *Proceedings of the National Academy of Sciences* 118: e2109909118.

Press: *Science Magazine, National Geographic, The Guardian, Popular Science, KQED News, Sacramento Bee, Pacific Northwest Ag Network, and others.*

Page, M.L., Nicholson, C.C., Brennan, R.M., Britzman, A.T., Greer, J., Hemberger, J., Kahl, H., Müller, U., Peng, Y., Rosenberger, N.M., **Stuligross, C.**, Wang, L., Yang, L.H., and Williams, N.M. 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., **Stuligross, C.**, Page, M.L., Rutkowski, D., and Williams, N.M. 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.

**Stuligross, C.** and Williams, N.M. 2020. Pesticide and resource stressors additively impair wild bee reproduction. *Proceedings of the Royal Society B* 287: 20201390.

Press: *Capital Press, Fox 40 Morning News, KCRA 3 News, Pacific Northwest Ag Network, ScienceDaily, Woodland Daily Democrat, AgriPulse, and others.*

LoPresti, E.F., Goidell, J., Mola, J.M., Page, M.L., Specht, C.D., **Stuligross, C.**, Weber, M.G., Williams, N.M., and Karban, R. 2020. The lever action hypothesis for pendulous hummingbird flowers; experimental evidence from a columbine. *Annals of Botany* 125: 59-65.

Williams, N.M., Mola, J.M., **Stuligross, C.**, Harrison, T., Page, M.L., Brennan, R.M., Rosenberger, N.M., and Rundlöf, M. 2019. Fantastic bees and where to find them: locating the cryptic overwintering queens of a western bumble bee. *Ecosphere* 10: e02949.

Malfi, R.L., Walter, J.A., Roulston, T.H., **Stuligross, C.**, McIntosh, S., and Bauer, L. 2018. The influence of conopid flies on bumblebee colony productivity under different food resource conditions. *Ecological Monographs* 88: 653-671.

Press: *Smithsonian Channel* documentary film, “Secrets of the Hive”

Kanaski, A.,\* **Stuligross, C.**,\* Pareja, J. and Tori, W. 2012. Long-tailed Manakin (*Chiroxiphia linearis*), *Birds of the World* (T.S. Schulenberg, editor). Cornell Lab of Ornithology, Ithaca, NY. (\* = co-first authors)

## ACADEMIC PRESENTATIONS

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### ORAL PRESENTATIONS

**2022** Entomological Society of America Annual Meeting. Vancouver, Canada.  
Orchard Bee Association Annual Conference.

**2021** Entomological Society of America Annual Meeting.

**2020** Orchard Bee Association Annual Conference.  
Entomological Society of America Annual Meeting. (2<sup>nd</sup> Place in Student Competition)  
Ecological Society of America Annual Meeting.  
UC Davis Graduate Student Symposium in Ecology. Davis, CA.

**2019** Entomological Society of America Annual Meeting. St. Louis, MO.

**2018** Orchard Bee Association Annual Conference. Davis, CA.

**2017** Orchard Bee Association Annual Conference. Davis, CA.

**2014** Ecological Society of America Annual Meeting. Sacramento, CA.

Earlham College 5<sup>th</sup> Annual Undergraduate Research Conference. Richmond, IN.  
 Butler University 26<sup>th</sup> Annual Undergraduate Research Conference. Indianapolis, IN.  
**2013** Earlham College Biology Departmental Colloquium. Richmond, IN.  
 27<sup>th</sup> Annual Univ. of Virginia Blandy Experimental Farm Research Forum, Boyce, VA.

## POSTERS

**2021** UC Davis Graduate Student Symposium in Ecology. (*1<sup>st</sup> Place Poster*)  
**2020** Scandinavian Association for Pollination Ecology (SCAPE) Annual Conference.  
**2019** International Conference on Pollinator Biology, Health, and Policy. Davis, CA.  
 UC Davis Graduate Student Symposium in Ecology. Davis, CA. (*1<sup>st</sup> Place Poster*)  
**2018** Entomological Society of America Annual Meeting. Vancouver, Canada.  
**2013** Earlham College Undergraduate Science Poster Conference. Richmond, IN.

## RESEARCH EXPERIENCE

<b>UC Davis, Department of Entomology</b>	<i>Davis, CA</i>
Graduate Student Researcher, Neal Williams' Lab	<i>2016 – 2022</i>
<b>Michigan State University, Department of Entomology</b>	<i>East Lansing, MI</i>
Research Technician, Rufus Isaacs' Lab	<i>2014</i>
<b>Earlham College, Biology Department</b>	<i>Richmond, IN</i>
Undergraduate Independent Researcher, Mentor: Wendy Tori	<i>2013-2014</i>
<b>NSF REU Program, Blandy Experimental Farm, Univ. of Virginia</b>	<i>Boyce, VA</i>
Undergrad Research Fellow, Mentors: T'ai Roulston & Rosemary Malfi	<i>2013</i>
<b>Earlham College, Environmental Studies Department</b>	<i>Richmond, IN</i>
Undergraduate Independent Researcher, Mentor: Jay Roberts	<i>2012</i>

## SELECTED TEACHING AND PROFESSIONAL EXPERIENCE

<b>Course Instructor, NSF Graduate Research Fellowship Program (GRFP)</b>	<i>Fall 2020</i>
<b>Proposal Writing Seminar</b>	
University of California, Davis	
<b>Teaching Assistant, Introduction to Sustainable Agriculture</b>	<i>Fall 2020, 2021, Summer 2022</i>
University of California, Davis	<i>Professor: Neal Williams</i>
<b>Course Organizer, Bee Ecology</b>	<i>Fall 2018</i>
University of California, Davis	<i>Co-organizer with Neal Williams</i>
<b>Science Educator</b>	<i>2014-2016</i>
Carnegie Museum of Natural History	<i>Pittsburgh, PA</i>
<b>Teaching Assistant, Ornithology</b>	<i>Spring 2014</i>
Earlham College	<i>Professor: Wendy Tori</i>
<b>Backpacking Expedition Leader</b>	<i>2012-2013</i>
Earlham College Outdoor Education Program	<i>Richmond, IN</i>
<b>Intern, Office of Children's Health Protection</b>	<i>Summer 2012</i>
U.S. Environmental Protection Agency	<i>Washington, D.C</i>

## WORKSHOPS AND PROFESSIONAL DEVELOPMENT

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- 2022 **Seminar on College Teaching**, University of California, Davis
- 2019 **The Bee Course**, American Museum of Natural History
- 2017 **UndocuAlly Program for Educators**, Undocumented Center at UC Davis
- 2015 **Accessibility Training**, Carnegie Museum of Natural History
- 2011 **Wilderness First Responder**, SOLO Wilderness Medicine

## SELECTED SERVICE AND OUTREACH

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**Manuscript Peer-Reviewer:** Agricultural and Forest Entomology; Agriculture, Ecosystems & Environment; Biological Conservation; BMC Ecology and Evolution; Chemosphere; Ecology and Evolution; Environmental Entomology; Global Change Biology; Journal of Applied Ecology; Journal of Pollination Ecology; Scientific Reports

- 2018-22 **Media interviews** for coverage of research (e.g. *National Geographic*, *Science Magazine*, *The Guardian*, *KQED Deep Look*, *NPR BlueDot Podcast*, *Fox40*, and others)
- 2022 **Presenter**, Health Council of Marin (public talk on environmental pesticide exposure)
- 2018-20 **K-12 Science Teacher**, Young Scientist Program, UC Davis
- 2018-20 **Graduate Group in Ecology Admissions Committee**, UC Davis
- 2016-19 **Workshop Leader**, Hoes Down Harvest Festival, Fully Belly Farm, CA
- 2018 **Presenter**, USDA Native Pollinators Program, Davis, CA
- 2018 **Mentor**, Women in Sciences & Engineering Program (WiSE), UC Davis
- 2018 **Mentor**, Student and Landowner Edu. and Watershed Stewardship (SLEWS) Program
- 2017 **Panelist**, NSF-GRFP Workshop, Davis, California
- 2017 **Presenter**, Western Apicultural Society Conference, Davis, CA