

ELISSA M. OLIMPI

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CURRENT POSITION

Avian Agroecology Ecology Postdoctoral Researcher, University of California, Davis
Department of Wildlife, Fish, and Conservation Biology
Advisor: Daniel Karp

EDUCATION

- 2017 Ph.D. in Environmental Studies, University of California Santa Cruz
Advisor: Stacy Philpott
- 2006 B.S. in Wildlife & Fisheries Science, Minor in Spanish, Penn State University
Advisors: Paula Fererri & Gary San Julian
- 2003 Grand Canyon Semester, Northern Arizona University

GRANTS & AWARDS

- UCSC Heller Agroecology Research Grant, \$2,000 2015, 2016, 2017
- NSF Doctoral Dissertation Improvement Grant, \$16,054 2015
- NSF SCWIBLES Fellowship, GK-12 STEM graduate training program, \$30,000 2014
- Bat Conservation International, \$2,800 2014
- Bob Berry Fund Scholarship, \$1,950 (equipment & workshop grant) 2013
- NSF Graduate Research Fellowship, Honorable Mention 2012
- Environmental Studies Department, UCSC, \$1000 2012, 2013
- Annie's Sustainable Agriculture Scholarship, \$10,000 2012
- UC Regents Fellowship, tuition and stipend 2011-2013
- Presidential Academic Excellence Scholarship, PSU, half tuition 2002-2006
- School of Forestry Scholarships, PSU, quarter tuition 2002-2006
- National Society of Collegiate Scholars inducted 2002

PUBLICATIONS

- **Olimpi, E. M.** and S.M. Philpott. 2017. Agroecological farming practices promote bats in an agricultural landscape. *Agriculture, Ecosystems, and Environment*, in review.
- Shennan, C., T.J. Krupnik, G. Baird, H. Cohen, K. Forbush, R.J. Lovell, **E. M. Olimpi**. 2017. Organic and conventional agriculture: A useful framing? *Annual Review of Environment and Resources* 42:317-346.
- Zavaleta, E., Ennis, K., **E. Olimpi**, J. Pasari, P. Quadri, S. Skikne, B. Stanford, F. Stoike, A. Wolfe. 2016. Biological Invasions. In H.A. Mooney and E. Zavaleta, editors. *Ecosystems of California*. Berkeley: University of California Press.
- Williams-Guillén, K.G., **E. Olimpi**, R. Arlettaz, P. Taylor, and B. Maas. 2015. Bats in the anthropogenic matrix: Challenges and opportunities for the conservation of Chiroptera and their ecosystem services in agricultural landscapes. In C.C. Voigt and T. Kingston, editors. *Bats in the Anthropocene: Conservation of Bats in A Changing World*.

- CentTREAD Working Group (P. Bouley, A. Calle, S. G. Crandall, R. B. Davenport, K. D. Holl, J. S. Jenkins, J. C. Lesage, **E. M. Olimpi**, C. L. Oliver, S. A. Skikne, B. Stanford). 2015. Large-Scale Forest Restoration by David Lamb. *Restoration Ecology* 23(4): 501-502.
- CentTREAD Working Group (L. Reid, H. Briggs, S. Crandall, J. Eldon, C. Magdahl, J. Ohayon, **E. Olimpi**, D. Schweizer, G. Tadesse, and Y. Wang). 2012. Tropical Ecology by John Kricher. *Quarterly Review of Biology* 87(4): 380.
- **Olimpi, E.** 2010. American Coot. In M. Steele, M. Brittingham, T.A. Maret, and J.F. Merritt (Eds.), *Terrestrial Vertebrates of Pennsylvania: A Complete Guide to Species of Conservation Concern*. The John Hopkins University Press, Baltimore, MD.

RELEVANT RESEARCH EXPERIENCE

- PhD Candidate 2011-2017
UC Santa Cruz, Santa Cruz, CA
Research focus on how bats interact with agricultural landscapes in California, and how food safety influence the adoption of agricultural conservation practices.
- Bird Bander 2010-2014
San Francisco Bay Bird Observatory, Milpitas, CA
Mist-net and band birds, monitor breeding colonial waterbird populations.
- Primate Consultant 2007
World Wildlife Fund, Madre de Dios Basin, Peru
Supervised data collection, coordinated international team of researchers, and performed surveys for bald-faced sakis in the rainforest.
- Avian Crew Leader 2007
University of Montana, Mogollon Rim, AZ
Supervised, coordinated, and trained technicians in identification of 40+ bird species, nest searching, and nest monitoring.
- Bat Research Assistant 2006
University of Michigan, Chiapas, Mexico
Captured and processed 50+ bat species on coffee agroecosystems, collected and identified insects using Malaise and sticky traps, performed vegetation surveys.
- Avian Intern 2006
USGS, Hawaii Volcanoes National Park, HI
Banded and radio-tracked birds, set and checked small mammal traps.
- Avian Assistant 2005
Arizona Game & Fish Department, Phoenix, AZ
Nest searching and monitored territories of endangered birds, assisted banding, performed vegetation surveys and band resighting.
- Entomology Assistant 2004
Cornell University, Yosemite National Park, CA
Collected and identified benthic macroinvertebrates from alpine lakes.
- Entomology Lab Intern 2004
Penn State University, State College, PA
Identified arthropods (to order) from pitfall traps in Rock Springs, PA.

TEACHING EXPERIENCE

- Teaching Assistant 2011-2016
UC Santa Cruz, CA
Lead weekly lab activities and guided student research projects for introductory courses in writing, integrated pest management, ecology, climate change, and conservation biology.
- Agroecology Instructor 2015
UC Santa Cruz Institute for Scientist & Engineer Educators, CA
Develop and teach inquiry-based short course in agroecology for STEM transfer students.
- Teaching Fellow 2014-2015
UC Santa Cruz and Watsonville High School, CA
Develop and teach inquiry-based curriculum in collaboration with local teachers.
- Science Mentor 2014-2015
Monterey Bay Aquarium, Elkhorn Slough Reserve, CA
Guide teens in the process of developing an original field research project from conception to presentation.
- Forest Ecology Crew leader 2013
UC Santa Cruz, CA
Trained team of 10 undergraduate interns in plant identification and field research protocols.
- Visiting Naturalist 2008-2009
Montana Natural History Center, Missoula, MT
Designed and engaged local elementary schools students in hands-on science lessons.
- Compost Educator 2010
Children & the Environment (ANIA), Boca Amigo, Peru
Started a composting program and community garden at small, rural school.
- PASA Sustainable Ag Educator 2005-2006
Pennsylvania Association for Sustainable Agriculture, State College, PA
Developed and engaged teens in sustainable agriculture curriculum at annual conferences.

MENTORSHIP

- Undergraduate students: (15 students, 14 women) Annalisse Ringelman, Roxy Kushner, Mauro Hernandez, Rachel Cerrutti, Vanessa Cabrera, Mollie King, Coraima Urrutia, Cassandra Essman, Kimberly Hegg, Katrina Kleman, Shannon Scott, Molly Jacobsen, Emelia Cervantes (UC Santa Cruz); Bethany Schulze (CSUMB); Caitlin Boise (UC Berkeley)
- High school students: (4 students, 3 women) Alex Wayne (Montevista Christian School/High School Science Internship Program); Ulisses Cristino, Karla Ruiz, Azael Reyes (Watsonville High School/Watsonville Teens Conserving Habitat)

CONFERENCE PRESENTATIONS

- **Olimpi, E.** 2017. *Bats respond to landscape context in an agricultural hotspot*, Bay Area Conservation Biology Symposium, Santa Cruz, CA.
- **Olimpi, E.** 2016. *How the matrix matters: Bats respond to farm management and landscape context in an agricultural hotspot*, North American Symposium on Bat Research, San Antonio, TX.
- **Olimpi, E.** 2016. *Farm-scale and landscape factors influence mobile species conservation in agricultural landscapes*, ESA Meeting, Fort Lauderdale, FL.

- Cohen, H., Egerer, M, **Olimpi, E.** *Designing inquiry activities for agricultural education*, Sustainable Agriculture Education Association Conference, Santa Cruz, CA.
- **Olimpi, E.**, R. Arlettaz, B. Maas, P. Taylor, K. Williams-Guillén. 2015. *Impact of agriculture on global bat assemblages*, North American Symposium on Bat Research, Monterey, CA.
- **Olimpi, E.** 2015. Poster: *Handheld bat detectors as a tool for mist-net site selection and public outreach*, North American Joint Bat Working Group Meeting, St. Louis, MO.
- **Olimpi, E.**, C. Bryce, J. Jenkins, V. Baliga, L.M. Tarjan, K. De Nesnera. 2015. *Inquiry modules developed through teacher-scientist collaboration*, International Teacher-Scientist Partnership Conference, San Francisco, CA.
- **Olimpi, E.** 2014. Poster: *Bats in the agricultural matrix: factors driving species richness and activity*, ESA Meeting, Sacramento, CA.
- **Olimpi, E.** 2012. *Relative effect of local and landscape factors on bat diversity and pest control services*, Stanford/UCSC Species Interactions Workshop, UCSC, CA.
- **Olimpi, E.**, J. Jenkins, J. Eldon, M. Kohli, C. Magdahl, S. Skikne. Poster: *Adaptive capacity of the Santa Clara Water District in light of climate change*, Association for Environmental Studies and Sciences, Santa Clara, CA.

INVITED TALKS

- **Olimpi, E.** 2016. *Conserving species in working landscapes*, ENVS120 Conservation Biology, UCSC, CA.
- **Olimpi, E.** 2014. *Bats and their role in your backyard*, Seacliff State Beach, CA.
- **Olimpi, E.** 2014. *Conservation and agricultural landscapes*, ENVS100 Environment & Society, UCSC, CA.
- **Olimpi, E.** 2014. *Bat diversity and foraging in an agricultural matrix*, ENVS103 Agroecology Practicum, UCSC, CA.
- **Olimpi, E.** 2013. *Diversity and bat ecology in agricultural landscapes*, ENVS24 Ecology, UCSC, CA.
- **Olimpi, E.** 2012. *Bird in the Hand* bird banding demonstration, San Francisco Bay Bird Observatory, Milpitas, CA.
- **Olimpi, E.** 2007. *Bald-face saki and the Trans-Oceanic Highway*, Los Amigos Biological Station, Madre de Dios, Peru.
- **Olimpi, E.** 2007. *Bat Extraction and Processing Demonstration*, Bat Conservation International Conference, Huntsville, PA.

SERVICE

- Manuscript reviewer, *Biotropica*, *Journal of Sustainable Agriculture* 2013-present
- Santa Cruz Society for Conservation Biology, committee co-chair 2016-2017
- UCSC ENVS Graduate Steering Committee, representative 2013-2015
- UCSC ENVS Graduate Social Committee, co-chair 2011-2013

ACTIVITIES

- Santa Cruz Society for Conservation Biology, Partnerships Committee chair 2016
- UCSC Political Ecology Working Group, member 2012-2014
- PSU Sustainable Agriculture Club, Treasurer 2004-2006

- PSU Club Cross-Country Team, founding member 2004-2006

PROFESSIONAL TRAINING

- Graduate Leadership Certificate Program, UCSC 2016
- Institute for Scientist & Engineer Educators Professional Development Program 2015
- Transition to R Course, G. Gilbert, UCSC, Santa Cruz, CA 2013
- Wildlife Acoustics Bat Detector Training Course, Santa Cruz, CA 2013
- Laboratory Animal Welfare Training, Institutional Animal Care & Use Committee 2013
- Wilderness First Responder Course, Missoula, MT 2009
- Swift Water Rescue Course, West Glacier, MT 2009

ADDITIONAL SKILLS

- LANGUAGE: Conversational Spanish, near fluency
- SOFTWARE: Microsoft Office Suite, ArcMap, SonoBat, R
- MANAGEMENT: Project supervision, training, data management

PROFESSIONAL ASSOCIATIONS

- Ecological Society of America
- Society for Conservation Biology, Santa Cruz Chapter, founding member
- San Francisco Bay Bird Observatory
- Bat Conservation International
- Western Bat Working Group