

Maggie Raboin, PhD

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LINKS

[Personal Website](#)

EDUCATION

Sep 2014 — Dec 2021

**Ph.D. in Environmental Science Policy and Management,
University of California, Berkeley**

Berkeley, CA

Advisor: Dr. Damian O. Elias

Title of Dissertation: Substrate-borne Bioacoustics and the Impacts of Anthropogenic Noise

GPA: 3.84

Sep 2007 — May 2012

B.Sc. in Wildlife Biology, University of Montana, Missoula

Missoula, MT

Graduated with Honors

GPA: 3.52

AWARDS AND FELLOWSHIPS

2021

Margaret C. Walker Fund for Teaching and Research in Systematic Entomology

2020

Suoja Graduate Prize Fund

Robert L. Usinger Memorial Fund for Graduate Study in Entomology

2019

ESPM Organisms & Environment Award: Continuing Fellowship

2018

University of Wyoming- National Park Service Grant

2017

UC Berkeley Outstanding Graduate Student Instructor Award

Lewis and Ann Resh Graduate Award

2016

Boyd Evison Graduate Fellowship – Grand Teton Association

Johannes Joos Memorial Fund

Meg and Bert Raynes Wildlife Fund

2015

American Arachnological Society Research Award

2013

Smithsonian Tropical Research Institute Internship Award

PUBLICATIONS

2021

Raboin, M., Leiber, J.*, & D. O. Elias. Is there an energetic basis to substrate-borne acoustic communication? *In Prep.* (*undergraduate author)

2021

Raboin, M. & D. O. Elias. Substrate-borne Noise Disrupts Spider Parental Care. *In Review.*

Jun 2021

Raboin, M. Inaudible noise pollution of the invertebrate world. *Acoustics Today*, 17 (2), 32-39.

Jan 2021

Raboin, M. & D. O. Elias. Built to last a day: The function and benefits of spider mound nests. *Ethology*, 127, 238-245.

Jun 2019

Raboin, M. & D. O. Elias. Anthropogenic noise and the bioacoustics of terrestrial invertebrates. *Journal of Experimental Biology*, 222 (12).

Jan 2017

Edited by Oldfather, M. F., Easterday, K. J., **Raboin, M.**, Scheckel, K. J. Strategic conversation: stewardship of Parks in a changing world. *Science, Conservation, and National Parks*. University of Chicago Press, Chicago.

PRESENTATIONS

- Dec 2019 **Raboin, M.** & D. O. Elias. "Anthropogenic Noise and the Bioacoustics of Terrestrial Invertebrates". Acoustical Society of America Conference, Invited Talk.
- Jan 2018 **Raboin M.** & D.O. Elias. "Deconstructing the mason spider mound: mound building behavior, function, and ecology in spiders". Society for Integrative and Comparative Biology Presentation.
- Jul 2017 **Raboin, M.** & D.O. Elias. "Mason Spider Navigation: Movement Patterns and Hypotheses of Navigation while Building Mounds". Animal Behavior Society Presentation,
- Jan 2016 **Raboin, M.** & D.O. Elias. "New Species of Spider Builds Mounds". Society for Integrative and Comparative Biology Presentation.
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OUTREACH

- Jan 2021 "Beyond Beauty", *Bisoncast Web Series*, National Museum of Wildlife Art, Jackson, WY.
- Venice Shorts 2021, Official Selection
- Toronto International Women Film Festival 2021, Official Selection
- Aug 2016 *Spiders! Interconnectedness, Innovation, & Stewardship*, National Museum of Wildlife Art and Grand Teton National Park, WY.
- Jul 2015 **Raboin, M.** "Finding a New Species by the Side of the Road". Far Afield column, Jackson Hole News & Guide.
- May 2011 **Raboin, M.** "Maples fragility key on Brooks". The Missoulian.
- Jun 2011 **Raboin, M.** "Pollination". MTPR Field Notes.
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TEACHING AND RESEARCH EXPERIENCE

- Aug 2015 — May 2021 **Graduate Student Instructor, University of California, Berkeley** Berkeley, CA
Animal Behavior, Animal Communication, Wildlife Ecology, Introduction to Culture and Natural Resource Management, Senior Seminar in Environmental Sciences
- Jan 2019 — Jan 2020 **Graduate Student Researcher/ Lab Manager, University of California, Berkeley** Berkeley, CA
The Elias Lab
Managed logistics and field team for collection of jumping spiders in multiple mountain ranges of the SW.
Managed undergraduate technicians in laboratory behavioral experiments and data collection.
- Sep 2013 — May 2014 **Lab Technician, University of Georgia, Athens** Athens, GA
Advisor: Dr. Kelly Dyer
Drosophila gene flow, gene evolution, and behavior
- May 2013 — Sep 2013 **Field Technician/ Intern, Smithsonian Tropical Research Institute** Panama
Advisor: Dr. William Wcislo
Nocturnal bee (*Megalopta genalis*) behavior and tropical ecology
- Sep 2012 — May 2013 **Lab Technician, University of Georgia, Athens** Athens, GA
Advisor: Dr. Patricia Moore
Drosophila life history and behavior
- May 2012 — Aug 2012 **Field Technician, Montana Cooperative Wildlife Research Unit** Missoula, MT
Passerine nest searching, nest monitoring, egg and nestling measuring
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SKILLS

GIS	Web Design
Project Management	Data Analysis
Leadership and Teamwork	R Programming
Grant Writing	Mentoring
Writing	Effective Teaching
Data Management	Community Outreach