

SOFIA RAYE PRADO-IRWIN

PhD Candidate ◊ Dept. of Organismic and Evolutionary Biology ◊ Harvard University
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EDUCATION

Harvard University

2015 - Present

PhD Candidate, Dept. of Organismic and Evolutionary Biology
Adviser: Dr. Jonathan Losos

San Francisco State University

2013 - 2016

Master of Science, Physiology and Behavior
Advisers: Dr. Andrew Zink and Dr. Vance Vredenburg

Barnard College, Columbia University

2009 - 2013

Bachelor of Arts, Biology, *magna cum laude*, Phi Beta Kappa
Thesis Adviser: Dr. Jonathan Snow

PEER-REVIEWED PUBLICATIONS

BA White, **SR Prado-Irwin**, and LN Gray. *In review*. Female dewlap variation in the *Anolis lemurinus* group. *Breviora*.

Prado-Irwin SR, M van de Schoot, AJ Geneva. *In press*. Evolutionary analysis of *Adenovirus* strains infecting a single anole species. *PeerJ* DOI: 10.7717/peerj.5521.

AK Bird, **SR Prado-Irwin**, VT Vredenburg, AG Zink. 2018. Skin microbiomes of California terrestrial salamanders are influenced by habitat more than host phylogeny. *Frontiers in Microbiology* DOI: 10.3389/fmicb.2018.00442.

Prado-Irwin SR, AK Bird, AG Zink, VT Vredenburg. 2017. Intraspecific variation in the skin-associated microbiome of a terrestrial salamander. *Microbial Ecology* DOI: 10.1007/s00248-017-0986-y.

Winchell KM, RG Reynolds, **SR Prado-Irwin**, AR Puente-Roln, LJ Revell. 2016. Phenotypic shifts in urban areas in the tropical lizard *Anolis cristatellus*. *Evolution* 70 (5): 1009-1022.

PRESENTATIONS

Prado-Irwin SR. 2018. Evolution and ecology of a widespread Central American lizard. Mini-symposium: Research and Teaching at a Liberal Arts College. Williams College, Williamstown, MA.

Prado-Irwin SR. 2017. Dewlaps. OEB Student Seminar. Harvard University, Cambridge, MA.

Prado-Irwin SR, A Zink, V Vredenburg. 2016. Characterizing the skin-associated microbiome of the yellow-eyed ensatina. American Society of Naturalists Conference, Asilomar, CA.

Prado-Irwin SR. 2013. Honey Bee Gut Immune Responses to Pathogenic Microbes. Barnard College. Biology Department Senior Thesis Presentation Series, New York, NY.

POSTERS

Prado-Irwin SR, M van de Schoot, A Geneva. 2017. Evolutionary analysis of viral strains from a single anole species. Evolution Conference, Portland, OR.

Prado-Irwin SR, A Zink, V Vredenburg. 2016. Skin microbiome composition across a salamander hybrid zone. Evolution Conference, Austin, TX.

Prado-Irwin SR, KM Winchell, RG Reynolds, LJ Revell. 2012. Preliminary investigation of urban adaptation in *Anolis cristatellus*. University of Massachusetts. Boston Summer Research Symposium, Boston, MA.

Prado-Irwin SR. 2011. Does herbicide use in knapweed-invaded areas affect pollination of native plants? University of Montana OREOS Undergraduate Research Symposium, Missoula, MT.

OTHER PUBLICATIONS

Prado-Irwin, SR. 2018. "Understanding Microbial Communities Living On Amphibian Skin." ScienceTrends.com.

Prado-Irwin SR, and A Bird. 2015. "The Amphibian Skin Microbiome." Microbiome of Amphibian Skin. Amphibiaweb: The Regents of University of California. Web.

TEACHING

Harvard University.

Teaching Fellow, OEB155r: Biology of Insects *Fall 2018*

Teaching Fellow, OEB167: Herpetology *Spring 2018*

Teaching Fellow, OEB10: Foundations of Biological Diversity *Fall 2016*

Co-instructor, Adult Class: Herpetological Investigation at the Museum of Comparative Zoology.

Harvard Museum of Natural History. *Nov 3, 2018*

San Francisco State University.

Mentorship Advancement Program. Amphibian Microbial Ecology, 9th grade lesson at Lick-Wilmerding High School, San Francisco. *Spring 2014*

Barnard College.

Resident Tutor, Nutrition and Bioenergetics, Summer Inter-Collegiate Program *Summer 2013*

Teaching Assistant, Introduction to Cellular and Molecular Biology (Lecture) *Spring 2012 & 2013*

Teaching Assistant, Introduction to Organismal and Evolutionary Biology (Lecture) *Fall 2012*

Teaching Assistant, Introduction to Cellular and Molecular Biology (Lab) *Spring 2011& 2012*

Teaching Assistant, Introduction to Organismal and Evolutionary Biology (Lab) *Fall 2010*

MENTORSHIP

Resident Tutor. Currier House. *Harvard University.* *Fall 2018-Present*
Race Relations, Fellowships Tutor, Sophomore Events.

Undergraduate Research Advisees

Allison Rabe (Senior). Senior thesis advisee. *Harvard University.* *Present*

Graham Friedman (Freshman). Student research assistant. *Harvard University.* *Spring 2018*

Jason Helvey (Senior). Student research assistant. *San Francisco State University.* *Spring 2014*

Bo Heinz (Senior). Student research assistant. *San Francisco State University.* *Spring 2014*

LEADERSHIP POSITIONS & COMMUNITY SERVICE

Graduate Student Representative, Title IX Student Liaison Committee.

Harvard University. *Present*

Member, OEB Departmental Seminar Graduate Student Committee.

Harvard University. *Fall 2017-present*

Manager, Ecology Journal Club. *Harvard University Center for the Environment.* *Fall 2016-present*

Organizer, OEB Student Seminar. *Harvard University.*

Spring 2017

Peer Reviewer: *Phyllomedusa*, *Vertebrate Zoology*, *Microbial Ecology*, *Journal of Zoology*.

WORKSHOPS AND COURSES ATTENDED

- Bioinformatics Nanocourse.** FAS Informatics Group. *Harvard University.* August 6-10, 2018.
- Mini-Symposium: Researching and Teaching at a Liberal Arts College.** Office of Institutional Diversity and Equity. *Williams College.* July 8-10, 2018.
- Evolutionary Quantitative Genetics.** Friday Harbor Laboratories. *University of Washington.* June 4-10, 2017.

GRANTS, HONORS, AND AWARDS

- Graduate Student Research Award.** Society of Systematic Biologists. 2018
- Certificate of Distinction in Teaching.** Derek Bok Center for Teaching and Learning, Harvard University. 2018
- Graduate Prize Fellowship.** Harvard University. 2015-2020
- Graduate Research Fellowship.** National Science Foundation. 2014-2019
- Putnam Expedition Grant.** Museum of Comparative Zoology. Harvard University. 2018
- Robert A. Chapman Award.** Dept. of Organismic & Evol. Biol. Harvard University. 2018
- Robert A. Chapman Award.** Dept. of Organismic & Evol. Biol. Harvard University. 2017
- Travel Grant.** Rockefeller Center for Latin American Study. Harvard University. 2017
- Distinguished Graduate Student Award.** San Francisco State University. 2015
- Honorable Mention, Sally Casanova Scholars Program.** California Pre-Doctoral Program. 2014
- Grants in Herpetology Award.** Society for the Study of Amphibians and Reptiles. 2014
- Instructionally Related Activities Award.** San Francisco State University. 2013
- Research Initiative for Scientific Advancement Fellow.** National Institutes of Health, San Francisco State University. 2013-2014
- Provost Scholar.** San Francisco State University. 2013-2014
- Grace Potter Fellowship.** Barnard College. 2013
- Vera Joseph Scholar.** Barnard College. 2011-2013
- Dean's List.** Barnard College. 2009-2013