

Curriculum Vitae

Sean Bryant Reilly

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Education:

- Humboldt State University, Masters Candidate in Biology, 2007-present.
Thesis title; "Estimating Gene Flow Between Black Salamander (*Aneides flavipunctatus*) Populations; A Multi-locus Coalescent Approach."
Advisors: Dr. W. Bryan Jennings, Dr. Sharyn B. Marks.
- University of California, Santa Cruz; BS in Biology, 2004.

Grants and Awards:

- 2008- American Society of Ichthyologists and Herpetologists Travel Grant. (\$300)
- 2008- HSU Master's Student Grant. (\$275)
- 2007- Federal Work Study Graduate Research Assistantship. (\$2,500)
- 2007- Save the Redwoods League Grant. (\$7,000)
- 2007- Joseph S. Woolford Scholarship, Eureka Rotary Club. (\$1,000)

Research Experience:

- 2003-2004 - Collection and documentation of the California Mountain Kingsnake (*Lampropeltis zonata*) in collaboration with Dr. Barry Sinervo and Mitch Mulks, UCSC.
- 2003 - Snorkel & electrofishing surveys of juvenile steelhead and cojo salmon, NMFS.
- 2003 - Predation rates on *Ensatina* color morphs, and hybrid zone color analysis. In collaboration with Dr. Barry Sinervo, UCSC.

Teaching Experience:

- Fall 2008- Teaching Assistant for Molecular Biology, Genomics & Biotechnology lab, Humboldt State University.

Presentations:

- 2008- Joint Meeting of Ichthyologists and Herpetologists, Montreal, Canada. "Estimating Gene Flow Between Black Salamander (*Aneides flavipunctatus*) Populations; A Multi-locus Coalescent Approach."

Societies:

- American Society of Ichthyologists and Herpetologists

Special Skills:

- Proficient with a variety of bioinformatics software (PAUP*, IM, DNAsp, MrBayes, Modeltest).
- Proficient with a variety of molecular genetic techniques (DNA extractions, PCR, genomic library development, PCR cloning)

Employment History:

- 2005-2007 - Quality Control Associate II, Molecular Medicine, Carlsbad CA.
- 2005 - Quality Control Associate I, Biogen-Idec, Oceanside CA.
- 2003 - Lab Assistant I, National Marine Fisheries Service, Santa Cruz CA.