

Mollie K. Manier
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Education

University of California, Berkeley. Department of Integrative Biology. B.A., 1997.
Oregon State University. Corvallis, OR. Department of Zoology. Ph.D. (minor in Statistics), 2004.

Professional Societies

American Society of Naturalists
Society for the Study of Evolution

Positions Held

Sept. – Dec. 2003: Teaching Assistant, Biology 311: Genetics; recitation instruction; Oregon State University; Corvallis, OR.
Sept. 2002 – Spring 2003: NSF GK-12 Science Fellow at Garfield Elementary School; taught and assisted with science lessons for grades K-5; Corvallis, OR.
Fall 2000 – Spring 2003: Graduate student committee for organizing the annual Biology Graduate Student Symposium at Hatfield Marine Science Center, Newport, Oregon; organized committee, solicited sponsorship from campus departments, distributed announcements, solicited abstracts, contacted and consulted with keynote speakers, arranged budget, oversaw meal planning and housing arrangements; Oregon State University; Corvallis, OR.
Fall term 2000: Chair of student committee for teaching evaluation of tenure for Dr. Michael Blouin, Dept, of Zoology; organized committee, wrote letter of evaluation; Oregon State University; Corvallis, OR.
Sept. 1998 – June 1999: Teaching Assistant, Biology 21X: Principles of Biology; laboratory instruction; Oregon State University; Corvallis, OR.
April – May 1998: Herpetologist; spring amphibian survey; Blodgett Forest Research Station, U.C. Berkeley; Georgetown, CA.
Jan. – May 1997: Undergraduate Student Instructor, Integrative Biology 104: Natural History of the Vertebrates; weekend field trip leader; U.C. Berkeley; Berkeley, CA.
June 1996 – Dec. 1997: Curatorial Assistant of Herpetology, Museum of Vertebrate Zoology; collection maintenance and management; U.C. Berkeley; Berkeley, CA.

Awards, Honors and Fellowships

2003: NSF DDIG (Doctoral Dissertation Improvement Grant) 0309017 - \$12,000 (research funds); 6/1/03-5/31/05
2003: 3rd place for Best Paper at the Annual Meeting of the Society for Northwestern Vertebrate Biology, Humboldt State University; Arcata, California
2002: NSF GK-12 Teaching Fellowship - \$21,500 stipend plus tuition; 9/1/02-8/31/03
1999: EPA STAR (Science to Achieve Results) Fellowship U-91552801-5 - \$102,000 (stipend, tuition and research funds); 9/1/99-8/31/02
1997: Summer Research Opportunities Program - \$3300
Graduate Opportunities Program, U.C. Berkeley

1997: Integrative Biology Departmental Citation, U.C. Berkeley

1996: Biology Fellows Program - \$1000

Department of Molecular and Cell Biology (funded by Howard Hughes Medical Institute's Undergraduate Biological Science Education Initiative and private donor), U.C. Berkeley

Papers Presented

1997: Annual Joint Meeting of the American Society of Ichthyologists and Herpetologists & The Herpetologists' League, University of Washington; Seattle, Washington: "Geographic variation in snout morphology and color pattern in the long-nosed snake, *Rhinocheilus lecontei* (Colubridae)."

2000: Annual Joint Meeting of the American Society of Ichthyologists and Herpetologists & The Herpetologists' League, Universidad Autonoma de Baja California Sur; La Paz B.C.S., Mexico: "Geographic variation in the long-nosed snake: a canonical discriminant analysis."

2003: Annual Meeting of the Society for Northwestern Vertebrate Biology, Humboldt State University; Arcata, California: "Does variation at neutral molecular markers reflect ecological variation in a garter snake?"

2003: Annual Meeting of the American Association for the Advancement of Science, Pacific Division, San Francisco State University, California Academy of Sciences; San Francisco, California: "Neutral genetic differentiation does not coincide with ecotypic variation in a garter snake."

2003: Annual Joint Meeting of the Society for the Study of Evolution, Society of Systematic Biologists, and American Society of Naturalists, California State University, Chico; Chico, California: "Neutral genetic differentiation does not coincide with ecotypic variation in a garter snake."

Outreach Activities

Oct. 2002 – present: assistant teacher, SMILE Program (Science and Math Interactive Learning Experiences); assisting with and teaching bi-monthly after-school program for 3rd – 5th graders at Garfield Elementary School; Corvallis, OR.

Nov. 2002: Tour leader, American Women in Science Career Workshop; introduced middle school girls to laboratory research in science; Corvallis, OR.

Oct. – Nov. 2002: Volunteer scientist instructor; Soil Field Study, Aquatic Field Study; Corvallis Outdoor School, Camp Tadmor, Lebanon, OR.

1999-2003: Presentations on reptiles and amphibians with live animals; 2nd grade, Wilson Elementary School; 4th grade, Lincoln Elementary School; Willamette Valley Community School; Corvallis, OR; Science Factory workshop; Eugene, OR; 4th/5th grade, Garfield Elementary School.

1999-2000: Participation as a CyberSisters mentor on science projects for two middle school girls; one student went on to present her project poster at the annual meeting for the Society for Northwestern Vertebrate Biology in 2001; Corvallis, OR.

Publications

Manier, M. K. 2003. Does variation at neutral molecular markers reflect ecological variation in a garter snake? *Northwestern Naturalist* **84**: 105.

McDowell, S. and M. Manier. 2001. Do hungry snakes move faster than full snakes? *Northwestern Naturalist* **82**: 77.

Manier, M. K. 2004. Geographic variation in the long-nosed snake (*Rhinocheilus lecontei*): beyond the subspecies debate. *Biological Journal of the Linnean Society* (in review).