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Academic Positions

2006- Assistant Professor, Dept. of Biological Sciences, Clemson University
2005-2006 Part-time Assistant Professor, Dept. of Biological Sciences, Clemson University
2002-2005 Assistant Professor, Department of Marine Sciences, University of North Carolina
at Chapel Hill

Professional Preparation

2000-2002 Postdoctoral Fellow, Natural History Museum of Los Angeles County
1998-2000 Postdoctoral Fellow, Friday Harbor Laboratories, University of Washington
1997-1998 Postdoctoral Fellow, Smithsonian Tropical Research Institute
1991-1997 PhD in Population Biology, University of California at Davis
1987-1991 BSc with Honors in Zoology, University of Alberta

Academic Advisors

Richard K. Grosberg, Geerat J. Vermeij (PhD)
Jeremy B. C. Jackson, Nancy Knowlton (Postdoctoral)

Fellowships and Awards

2000-2002 Keck Postdoctoral Fellowship, Natural History Museum of Los Angeles County
1998-2000 Friday Harbor Laboratories (University of Washington) Postdoctoral Fellowship
1997-1998 Smithsonian Tropical Research Institute Postdoctoral Fellowship
1994-1996 Sir James Lougheed (Province of Alberta) Pre-doctoral Fellowship
1993-1995 Natural Science and Engineering Research Council (Canada) Pre-doctoral
Fellowship

Current and Recent Grant Support

National Science Foundation (2006-2009): Phylogeography of a Regional Fauna: Rocky
Shores of the North Pacific (\$495,545, awarded 4/27/06).

National Science Foundation (2004-2007): Neogene Caribbean Biotic Turnover and the
Evolutionary Significance of Geminant Species Separated by the Isthmus of Panama
(\$295,986; \$207,289 transferred to Clemson 1/4/06).

National Science Foundation (2004-2005): SGER - Can larval dispersal be directly measured? Development of calcein-based marking techniques for characterization of planktotrophic larval dispersal shadows (\$44,470). Co-PI: A. L. Moran (UNC-CH).

National Science Foundation Dissertation Improvement Grant (1996-1998): A Phylogeographic Analysis of Speciation: the Evolution of Reproductive Isolation in the Snail Genus *Nucella* (\$9,568).

Publications

Marko, P. B. & K. B. Barr (*in press*). Basin-scale patterns of mtDNA differentiation and gene flow in the Bay Scallop, *Argopecten irradians concentricus* Say. ***Marine Ecology Progress Series***

Marko, P. B. 2007 (*in press*). Allopatry. Pp. xx-xx in ***The Encyclopedia of Ecology*** by S. V. Jørgensen (ed.). Elsevier, Oxford, UK.

Marko, P. B. 2007 (*in press*). Sympatry. Pp. xx-xx in ***The Encyclopedia of Ecology*** by S. V. Jørgensen (ed.). Elsevier, Oxford, UK.

Marko, P. B., Rogers-Bennett, L. & A. Dennis. 2007. Population structure and migration of lingcod (*Ophiodon elongatus*) inferred from mitochondrial DNA: limited dispersal of long-lived pelagic larvae? ***Marine Biology*** 150:1301-1311.

Moran, A. L. & **P. B. Marko.** 2005. A simple technique for physical marking of marine bivalves. ***Journal of Shellfish Research*** 24: 567-572.

Marko, P. B. 2005. An intraspecific comparative analysis of character divergence between sibling species. ***Evolution*** 59: 554-564.

Marko, P. B., S. C. Lee, A. M. Rice, J. M. Gramling, T. M. Fitzhenry, J. S. McAlister, G. R. Harper, A. L. Moran. 2004. Mislabeling in a depleted reef fish. ***Nature*** 430: 309-310 (Coverage in articles and stories in the media, including *The New York Times*, *USA Today*, *CNN*, *The CBS Evening News*, *The Chicago Tribune*, *The Baltimore Sun*, *New Scientist*, *Scientific American*, *All Things Considered*, and *Talk of the Nation*).

Marko, P. B. 2004. 'What's larvae got to do with it?' Contrasting patterns of post-glacial population structure in two benthic marine gastropods with identical larval dispersal capabilities. ***Molecular Ecology*** 13: 597-611.

Marko, P. B., A. R. Palmer, & G. J. Vermeij. 2003 Resurrection of *Nucella ostrina* (Gould, 1852), Lectotype Designation for *N. emarginata* (Deshayes, 1839), and Molecular Genetic Evidence of Pleistocene Speciation. ***The Veliger*** 46: 1-12.

- Marko, P. B.** 2002. Fossil calibration of molecular clocks and the divergence times of geminate species pairs separated by the Isthmus of Panama. *Molecular Biology & Evolution* 19: 2005-2021.
- Marko, P. B.** & A. L. Moran. 2002. Correlated evolutionary divergence of a mitochondrial protein and egg size across the Isthmus of Panama. *Evolution* 56:1303-1309.
- Marko, P. B.** & J. B. C. Jackson. 2001. Patterns of morphological diversity among Recent and fossil tropical American geminate bivalves in the family Arcidae. *Journal of Paleontology* 75: 590-606.
- Marko, P. B.** & G. J. Vermeij. 1999. Molecular phylogenetics and the evolution of labral spines among eastern Pacific ocenebrine gastropods. *Molecular Phylogenetics & Evolution* 13: 275-288.
- Marko, P. B.** 1998. Historical allopatry and the biogeography of speciation in the prosobranch snail genus *Nucella*. *Evolution* 52:757-774.
- Marko, P. B.** & A. R. Palmer. 1991. Responses of a rocky shore gastropod to the effluents of predatory and non-predatory crabs: avoidance and attraction. *Biological Bulletin* 181:363-370.

Recent Invited Presentations

- 2006 Department of Biology, College of Charleston
2005 Department of Biology, Wright State University
2005 Department of Biological Sciences, Clemson University
2004 Kewalo Marine Laboratory, University of Hawaii
2004 Coordinated Research on the North Atlantic (CORONA), Annual Meeting, Plymouth, UK
2004 Division of Marine Biology, Harbor Branch Oceanographic Institute
2004 Department of Biology, Florida Atlantic University

Other Presentations, last five years

- 2004 6th International Larval Biology Conference (Hong Kong)
2004 Annual meeting of the Society for Integrative and Comparative Biology (New Orleans)
2003 Annual Benthic Ecology meetings (Mystic)

Participation in Professional Societies

Society for the Study of Evolution
Paleontological Society

Society for Molecular Biology and Evolution
Society for Integrative and Comparative Biology

Service & Synergistic Activities

- Direction of one PhD thesis (Holly Nance).
- Serving on thesis committees for two other PhD students.
- Mentor for students from under-represented groups in the Blinks Research Fellowship Program (University of Washington).
- Consultant for local high school teachers developing molecular biology projects.
- Peer reviewer for 11 journals (including *Science*, *Evolution*, *Genetics*, *Molecular Ecology*, *Systematic Biology*, *Ecology*) and four NSF programs (Systematic Biology, Population and Evolutionary Processes, Biological Oceanography, Ecological and Evolutionary Physiology).
- Panelist, NSF program in Biotic Surveys & Inventories (Fall 2005).

References

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Dr. Jeremy B. C. Jackson
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Dr. Clifford W. Cunningham
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