Andrew J. Rominger

Contact Information	Department of Environmental Science, Policy & Management	
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(A) Professional Preparation

University of California, Berkeley — 2016
Ph.D. Candidate in Environmental Science, Policy & Management
Committee: Rosemary Gillespie, John Harte & Charles Marshall

Stanford University — 2009
B.S. in Biological Sciences
Advisors: Elizabeth Hadly & Rodolfo Dirzo
Honors thesis: Both neutral and deterministic processes drive community structure

(B) Appointments

Post Doctoral Scholar, UC Berkeley — 2016
Berkeley Initiative in Global Change Biology

Graduate Student Instructor, UC Berkeley — 2014
ESPM 174: Design and Analysis of Ecological Studies
Instructor: Perry de Valpine
Graduate Student Instructor, UC Berkeley
INTEGRATIVE BIOLOGY 166: Evolutionary Biogeography
Instructor: Anthony Barnosky

NSF Graduate Research Fellow, UC Berkeley — 2011–present
Building ecological theories of abundance, energetics and spatial distribution that incorporate phylogenetic information. Studying the evolution, biogeography and ecology of Hawaiian arthropods. Building statistical methods that can leverage large amounts of newly digitized biodiversity data and gain insights into how ecological communities change in response global change.

Fulbright Scholar, Pontificia Universidad Católica de Chile — 2010
Used databases of fossil collections to study the evolution Phanerozoic biodiversity. Developed models of diversification using principles from thermodynamics, evolutionary niche construction and queuing processes.
Host: Pablo Marquet

Teaching Assistant, Stanford University — 2009
BIOLOGY 121: Biogeography
Instructor: Elizabeth Hadly

Data Analyst, Stanford University — 2008
Analyzed herbaria records to detect signs of geographic range shift under 20^{th} Century climate change.

Intern in Paleobiology, Smithsonian Institution
Used Smithsonian collection to reconstruct phylogenetic relationships of Permian brachiopods and studied evolution of theoretical morphospace occupancy.
Mentors: Doug Erwin, Peter Wagner

(C) Products

(i)

Rominger AJ, Merow C. (2016). `meteR`: An `R` package for testing the Maximum Entropy Theory of Ecology. In press at *Methods in Ecology and Evolution.* — in press

	Rominger AJ, *et al.*. (2016). Community assembly on isolated islands: Macroecology meets evolution. *Global Ecology and Biogeography* 25: 769–780.	2016
	Harte J, **Rominger AJ**, Zhang W. (2015). Integrating macroecological metrics and community taxonomic structure. *Ecology Letters* 18: 1068–1077.	2015
	Karp DS, **Rominger AJ**, Zook J, Ranganathan J, Ehrlich PR & Daily GC. (2012). Intensive agriculture erodes β-diversity at large scales. *Ecology Letters* 15: 963–970.	2012
	Rominger AJ, Miller TEX & Collins SL. (2009). Relative contributions of neutral and niche-based processes to the structure of a desert grassland grasshopper community. *Oecologia* 161: 791–800.	2009
(C) Products (ii)	Sardinas HS, Tom K, **Rominger AJ**, Kremen C. (2015). Patterns of native bee crop pollination within agricultural fields are limited by nest site location. In press at *Ecological Applications*.	in press
	Harte J, Kitzes J, Newman E, **Rominger AJ**. (2013). Taxon categories and the universal species-area relationship: A comment on Sizling et al. *The American Naturalist* 181: 282–287.	2013
	Maurer BA, Kembel SW, **Rominger AJ** & McGill BJ. (2012). Estimating metacommunity extent using data on species abundances, environmental variation, and phylogenetic relationships across geographic space. *Ecological Informatics* 13: 114–122.	2012
(D) Synergistic Activities	**Board Member** Talking Talons Youth Leadership Community Fund, an organization that funds environmental education projects.	2013–present
	Community presentation speaker Present at youth and environmental group meetings including Central New Mexico Audubon Society and Pacific Internship Programs for Exploring Science about science, conservation and environmental education.	2009–present
	Splash instructor Thought an interactive course about global change biology to K-12 students as part of Stanford University's Educational Studies Splash Program.	2009
	Natural history docent Lead classroom and community tours of Jasper Ridge Biological Preserve (Stanford University) focusing on local conservation issues, ecology, evolution and geology.	2006–present