

# Clara Stuligross

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## EDUCATION

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2016 – Present	<b>University of California, Davis</b> PhD Candidate in Ecology Major Professor: Neal Williams	<i>Davis, CA</i>
2010 – 2014	<b>Earlham College</b> B.A. in Environmental Studies Minors in Biology and Outdoor Education	<i>Richmond, IN</i>

## FUNDING

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### FELLOWSHIPS

2017-22	National Science Foundation Graduate Research Fellowship
2016-18	UC Davis Graduate Group in Ecology Fellowship
2010-14	Earlham College Presidential Honors Scholarship

### GRANTS & AWARDS

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

## PUBLICATIONS

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**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.

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.

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.

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 for 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.

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

## SELECTED PRESENTATIONS [O] = oral presentation; [P] = poster presentation

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**2021** Flower plantings support wild bee reproduction and may mitigate pesticide exposure effects. *Entomological Society of America Annual Meeting*. [O]

Larval insecticide exposure carries over to reduce bee reproduction. *UC Davis Graduate Student Symposium in Ecology*. [P] **\*First place in poster contest**

**2020** Larval pesticide exposure reduces adult wild bee reproduction. *Entomological Society of America Annual Meeting*. [O] **\*Second place in student competition**

Larval pesticide exposure reduces adult wild bee reproduction. *Scandinavian Association for Pollination Ecology (SCAPE) Annual Conference*. [P]

Combined pesticide and resource stressors impair wild bee reproduction and behavior. *105<sup>th</sup> Ecological Society of America Annual Meeting*. [O]

Combined pesticide and resource stressors impair bee reproduction. *UC Davis Graduate Student Symposium in Ecology, Davis, CA*. [O]

**2019** Combined pesticide and resource stressors impair bee reproduction. *Entomological Society of America Annual Meeting, St. Louis, MO*. [O]

Direct and interactive effects of nutrition and pesticide stressors on the solitary bee *Osmia lignaria*. *International Conference on Pollinator Biology, Health, and Policy, Davis, CA*. [P]

Direct and interactive effects of nutrition and pesticide stressors on the solitary bee *Osmia lignaria*. *UC Davis Graduate Student Symposium in Ecology, Davis, CA*. [P]

**\*First place in poster contest**

**2018** Direct and interactive effects of nutrition and pesticide stressors on the solitary bee *Osmia lignaria*. *Orchard Bee Association Annual Conference, Davis, CA*. [O]

Direct and interactive effects of nutrition and pesticide stressors on the solitary bee *Osmia lignaria*. *Entomological Society of America, ESC, and ESBC Joint Annual Meeting, Vancouver, Canada*. [P]

**2014** Assessing risk of conopid parasitism in foraging bumble bees using radio frequency technology. *99<sup>th</sup> Ecological Society of America Annual Meeting, Sacramento, CA*. [O]

## SELECTED RESEARCH EXPERIENCE

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**UC Davis, Department of Entomology**  
Graduate Student Researcher, Neal Williams' Lab

Davis, CA  
2016 – Present

<b>Michigan State University, Department of Entomology</b> Research Technician, Rufus Isaacs' Lab	<i>East Lansing, MI</i> 2014
<b>Earlham College, Biology Department</b> Undergraduate Independent Researcher, Mentor: Wendy Tori	<i>Richmond, IN</i> 2013-2014
<b>NSF REU Program, Blandy Experimental Farm, Univ. of Virginia</b> Undergraduate Research Fellow, Mentors: T'ai Roulston & Rosemary Malfi	<i>Boyce, VA</i> 2013

## **SELECTED TEACHING AND PROFESSIONAL EXPERIENCE**

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

## **WORKSHOPS AND PROFESSIONAL DEVELOPMENT**

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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-Review:** Journal of Applied Ecology, Ecology and Evolution, Agriculture, Ecosystems & Environment, Chemosphere, Scientific Reports, Ag. and Forest Entomology

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