

Marielle Hansel Friedman

PHD CANDIDATE · DEPARTMENT OF ENTOMOLOGY & NEMATOLOGY

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Education

University of California, Davis

PHD ENTOMOLOGY

Davis, CA

September 2022 - Present

- Advisors: Dr. Emily Meineke & Dr. Paul Pratt (Retired, Research Leader, USDA/ARS, Invasive Species and Pollinator Health Unit)
- GPA: 4.0

University of Oregon

B.S. BIOLOGY

Eugene, OR

2011 - 2015

Professional Research Experience

- 2019-2022 **Biological Science Technician**, U.S. Department of Agriculture-Agricultural Research Service, Invasive Species and Pollinator Health Unit
- 2014-2015 **Research Assistant**, Cresko Lab, Institute of Ecology and Evolution, University of Oregon

Publications

PUBLISHED

Marielle S. Hansel Friedman, Angelica M. Reddy, Paul D. Pratt, Brenda J. Grewell, Nathan E. Harms, Ximena Ciblis-Stewart, Guillermo Cabrera Walsh, M. Cristina Hernandez, Ana Falthausen. 2025. Life history and host range characteristics of *Paracles azollae* Berg, 1877 (Lepidoptera: Erebiidae), an herbivore considered for biological control of invasive species of *Ludwigia* L. (Onagraceae) in the United States. *Pan-Pacific Entomologist*, 101(3): *In press*.

Amy DaSilva, Angelica M. Reddy, Paul D. Pratt, **Marielle S. Hansel Friedman**, Brenda J. Grewell, Nathan E. Harms, Ximena Ciblis-Stewart, Guillermo Cabrera Walsh, Ana Falthausen, M. Lourdes Chamorro. 2022. Biology of Immature Stages and Host Range Characteristics of *Sudauleutes bosqi* (Coleoptera: Curculionidae), a Candidate Biological Control Agent of Exotic *Ludwigia* spp. in the USA. *Florida Entomologist*, 105(3): 243-249.

IN REVIEW

Vivian C.H. Wu, Bhargavi Rane, Alison Lacombe, **Marielle S. Hansel Friedman**, Paul D. Pratt. Navel Orangeworm (NOW) development response to gaseous chlorine dioxide treatments. *Journal of Stored Products Research*.

Awards, Fellowships, & Grants

- 2018-2019 **Energy & Environmental Fellow**, Strategic Energy Innovations, Marin County Office of Education

Presentations

CONTRIBUTED PRESENTATIONS

May 2025. **Marielle S. Hansel Friedman**. Illuminating Complexity: How artificial light at night influences insect richness across a vehicle pollution gradient. Invited Oral presentation: Status of Insects RCN's Light Pollution Working Group Light Pollution as a Driver of Insect Declines International Symposium, University of Exeter's Penryn Campus, Cornwall, UK.

November 2024. **Marielle S. Hansel Friedman**. Herbarium specimens faithfully capture changing plant-insect interactions over years. Oral presentation: Entomological Society of America, Phoenix, AZ.

May 2019. **Marielle S. Hansel Friedman**. Sustainability and the zero-waste movement. Oral presentation: Skyline Community College, San Bruno, CA.

Teaching Experience

Spring 2025	ENT 135: Introduction to Biological Control , Guest Lecturer	<i>UC Davis</i>
Winter 2024	ENT 10: Natural History of Insects , Guest Lecturer and Exam Committee Member	<i>UC Davis</i>

Service & Professional Development

SERVICE AND OUTREACH

2024- Present	Light Pollution Working Group-Status of Insects: An International Research Coordination Network , Member	
2023-2025	California Invasive Plant Council-Student Section , Secretary	
2024-2025	Entomology Graduate Student Association , Secretary	<i>Davis, CA</i>
2023-2024	Entomology Graduate Student Association , Graduate Student Representative	<i>Davis, CA</i>
2023-2024	UC Davis, Department of Entomology & Nematology , Diversity, Equity, Inclusion & Belonging Committee Representative	<i>Davis, CA</i>
2023- Present	UC Davis Picnic Day , Graduate Student Volunteer	<i>Davis, CA</i>
2023	California Invasive Plant Council Annual Symposium , Volunteer	
2016-2017	Oregon Museum of Science and Industry (OMSI) , Volunteer	<i>Portland, OR</i>
2016-2017	Mad Science , Afterschool Instructor	<i>Portland, OR</i>

SKILLS

Computer: LaTeX, R, ArcGIS

PADI certified: Open Water Diver

EXTRACURRICULARS

Art: Small business owner of Elytra Jewelry. Unique, colorful, lightweight jewelry made from ethically sourced insect wings and clay.

PROFESSIONAL MEMBERSHIPS

Entomological Society of America
Phi Kappa Phi Honor Society
California Invasive Plant Council