

ASHLEY R. ROBART

Biology Department
Occidental College
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EDUCATION

- 2015 **University of California-Santa Cruz.** Santa Cruz, CA
Ph.D. in Ecology and Evolutionary Biology
Dissertation: “Male quality influences intersexual dynamics, but not female intrasexual competition, in a monogamous, biparental fish”
Committee: Drs. Barry Sinervo (chair), Bruce Lyon, Suzanne Alonzo, and Giacomo Bernardi
- 2005 **Reed College.** Portland, OR
Bachelor of Arts in Biology.
Senior Thesis: “An Evaluation of the Effects of the Restoration of the Reed College Canyon on the Abundance and Distribution of the Oregon salamander, *Ensatina eschscholtzii oregonensis*”
Thesis advisor: Dr. Robert Kaplan
- 2003 **Organization for Tropical Studies/Duke University**
Undergraduate study abroad program in Costa Rica, Spring 2003

TEACHING EXPERIENCE AND TRAINING

- 2019-present **Occidental College. Los Angeles, CA**
PT/NTT Assistant Professor. Instructor for Marine Biology (Bio 105), an introductory lecture with lab course for non-majors.
- 2019 **California State Polytechnic University, Pomona. Pomona, CA**
Lecturer. Instructor for Foundations of Biology: Evolution, Ecology, and Biodiversity (Bio 1220), an introductory lecture class for majors, and Principles of Evolution (Bio 3240), an upper-division lecture course.
- 2018 **Occidental College. Los Angeles, CA**
PT/NTT Assistant Professor. Instructor for Evolutionary Biology (BIO 280), an upper-division lecture course.
- 2016 **Loyola Marymount University. Los Angeles, CA**
Lecturer in Biology. Instructor for Eco-Evo Effects of Environmental Change (BIOL 598), a seminar course for senior students.

- 2016 **Loyola Marymount University. Los Angeles, CA**
Completed LMU's Center for Teaching Excellence semester-long Teaching Certificate program. Program focused on development of teaching philosophy, active learning techniques, and alignment of course material with learning objectives.
- 2015 **Oregon Institute for Marine Biology/University of Oregon. Charleston, OR**
Adjunct Instructor. Instructor for Animal Behavior (BI 390), an upper-division lecture with lab course.
- 2015 **University of Oregon. Eugene, OR**
Participated in regional workshop of the National Academies Summer Institute. Week-long program focused on evidence-based pedagogical approaches for undergraduate biology education.
- 2011-2013 **University of California-Santa Cruz. Santa Cruz, CA**
Associate-in-Instruction, Ecology and Evolutionary Biology Dept. Instructor of record for Behavioral Ecology (BIOE 140), an upper-division lecture course during the 5-week summer session.
- 2008-2014 **University of California-Santa Cruz. Santa Cruz, CA**
Teaching Assistant, Ecology and Evolutionary Biology Dept. Courses include: Development and Physiology (6 quarters), Behavioral Ecology (2 quarters), Field Methods of Behavioral Ecology (2 quarters), Herpetology, Ecological Field Methods, Ichthyology

Guest Lectures

- 2017 Hormones and Behavior, Loyola Marymount University
2014 Behavioral Ecology, University of California-Santa Cruz
2013 Behavioral Ecology, University of California-Santa Cruz
2009 Behavioral Ecology, University of California-Santa Cruz

RESEARCH EXPERIENCE

- 2019 **Washington State University. Pullman, WA.**
Professional Worker I. Supervisor: Dr. Heather Watts
- 2017-2018 **Washington State University. Pullman, WA.**
Postdoctoral Fellow. Advisor: Dr. Heather Watts
- 2015-2017 **Loyola Marymount University. Los Angeles, CA.**
Postdoctoral Fellow. Advisor: Dr. Heather Watts
- 2008-2015 **University of California-Santa Cruz. Santa Cruz, CA.**
Dissertation research. Advisor: Dr. Barry Sinervo

- 2008 **California Dept. of Fish and Game. Stockton, CA.**
Fish and Wildlife Scientific Aide, Supervisor: Ryan Mayfield
- 2006-2007 **US Geological Survey. Corvallis, OR.**
Biological Science Technician, Supervisor: Dr. Michael Adams
- 2005-2006 **Oregon State University. Corvallis, OR.**
Marine Ecology Intern. Laboratory of Drs. Bruce Menge and Jane Lubchenco
- 2004 **Reed College/Portland State University. Portland, OR.**
Field Research Assistant. Laboratory of Dr. Michael Murphy
- 2001 **University of South Carolina. Columbia, SC.**
Research Intern. Laboratory of Dr. Timothy Mousseau

GRANTS AND AWARDS

- 2019 Weaving the Future of Animal Behavior (WFAB) Travel Grant (\$918)
- 2017 Santa Monica Bay Audubon Society Research Grant (\$734)
- 2016 Santa Monica Bay Audubon Society Research Grant (\$550)
- 2015 Santa Monica Bay Audubon Society Research Grant (\$550)
- 2014 American Society of Naturalists Travel Grant (\$500)
- 2014 Graduate Student Association Travel Grant, UCSC (\$300)
- 2014 STARS Scholarship, UCSC (\$1,500)
- 2014 International Society for Behavioral Ecology Travel Grant (\$900)
- 2013 Graduate Assistance in Areas of National Need Fellow (\$41,680)
- 2013 Research and Travel Grant, Dept. of EEB, UCSC (\$1,700)
- 2012 Dissertation Quarter Sabbatical Fellowship (\$10,550)
- 2012 Graduate Assistance in Areas of National Need Fellow (\$17,400)
- 2012 Research and Travel Grant, Dept. of EEB, UCSC (\$2,200)
- 2012 Student Research Grant, Animal Behavior Society (\$1,250)
- 2011 Graduate Student Association Travel Grant, UCSC (\$400)
- 2011 Research and Travel Grant, Dept. of EEB, UCSC (\$2,100)
- 2011 Marilyn C. and Raymond E. Davis Memorial Scholarship, UCSC (\$500)
- 2010 Research and Travel Grant, Dept. of EEB, UCSC (\$2,750)
- 2010 Guy Jordan Research Award, American Cichlid Association (\$1,500)
- 2010 Grant-in-Aid of Research Award, Sigma Xi (\$400)
- 2010 Mark Tomasello/Dr. George Barlow Grant, Pacific Coast Cichlid Assoc. (\$500)
- 2005 Commendation for Excellence in Scholarship, Reed College
- 2004 Independent Field Study Grant, Reed College (\$3,000)
- 2001 Experimental Program to Stimulate Competitive Research Grant, University of South Carolina (\$1,000)

PUBLICATIONS (*undergraduate co-author)

8. Rittenhouse JL*, **Robart AR**, Watts HE. 2019. Variation in chronotype is associated with migratory timing in a songbird. *Biology Letters* 15: 20190453.

7. **Robart AR**, Morado MI*, Watts HE. 2019. Declining food availability, corticosterone, and migratory response in a nomadic, irruptive migrant. *Hormones and Behavior* 110: 56-67.
6. **Robart AR** and Sinervo B. 2019. Females increase parental care, but not fecundity, when mated to high quality males in a biparental fish. *Animal Behaviour* 148: 9-18.
5. **Robart AR**, McGuire MMK*, Watts HE. 2018. Increasing photoperiod stimulates the initiation of spring migratory behaviour and physiology in a facultative migrant, the pine siskin. *Royal Society Open Science* 5: 180876.
4. **Robart AR** and Sinervo B. 2018. Parental response to intruder females altered by ornamentation and mate quality in a biparental fish. *Behavioral Ecology* 29: 701-710.
3. Watts HE, **Robart AR**, Chopra JK*, Asinas CE*, Hahn TP, and Ramenofsky M. 2017. Seasonal expression of migratory behavior in a facultative migrant, the pine siskin. *Behavioral Ecology and Sociobiology* 71: 9.
2. Sinervo B and **Robart AR**. 2016. "Mating Systems." *Oxford Bibliographies in Ecology*. Ed. David Gibson. New York: Oxford University Press.
1. **Robart AR**. 2012. Effect of mate size on maternal reproductive effort in the convict cichlid, *Amatitlania siquia*. *Current Zoology* 58: 66-72.

PUBLICATIONS SUBMITTED OR IN PREP

Robart AR and Watts HE. The role of biotic and abiotic factors in modulating the migratory response to declining food availability in a facultative migrant. (*in preparation; manuscript available upon request*)

INVITED PRESENTATIONS

- 2019 **Robart AR**. The role of the social environment in shaping reproduction and migration in vertebrates. California State Polytechnic University, Pomona
- 2018 **Robart AR**. How environmental cues and social information regulate facultative migration in pine siskins. Santa Monica Bay Audubon Society
- 2017 **Robart AR**. Reproduction and migration: how the social environment influences life history transitions. Occidental College
- 2016 **Robart AR**. An unpredictable migrant uses a predictable cue: the role of photoperiod in spring migratory behavior in the pine siskin. Santa Monica Bay Audubon Society
- 2015 **Robart AR**. Male quality influences parental care, but not female competition, in a monogamous, biparental fish. Biology Seminar Series. Loyola Marymount University

CONTRIBUTED PRESENTATIONS (FIRST AUTHOR ONLY)

- 2019 **Robart AR** and Watts HE. Social environment magnifies facultative migratory response to declining food availability. Behaviour Conference. Chicago, IL
- 2019 **Robart AR**, Navarro W, Zuniga H, and Watts HE. Social paring influences behavior and physiology near termination of migration in a facultative migrant. Society for Integrative and Comparative Biology Conference. Tampa, FL
- 2018 **Robart AR** and Watts HE. Social environment influences response to declining food availability in a facultative migrant. Society for Integrative and Comparative Biology Conference. San Francisco, CA
- 2017 **Robart AR** and Watts HE. Food restriction increases daytime activity and corticosterone in a facultative migrant. Society for Integrative and Comparative Biology Conference. New Orleans, LA
- 2016 **Robart AR** and Watts HE. Effects of photoperiod and food availability on vernal migration in a facultative migrant, the pine siskin (*Spinus pinus*). International Symposium on Avian Endocrinology. Niagara-on-the-Lake, Canada
- 2014 **Robart AR** and Sinervo B. Intrasexual competition leads to maternal aggression toward sexual rivals in a biparental fish. Animal Behavior Society Conference. Princeton, NJ
- 2014 **Robart AR** and Sinervo B. Females increase parental care, but not fecundity, for high quality males in a biparental fish. International Society for Behavioral Ecology Conference. New York, NY
- 2014 **Robart AR** and Sinervo B. Conflicting interests and differential response by parents to sexually receptive females in the convict cichlid, a biparental fish. Workshop on Social Evolution. Heishiding, China
- 2014 **Robart, AR** and Sinervo B. Intrasexual competition between females leads to aggression toward sexually receptive intruders in convict cichlids (*Amatitlania siquia*). Evolution Conference. Raleigh, NC
- 2011 **Robart AR**. Mate size effect on maternal reproductive effort in the convict cichlid, *Amatitlania siquia*. Animal Behavior Society Conference. Bloomington, IN (poster)
- 2007 **Rogers A.** (maiden name) and Kaplan R. *Ensatina* in the Reed College Canyon: distribution and habitat rehabilitation. Urban Ecology and Conservation Symposium. Portland, OR (poster)

MENTORING (Undergraduate unless otherwise indicated (#: high school, +: post-baccalaureate; *presented research at conference))

- 2018 Kayla Lim, Occidental College
- 2018 Mika O'Shea, Occidental College

2018	Alayna Schwartz, Occidental College
2018	Hilary Zuniga*, Washington State University.
2018	Guillermo Navarro*, Washington State University.
2018	Paige Campbell, Washington State University.
2018	Ella Cowan de Wolf, Washington State University.
2018	Jeffrey Rittenhouse, Washington State University.
2017-2018	Maddie O'Connor*, Washington State University.
2017-2018	Samantha Dohrman*, Washington State University.
2017	Amy Nigro, Washington State University.
2016-2017	Mali McGuire*, Loyola Marymount University.
2016-2017	Michelle Laiolo*, Loyola Marymount University.
2015-2017	Melissa Morado*, Loyola Marymount University.
2013	Paloma Collazo-Vargas [#] , University of California-Santa Cruz.
2013	Rachel Grey ⁺ , University of California-Santa Cruz.
2013	Michaela Satter ⁺ , University of California-Santa Cruz.
2013	Maureen Thompson ⁺ , University of California-Santa Cruz.
2011	Kelsea Miller ⁺ , University of California-Santa Cruz.
2011	Alexandra Muller ⁺ , University of California-Santa Cruz.

ACADEMIC SERVICE

Outreach and Service Work

2018	Skype A Scientist, Colton High School Zoology class (2 times)
2013	Presentation to community surrounding Lomas de Barbudal Biological Reserve (Guanacaste, Costa Rica) on my research within the reserve and benefits of scientific research to local area
2011-2014	Trained 40+ undergraduates in behavioral observations, animal husbandry, and data collection as part of dissertation research
2007	Field Volunteer. Assisted in the monitoring and installation of experiments on three islands in the Galápagos to examine effects of temperature and nutrient addition to algal diversity.
2003-2005	Tutor, Portland Impact Tutoring, Portland, OR.
2002	Reader, Start Making A Reader Today, Portland, OR.

Peer Reviewer

Behaviour, Ecology and Evolution, Ecosphere

Membership

Animal Behavior Society

Society of Integrative and Comparative Biology