

## ERIC DARVISH CRANDALL

Ph.D. Candidate – Boston University Marine Program

Phone: (508) 942-6470

Email: [veliger@bu.edu](mailto:veliger@bu.edu)

Web: <http://people.bu.edu/veliger>

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### Education

- 1998 B.A. Integrative Biology, University of California, Berkeley
- 2005 Workshop in Molecular Evolution, Marine Biological Laboratory
- 2007 (Anticipated) Ph.D. Biology, Boston University

### Appointments

- 2006 – 2007 Boston University Marine Program – Palmer-Mcleod Fellow
- 2002 – 2005 Boston University Marine Program – Teaching Fellow
- 2003 – 2004 NSF GK-12 Fellow – Boston University Project STAMP

### Grants and Awards

- 2007 International Biogeography Society – Student Travel Award
- 2005 – 2007 NSF Doctoral Dissertation Improvement Grant : “How do stepping stones of intermediate habitat affect gene flow in neritid snails?”
- 2004 Boston University – Outstanding Teaching Fellow Award
- 2004 Lerner-Grey Fund – American Museum of Natural History
- 2004 Conchologists of America – Walter Sage Memorial Grant
- 2003 NSF Graduate Research Fellowship Program – Honorable Mention
- 2002 Boston University – Outstanding Teaching Fellow Award

### Publications

- Crandall, E.D., E.A. Treml, J.R. Taffel, P.H. Barber, (in prep) How do stepping stones affect gene flow in neritid gastropods?
- Crandall, E.D., J.R. Taffel, P.H. Barber (in prep) Phylogeographic discordance between two amphidromous gastropods with high dispersal potential
- Crandall, E.D., E.M. Jones, M. Munoz, B. Akinrobe, M.V. Erdmann, P.H. Barber (in prep) Phylogeography of Echinoderm Ectosymbionts
- Crandall, E.D., M.A. Frey, R.K Grosberg, P.H. Barber. (Submitted) Concordant demography and discordant phylogeographic patterns in two Indo-Pacific gastropods. *Molecular Ecology*
- Crandall, E.D. 1999. Early life history aspects of amphidromous neritid snails in Moorea, French Polynesia. *Berkeley Scientific* 3:52-61.

### Research and Field Experience

- 2004 – 2006 Funded and organized research expeditions to the South Pacific to collect samples for dissertation research.
- 2002 – 2007 Graduate Research Assistant – Boston University Marine Program. Collected, managed and sequenced samples of marine organisms from Indonesia for NSF CAREER award to Dr. Paul Barber.

- 2001 – 2002 Staff Research Associate – U.C. Berkeley Integrative Biology Department.  
Performed field and laboratory work evaluating pesticide effects on fish in the Sacramento Delta.
- 2000 Benthic Laboratory Intern – Dauphin Island Sea Lab  
Assisted in fieldwork and sample processing for an experiment assessing the effects of nutrient availability and predator control on seagrass meadows in the northern Gulf of Mexico.
- 2000 Aquatic Ecology Intern – National Park Service  
Assisted the park aquatic ecologist with aquatic monitoring projects.
- 1998 Biology and Geomorphology of Tropical Islands – U.C. Berkeley  
Undergraduate research project on osmotic tolerance of larvae of amphidromous neritid snails in Moorea, French Polynesia
- 1996 Research Assistant – University of Oregon  
Collected data on recruitment of juvenile barnacles from the field, cultured barnacle larvae, conducted independent research project.

### **Outreach and Educational Activities**

- 2006 – 2007 Wrote and co-organized two teaching laboratories for Boston area high schools, reaching over 300 students.
- 2003 – 2004 Wrote and presented inquiry based biology curriculum as a co-teacher at urban Chelsea High School as an NSF GK-12 Fellow.
- 2002 – 2007 Assisted in developing a new course in Molecular Ecology, ran the laboratory component, teaching molecular methods and helped to guide students through independent projects.
- 1997 – 2001 Internships with the Monterey Bay Aquarium, National Park Service and the East Bay Regional Park District focused on environmental education and natural history interpretation.

### **Service**

- 2007 Reviewer for Journal of Experimental Marine Biology
- 2003 – 2005 Served as liaison to the faculty and coordinated seminars and activities with students at the Woods Hole Oceanographic Institute as Vice President of Boston University Marine Program Student Association
- 2003 Organized a larval dispersal journal club that brought together researchers from 4 different scientific institutions in the Woods Hole area.

### **Presentations**

- 2007 Evolution – Christchurch, New Zealand
- 2007 International Biogeography Society – Puerto de la Cruz, Spain
- 2006 Evolution – Stony Brook, NY
- 2006 Ocean Sciences – Honolulu, HI
- 2005 New England Molecular Evolutionary Biologists – Wellesley, MA