

PAUL DURST
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Department of Biology
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EDUCATION:

- Duke University; Biology, PhD Candidate (sixth year)
- University of California, Berkeley; Integrative Biology, BA, 2006

GRANTS, AWARDS AND FELLOWSHIPS:

- NSF Doctoral Dissertation Grant, 2013
- Duke Biology Departmental Grant-In-Aid, 2013
- Duke Biology Departmental Grant-In-Aid, 2012
- SciFund Challenge (a crowd-sourced funding initiative; \$1,046 raised), 2012
- Duke Biology Departmental Grant-In-Aid, 2011
- Sigma Xi Grant-In-Aid, 2011
- Graduate Fellowship, National Evolutionary Synthesis Center, 2010
- Duke Center for Science Education Student Outreach Grant, 2010
- Duke Biology Departmental Grant-In-Aid, 2009
- Honorable Mention, NSF Graduate Research Fellowship Program, 2009
- James B. Duke Fellowship, 2008

PUBLICATIONS:

- Durst, P.A.P. & V.L. Roth, 2013. Defining extreme: a new perspective on insular mammalian body size change. (submitted)
- McClain, C.R., P.A.P. Durst, A.G. Boyer, C.D. Francis, 2013. Unravelling the determinants of insular body size shifts. *Biology Letters*, 9(1), doi: 10.1098/rsbl.2012.0989
- Durst, P.A.P. & V.L. Roth, 2012. Classification-tree methods provide a multifactorial approach to predicting insular body-size evolution in rodents. *The American Naturalist*, 179(4), 545-553
- Durst, P.A.P., 2005. Habitat preferences of the avian community on the island of Moorea, French Polynesia, *The Biology and Geomorphology of Tropical Islands: Student Research Papers - 2004*. Richard P. Gump Biological Station, University of California, Berkeley, 2004.

POSTERS & PRESENTATIONS:

- *Defining extreme: a new perspective on insular mammalian body size change*. Presentation, American Society of Mammalogists Meetings, 2013
- *Examining factors influencing body size change for insular rodents*. Presentation, Society for Integrative and Comparative Biology Meetings, 2013
- *Is there an island rule? Utilizing classification trees to evaluate insular body size in rodents*. Poster, Society for the Study of Evolution/Society of Systematic Biologists/American Society of Naturalists Joint Meetings, 2010

RESEARCH EXPERIENCE:

- Field Technician for Mark Novak, University of Chicago 2007
Studied the effects of omnivory on a multi-trophic level food web in the marine intertidal zones of New Zealand.
- Field Coordinator for John Leonhart, University of North Dakota 2006
Assessed the biodiversity of small mammal, reptile and amphibian populations throughout southwestern North Dakota.
- Field Technician for Sylvain Charlat, Moorea, French Polynesia 2005
Studied the effects of the sex-ratio distorting Wolbachia bacteria on the butterfly *Hypolimnas bolina* as part of an NSF funded REU (research experience for undergraduates).
- Independent Research with Vincent Resh, University of California, Berkeley 2003 – 2005
Studied the scientific impact of the River Continuum Concept.
- Independent Field Research in Moorea, French Polynesia 2004
Studied the habitat preferences of birds on the island and how they affect native and endangered species.
- Independent Field Research at Bodega Bay 2003
Studied the dependence of sandy ecosystems on input from the oceans via marine wrack.

TEACHING EXPERIENCE:

- Guest lecturer, Island and Evolution, NC State, 2014
- Guest lecturer, Comparative and Functional Vertebrate Anatomy, 2013
- Graduate Student Coordinator, Howard Hughes Research Fellows Program, 2012-present
- Responsible Conduct In Research Graduate Student Forum, "Permits and Procedures for Animal and Plant Research", 2011
- Teaching Assistant, Duke University 2008-Present
 - Lecture Courses: AIDS and Other Infectious Diseases
 - Lab Courses: Principles of Biology, Animal Physiology, Comparative and Functional Vertebrate Anatomy

OTHER SYNERGISTIC ACTIVITIES

- Public presentation at the North Carolina Natural Science Museum, 2014
- Biology Graduate Student Steering Committee, 2011-2013
- Student Representative, Duke Biology Faculty Search Committee for Integrative Biologist, 2012
- Interviewed for *Shipwrecked on Dry Land*, a radio documentary for NPR, 2012
- Junior Editor, American Journal Experts, 2009-2012
- Manuscript Reviewer, PLOS One, 2010

GRADUATE ADVISOR:

V.L. Roth (Duke University, PhD Advisor)