

## Devin M. Drown

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### EDUCATION

Washington State University, Pullman, WA	2004 - Current
Ph.D. candidate	
Co-advisors: Dr. Mark Dybdahl and Dr. Richard Gomulkiewicz	
Santa Fe Institute Complex Systems Summer School	2008
University of Washington, Seattle, WA	2008
Visiting Graduate Student	
University of Utah, Salt Lake City, UT	1997 - 2000
Graduate studies. Advisor: Dr. Dale Clayton	
Grinnell College, Grinnell, IA	1993 - 1996
B.A. Biology, Honors	

### PUBLICATIONS

Gomulkiewicz R, Drown DM, Dybdahl MF, Godsoe W, Nuismer SL, Pepin KM, Ridenhour BJ, Smith CI, and Yoder JB. 2007. Do's and Don'ts of testing the geographic mosaic theory of coevolution. *Heredity* 98: 249-258.

Meekan MG, Vigliola L, Doherty PJ, Drown DM, Jones E, and Barber PH. 2007. Genetic identity determines risk of post-settlement mortality in a coral reef fish. *Ecology* 88: 1263-1277.

Moyer BR., Drown DM, and Clayton DH. 2002. Low humidity reduces ectoparasite pressure: implications for host life history evolution. *Oikos* 97: 223-228.

Johnson KP, Williams BL, Drown DM, Adams RJ, and Clayton DH. 2002. The population genetics of host specificity: Genetic differentiation in dove lice (Insecta: Phthiraptera). *Molecular Ecology* 11:25-38.

Clayton DH and Drown DM. 2001. Critical evaluation of five methods for quantifying chewing lice (Insecta: Phthiraptera). *Journal of Parasitology* 87: 1291-300.

Johnson KP, Drown DM, and Clayton DH. 2001. A data based parsimony method of cophylogenetic analysis. *Zoologica Scripta* 30: 79-87.

Drown DM and Brown JM. 1998. Molecular phylogeny of North American oak-gallying Cynipini (Hymenoptera: Cynipidae) supports need for generic revision. Pp 241-246. *The Biology of Gall-Inducing Arthropods* (Csoka, G., W. J. Mattson, G. N. Stone, and P. W. Price eds). Gen. Tech. Rep. NC-199. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Research Station.

In prep:  
Drown DM, Dybdahl MF and Gomulkiewicz R. Genetic structure, spatial structure, and the Evolution of Migration.

### GRANTS

2008	NSF Doctoral Dissertation Improvement Grant: Local Adaptation and Diversification in Parasites. Washington State University (\$12,000)
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## **FELLOWSHIPS/AWARDS**

- 2007, 2008 NSF IGERT Program in Evolutionary Modeling Graduate Fellowship, Washington State University  
2007 McNeil Memorial Graduate Fellowship, Washington State University  
2004, 2005 Graduate Scholar Award, Washington State University  
1996 Smith Science Award, Grinnell College

## **CONTRIBUTED POSTERS/PRESENTATIONS\***

- 4/2008 EvoWIBO: Evolutionary biologists in the Pacific Northwest, Port Townsend, WA  
7/2007 Evolutionary Genetics of Host-Parasite Relationships, Roscoff, France.  
6/2006\* Society for the Study of Evolution Annual Meeting: SUNY, Stony Brook, NY.  
11/2005\* EcoLunch. Washington State University, Pullman, WA.  
6/1998 Annual Meeting: Society for the Study of Evolution. UBC, Vancouver, BC.  
8/1997\* Symposium: Biology of gall-inducing arthropods. Matrafured, Hungary.  
10/1996 Symposium: Phylogeny of Life. University of Arizona, Tucson, AZ.  
10/1996\* PEW Undergrad Research Symposium. University of Chicago, Chicago, IL.

## **PUBLIC OUTREACH**

- 2007 Created display on speciation for the Conner Museum of vertebrates at Washington State University in collaboration with Chad Brock

## **TEACHING EXPERIENCE (\* lab and lecture)**

- Washington State University (2005-2006)  
Principles of Organic Evolution (BIOL 405): Guest Lecture  
Introduction Biology lab: Organismal Biology (BIOL 106)  
Boston University (2003)  
Molecular Ecology and Evolution (BIO 536)\*  
University of Utah (1998-2000)  
Molecular Evolution (BIO 360)\*  
Principles of Ecology and Evolution (BIO 244)  
Principles of Biology II (BIO 2002)  
Organismal Diversity, Form and Function (BIO 2002)  
Grinnell College (1995-1996)  
Structure and Function of Organisms (BIO 135)\*  
Introduction to Evolution and Ecology (BIO 136)\*  
Molecular Genetics (BIO 235)\*

## **RESEARCH EXPERIENCE**

- Senior Research Technician, Boston University November 2002 - August 2004  
Studying population structure and mating systems in various marine organisms using molecular techniques.  
Lab Technician, University of Pittsburgh March 1997 - August 1997  
Assisted with greenhouse and field experiments relating to plant evolutionary ecology. Set up a molecular lab for population genetic work and directed the training.  
Research Assistant, Grinnell College January 1996 – February 1997  
Conducted a year long independent project on the molecular phylogenetics of North American oak galling Cynipid Wasps