

Stephanie Castillo

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Education

- Expected 2022 University of California, Riverside
Doctor of Philosophy in Entomology
- December 2016 San Diego State University
Bachelor of Science in Biology with an emphasis in Evolution and Systematics
Cum Laude
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Research Experience

- 2017 **Ph.D. Student**
Department of Entomology
University of California, Riverside
- Combining morphological and molecular data to investigate the evolutionary history of Peiratinae (Hemiptera: Heteroptera: Reduviidae) and putative aposematic color patterns.
Advisor: Dr. Christiane Weirauch
- 2015-2017 **Research Assistant**
Department of Biology
Program Area: Evolutionary Biology
San Diego State University
San Diego, CA
Funding: NIH IMSD Scholars Program
- Combined morphology and molecular data to increase confidence in taxonomic hypotheses, resulting in phylogeny-based reclassifications of higher-level taxonomy in Travunioidea (Opiliones: Laniatores).
Advisor: Dr. Marshal Hedin, Professor, Department of Biology
- Summer 2016 **Intern**
Department of Entomology
Smithsonian Institution National Museum of Natural History
Washington, DC
Funding: NSF REU Site: Natural History Research Experience
- Conducted a taxonomic revision of the mydas-fly genus *Plyomydas* (Diptera: Mydidae) and described two new species.
Advisor: Dr. Torsten Dikow, Curator of Diptera
- Summer 2015 **Intern**
Department of Entomology
California Academy of Sciences
San Francisco, CA
Funding: NSF REU Site: Summer Systematics Institute
- Assessed homology and variation in light of a preliminary molecular phylogeny using scanning electron microscopy. (Opiliones: Laniatores).
Advisor: Dr. Charles Griswold, Schlinger Chair of Arachnology
Co-Advisor: Darrell Ubick, Senior Curatorial Assistant
- Spring 2015 **Research Trainee**
Department of Biology
Program Area: Evolutionary Biology
San Diego State University
San Diego, CA
- Contributed in the development of new molecular markers for spider phylogenetics.

Advisor: Dr. Marshal Hedin, Professor, Department of Biology
Mentor: Dr. James Starrett

Summer 2014

Research Assistant

Department of Biology
Program Area: Ecology
San Diego State University
San Diego, CA

Sweep sampled arthropods from riparian vegetation types and sorted them for studies investigating changes in arthropod communities and vegetation development in restoration sites.

Advisor: Dr. Kathy S. Williams, Professor of Biology, Department of Biology

Publications

Castillo SE, Dikow T. (2017). Taxonomic revision of *Plyomydas* Wilcox and Papavero, 1971 with the description of two new species and its transfer to Mydinae (Insecta: Diptera: Mydidae). *Revista Brasileira de Entomologia*.

Presentations

- 6 Nov. 2017 **Castillo SE**, Weirauch C. Investigating the evolutionary history of the pirate assassin bugs (Hemiptera: Reduviidae: Peiratinae). Entomology 2017-Entomological Society of America (ESA), Denver, CO. *Poster Presentation*
- 14 Oct. 2016 **Castillo SE**, Derkarabetian S, Ubick D, Griswold C, Hedin M. Morphological studies of short-range endemic Japanese and Californian harvestmen (Opiliones: Laniatores: Travunioidea). Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS), Long Beach, CA. *Poster Presentation*
- 7 Oct. 2016 **Castillo SE**, Dikow T. Taxonomic Revision of the mydas-fly genus *Plyomydas* Wilcox & Papavero, 1971 (Insecta: Diptera). Undergraduate Research Symposium, San Diego State University, San Diego, CA. *Oral Presentation*
- 4 Aug. 2016 **Castillo SE**, Dikow T. Taxonomic Revision of the mydas-fly genus *Plyomydas* Wilcox & Papavero, 1971 (Insecta: Diptera). Natural History Research Experience Symposium, Smithsonian Institution National Museum of Natural History, Washington, DC. *Poster Presentation*
- 4 Mar. 2016 **Castillo SE**, Ubick D, Derkarabetian S, Griswold C, Hedin M. Morphological studies of short-range endemic Japanese and Californian harvestmen (Opiliones: Laniatores: Travunioidea). Student Research Symposium, San Diego State University, San Diego, CA. *Poster Presentation*
- 5 Jan. 2016 **Castillo SE**, Ubick D, Derkarabetian S, Griswold C, Hedin M. Morphological studies of short-range endemic Japanese and Californian harvestmen (Opiliones: Laniatores: Travunioidea). Society for Integrative and Comparative Biology (SICB), Portland, OR. *Poster Presentation*
- 6 Aug. 2015 **Castillo SE**, Ubick D, Griswold C, Hedin M. Assembling the puzzle: morphology and biogeography of short-range endemic Japanese and Californian harvestmen (Opiliones: Laniatores: Travunioidea). Summer Systematics Institute Symposium, California Academy of Sciences, San Francisco, CA. *Oral Presentation*

Professional Memberships

- 2017 Entomological Society of America
- 2016 Society for Advancement of Chicanos/Hispanics and Native Americans in Science
- 2016 Society for Integrative and Comparative Biology
- 2016 American Arachnological Society

Honors and Awards

- 2016 NSF Research Experiences for Undergraduates Site: Natural History Research Experience, Smithsonian Institution National Museum of Natural History
- Spring 2016 Dean's List
- 2016 SICB Annual Meeting Charlotte Mangum Student Support Program
- Fall 2015 Dean's List
- 2015 NIH Initiative for Maximizing Student Development Scholar
- 2015 BIO-OCE Research Experiences for Undergraduates Travel Scholarship, \$1,000

2015 NSF Research Experiences for Undergraduates Site: Summer Systematics Institute, California
Academy of Sciences
Fall 2013 Dean's List

Organizations and Community Involvement

- 2 Aug. 2016 **Public educator**
The Scientist Is In
O. Orkin Insect Zoo, Smithsonian Institution National Museum of Natural History
Washington, DC
- Shared with the public the importance of natural history collections for research and educated visitors on Mydidae flies. Demonstrations included an insect display case with mydids, enlarged images, and a microscope with several flies to allow visitors to make their own scientific observations.
- 12 Mar. 2016 **Field guide**
Natural History of Torrey Pines State Park field trip
La Jolla, CA
- Educated the members of San Diego State University's Natural History Club on the plants in Torrey Pines State Park and their natural history.
- 2015-2016 **Vice President**
Natural History Club at San Diego State University
San Diego, CA
- Advertised and arranged monthly meetings, aided in recruiting guest speakers to educate the community on topics related to natural history, and helped organize the Biodiversity Museum display case at SDSU.
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University Affiliated Fieldwork and Collecting

- Aug. 2016. Inyo County, CA. Collection of *Habronattus* jumping spiders for molecular work, SDSU.
- Mar. 2016. Sierra Nevada and the extended Bay Area, CA. Collection of *Zuma* harvestmen for molecular work, SDSU.
- June-Aug. 2014 Mission Trails Regional Park, CA. Sweep sampling of riparian vegetation types for arthropods, SDSU.
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Languages

Fluent in English and Spanish