

ERICA SARRO

esarr002@ucr.edu • ericasarro.com

EDUCATION

- 2017-Present UNIVERSITY OF CALIFORNIA RIVERSIDE | Degree in Progress
PhD Candidate; NSF Computational Entomology Fellow
Department of Entomology; Woodard Lab
- 2010-2014 COLORADO COLLEGE | Degree Awarded May 2014
Bachelor of Arts in Biology – Organisms, Ecology & Evolution; Minor in Environmental Issues
cum laude, Distinction in Biology

PUBLICATIONS

- **Sarro E**, P Sun, K Mauck, *D Rodriguez-Arellano, N Yamanaka, SH Woodard. *Submitted 2020*. An organizing feature of bumble bee life history: queen reproduction is synchronized with worker emergence in nests.
*undergraduate mentee

INVITED TALKS

- **Sarro E**, SH Woodard (2019) Social regulation of queen reproductive physiology. *BOMBUSS 2.0: Building Our Methods by Using Sound Science, Next Steps in North American Bumble Bee Monitoring and Conservation*, Toronto, ON.
- **Sarro E** (2014) The power of active citizenship. Keynote Speech. *Pikes Peak Justice & Peace Commission's Annual Meeting*. Colorado Springs, CO.

CONTRIBUTED TALKS

- Fisher, K, **E Sarro**, SH Woodard (2019) Developing a predictive framework for bumble bee task allocation in response to global change. *Entomological Society of America*, St. Louis, MO.
- *Miranda C, **E Sarro**, K Fisher, SH Woodard (2019) Crowdsourcing video data analysis of *Bombus impatiens* behavior in microcolonies. *Pacific Branch of the Entomological Society of America*, San Diego, CA.
- **Sarro E** (2018) Does the social environment confer resilience? Effects of bumble bee workers on queen nest initiation. *Entomology Graduate Student Seminar Day*, Riverside, CA.
- **Sarro E** (2014) The effect of housing density and proximity to water on bee community assemblages. *Colorado College Annual Biology Day*, Colorado Springs, CO.
*undergraduate mentee

POSTERS

- Fisher K, **E Sarro**, SH Woodard (2019) A new paradigm for studying bumble bee division of labor using microcolonies. *BOMBUSS 2.0: Building Our Methods by Using Sound Science, Next Steps in North American Bumble Bee Monitoring and Conservation*, Toronto, ON.
- **Sarro E**, P Sun, K Mauck, N Yamanaka, SH Woodard (2019) Social regulation of queen reproductive physiology. *Entomology Graduate Student Seminar Day*, Riverside, CA.
- *Zhou G, **E Sarro**, K Fisher, *A Vanecek, K Watrous, SH Woodard (2019) Accelerated egg laying behavior in *Bombus impatiens* queens. *Pacific Branch of the Entomological Society of America*, San Diego, CA.
- **Sarro E**, SH Woodard (2018) Does the social environment confer resilience? Effects of bumble bee workers on queen nest initiation. *Ecological Society of America*, Vancouver, BC.
- **Sarro E**, J Braun, J Cavender-Bares, S Hobbie, W Pearse (2013) Test of homogenization of leaf traits across US cities. *Ecological Homogenization of Urban America Meeting*, Minneapolis, MN.
*undergraduate mentee

AWARDS

- 2019 Award | Outstanding Poster, Department of Entomology, University of California Riverside

- 2019 Award | Outstanding Graduate Student, Department of Entomology, University of California Riverside
- 2019 Grant | Mildred E. Mathias Graduate Student Research \$1000, University of California Natural Reserve System
- 2018-2021 Fellowship | Research Traineeship in Computational Entomology, National Science Foundation
- 2018 Honorable Mention | Graduate Research Fellowship Program, National Science Foundation
- 2017 Fellowship | Chancellor's Distinguished Fellowship, University of California Riverside
- 2014 Award | James Enderson Award in Conservation Biology, Colorado College
- 2013 Fellowship | Research Experience for Undergraduates, National Science Foundation
- 2010-2014 Scholarship | Presidential Scholarship, Colorado College

TEACHING EXPERIENCE

- 2018-Present Curriculum Developer & Teacher | Junior Entomologists Summer Camp, Entomology Department, University of California Riverside, Riverside, CA
- 2019 Guest Lecturer | Adventure Risk Challenge Yosemite, Yosemite National Park, CA
- 2016-2017 Teacher | PoshSplat Paint Studio, Boulder, CO
- 2014-2015 Paraprofessional (Departmental Teaching Assistant & Field Technician) | Colorado College Organismal Biology & Ecology, Colorado Springs, CO
- 2011-2012 Teacher | Muscoot Farm, Katonah, NY

OUTREACH & SERVICE

- 2018-Present Founder & Coordinator | Junior Entomologists Summer Camp, Entomology Department, University of California Riverside
- 2019-Present Member | SciComm at UCR, University of California Riverside
- 2019-2020 Graduate Student Representative | Outreach Committee, Entomology Department, University of California Riverside
- 2019 Trip Leader | Science in the Field: Tracking Wild Bumble Bees in Sequoia, Atlas Obscura, Mineral King, CA
- 2017-2018 Outreach Coordinator | Entomology Department, University of California Riverside
- 2016 Research Intern | The Guppy Project, University of California Riverside, Arima Valley, Trinidad & Tobago
- 2015-2016 Zoo Interpretation Intern | Butterfly Pavilion Invertebrate Zoo, Westminster, CO
- 2015-2016 Entomology Collections Volunteer | University of Colorado Museum of Natural History, Boulder, CO
- 2012-2014 Sustainability Intern | Pikes Peak Justice & Peace Commission, Colorado Springs, CO
- 2012-2013 Lead Community Restoration Intern | Colorado Springs Together, Colorado Springs, CO