

Peter Hans Wimberger
Department of Biology
University of Puget Sound
Tacoma, WA 98416
(253) 879-2784
email: wimbo@ups.edu

EDUCATION

1991 Ph.D., Cornell University, Ithaca, New York (Ecology and Systematics)
1982 B.A., University of Washington, Seattle (Zoology, Botany, with Honors)
1975-8 Williams College, Williamstown, Massachusetts

HONORS AND AWARDS (last five years)

2000 Murdock Charitable Trust Grant --Project GROWS: High School Salmon Genetics Outreach
1999 Tacoma Community Foundation Grant -- Fostering University partnerships
1998 National Science Foundation ILI Grant -- 3-University partnership for purchase of DNA sequencer
1996 Fuchs Foundation Grant -- Project GROWS: Seed money for Salmon Genetics Outreach
National Science Foundation Research Opportunity Award -- Rockfish Conservation Genetics
Washington Seagrant Research Development Award -- Rockfish Conservation Genetics
Martin Nelson Junior Faculty Fellowship -- Rockfish Conservation Genetics
Murdock Foundation Instrumentation Award -- DNA Sequencing Equipment

PROFESSIONAL AND TEACHING EXPERIENCE

2001 Director, Environmental Studies, University of Puget Sound
1998 -- 2001 Associate Professor, Biology, University of Puget Sound
1996-7 Visiting Research Scholar and Assistant Professor, University of Washington
1993-98 Assistant Professor, Curator of Ichthyology, University of Puget
1991-3 Postdoctoral Research Fellow, University of Michigan

COURSES TAUGHT

Biology 111	Introductory Biology
Biology 112	Evolution and the Diversity of Life
Biology 460	Evolution
Science-In-Context 325D	Salmon Recovery in the Columbia River: Science and Conflict
Science-In-Context 328	Biology at the Bar: Science in a Legal Context
Science-In-Context 330	The Idea of Evolution

PRESENTATIONS (last five years)

2000 (invited) University of California, Education Abroad Program, Monteverde Costa Rica
(invited) The Evergreen State College, Tropical Biology, La Selva, Costa Rica
1999 (invited) National Marine Fisheries Service Conservation Division, Seattle, WA
1998 (invited) National Science Teacher's Associations, Seattle (day long workshop)
(invited) Evolution, Ecology and Ethology of Fishes Society, University of Washington
Society for the Study of Evolution, University of British Columbia (also organized session)
(invited) University of Washington, Tacoma
1997 (invited) Advances in Neotropical Fish Systematics, Porto Alegre, Brazil
(invited) Fred Hutchinson Cancer Research Clinic (QUEST), Seattle, WA
(invited) National Marine Fisheries Service Pacific Coast Salmon DNA Conference, Seattle.
Society for the Study of Evolution, University of Colorado
(invited) Conservation Biology Society, University of Victoria
1996 (invited) Simon Fraser University (Biology Department)

(invited) University of Washington (Vertebrate Biology Seminar)
Speciation Symposium , Asilomar, CA
Washington SEAGRANT Symposium, University of Washington
(invited) University of Oregon (Ecology and Evolutionary Biology)
Molecular Evolution Gordon Conference, Ventura California

PUBLICATIONS

- subm. Burr, J*, P. Bentzen, L. Seeb, J. West and **P. Wimberger**. Microsatellite analysis of genetic population structure of quillback rockfish (*Sebastes maliger*) from Puget Sound to Southern Alaska: Evaluation of distinct population segments. Submitted to Conservation Genetics 1999
- 1999 **Wimberger, P.**, J. Burr*, A. Gray, A. Lopez and P. Bentzen. Isolation and characterization of twelve microsatellite loci for rockfish (*Sebastes*). *Marine Biotechnology* 1:311-315.
- 1998 **Wimberger, P.H.**, R.Reis, and K. Thornton*. Mitochondrial Phylogenetics, Biogeography, and the Evolution of Parental Care and Mating Systems Among the Naked Earth Eaters (*Gymnogeophagus*, Cichlidae, Perciformes). In (L. Malabarba and R. Reis eds.) *Advances in Neotropical Fish Systematics*.
- 1996 **Wimberger, P.H.** and A. deQueiroz. Comparing behavioral and morphological characters as indicators of phylogeny. In: (E. P. Martins, Ed.) *Phylogenies and the Comparative Method in Animal Behavior*. Oxford University Press, Oxford.
- 1994 Collins, T.M., **P.H. Wimberger** and G.J.P. Naylor. Compositional bias affects character-state reconstruction using parsimony. *Systematic Biology* 43:482-496.
- Wimberger, P.H.** Trophic plasticity, polymorphisms, and speciation in vertebrates. In: (D.J. Stouder and K. Fresh, Ed.) *Advances in Foraging Theory and Ecology*, Belle Baruch Press, South Carolina.
- 1993 deQueiroz, A. and **P.H. Wimberger**. The utility of behavior for phylogeny estimation: levels of homoplasy in behavioral and morphological characters. *Evolution* 47:46-60.
- Wimberger, P.H.** The effects of vitamin C deficiency on body shape, jaw and skull morphology in *G. brasiliensis*: implications for interpretations of morphological plasticity. *Copeia* 1993:311-319.
- 1992 **Wimberger, P.H.** Plasticity of fish body shape: the effects of diet, development, family and age in two species of *Geophagus* (Pisces: Cichlidae). *Biological Journal of the Linnean Society* 45:197-218.
- 1991 **Wimberger, P.H.** Plasticity of jaw and skull morphology in the neotropical cichlids *Geophagus brasiliensis* and *G. steindachneri*. *Evolution* 45:1545-1563.
- 1989 Maddox, G.D., R.E. Cook, **P.H. Wimberger** and S. Gardescu. Clone structure in four *Solidago altissima* populations: rhizome connections within genotypes. *Amer. J. Bot.* 76:318-326.
- 1988 **Wimberger, P.H.** Food supplement effects on breeding time and harem size in the Red-winged Blackbird (*Agelaius phoeniceus*). *Auk* 105:799-802.
- 1984 **Wimberger, P.H.** The use of green plant material in bird nests to avoid ectoparasites. *Auk* 101:615-618.

* undergraduate student author