

PETER E. SMOUSE

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Cook College, Rutgers University
New Brunswick, NJ 08901-8551

EDUCATIONAL AND PROFESSIONAL HISTORY

- 1960-65 B.S. in Forestry from University of California - Berkeley
- 1965-70 Ph.D. in Genetics from North Carolina State University - Raleigh
- 1970-72 Postdoc in Zoology, University of Texas - Austin
- 1972-89 Asst. → Full Prof, Human Genetics, University of Michigan - Ann Arbor
- 1984-85 Visiting Prof. - Demographic & Population Genetics, Univ. Texas - Houston
- 1985-89 Professor of Biology, University of Michigan
- 1989-96 Prof-II of Marine and Coastal Sciences, Rutgers University - New Brunswick
- 1989-97 Assoc Director, Center for Theoret. & Applied Genetics, Rutgers University
- 1993-95 Associate Dean, Graduate School - New Brunswick, Rutgers University
- 1995-96 Acting Associate Provost - New Brunswick, Rutgers University
- 1996- Professor-II: Ecology, Evolution & Natural Resources, Rutgers University
- 1997-01 Chair - Ecology, Evolution & Natural Resources, Rutgers University
- 2004 Visit. Research Scientist, Inst. Natl. Invest. Agric. & Aliament., Madrid, Spain

PROFESSIONAL SERVICE

- 1978 NIGMS Consultant: Committee on Quant. Genetics and Common Diseases
- 1979-82 Associate Editor: Theoretical Population Biology
- 1980-83 NSF Review Panel: Population Biology and Physiological Ecology
- 1981 NIH Study Section: Mammalian Genetics
- 1987-89 Associate Editor: Evolution
- 1988-91 Editorial Board: International Journal of Quantitative Anthropology
- 1990 NRC Ad Hoc Committee: Endangered Amphibians of High Elevations
- 1990-92 Associate Editor: Journal of Heredity
- 1992 NIH/NSF/DoE: 2nd Workshop, Human Genome Diversity Project
- 1994-96 Council of the American Genetic Association
- 1994 Sloan/NSF Workshop: Emerg Relev of Evol Biol to Appl Probl & Oppor
- 1995-98 NY State Forensic Commission, DNA Subcommittee
- 1995-98 US National Committee, International Union of Biological Sciences (IUBS)
- 1998 Scientific Review Panel, Columbia Environmental Institute (CEI)
- 1998 Advisory Board, Cooperative Instit. of Fish. Molec. Biology (FISHTEC)
- 1998 NRC / Howard H. Hughes Doctoral Award Panel
- 1998-99 NSF Population Biology Panel, Dissertation Grants
- 1998-05 Steering Committee, NJ Higher Education Partnership for Sustainability
- 2000-03 Review Board: Molecular Ecology
- 2000-03 NRC Committee on Atlantic Salmon in Maine
- 2001 Advisory Board, Dept. Ecology & Evolutionary Biology, Columbia University
- 2001-05 Steering Committee, New Jersey Solid Waste Policy Group

PROFESSIONAL SERVICE (continued)

- 2001- Advisory Board, The Land Institute, Salina, Kansas
- 2003 NIGMS Special Study Section
- 2004- Technical Dispute Settlement Board, Pacific Salmon Commission
- 2005- Independent Scientific Advisory Board, NW Power & Conservation Council

ACTIVE GRANTS (total since 1970 > \$2 million)

- 2002-06 NSF-DEB-0211430: *Collaborative Research: Spatially and Temporally Explicit Breeding Structure Analyses for a Tropical Dry-Forest Tree Species, Enterolobium cyclocarpum*, with JL Hamrick (PI), \$160,000 (my part), 20% effort
- 2005-08 NSF-DEB-0514956: *Collaborative Research: Seed-Flow in Valley Oak - New Approaches to an Old Problem*, with VL Sork, 183,999 (my part), 20% effort

RELEVANT BIBLIOGRAPHY

- Waples RS and Smouse PE (1990) Gametic disequilibrium analysis as a means of identifying mixtures of salmon populations. AM FISHER SOC SYMP 7:439-458.
- Smouse PE, Waples RS and Tworek JA (1990) Genetic analysis of Chinook salmon taken at Bonneville Dam: A mixed fishery model for use with incomplete baseline data. CAN J FISH AQUAT SCI 47:620-634.
- Xu S, Kobak C and Smouse P (1994) Constrained least squares estimation of mixed population stock composition from mtDNA haplotype frequency data. CAN J FISH AQUAT SCI. 51:417-425.
- Smouse PE, Kobak CJ, and Xu S (1994) Some thoughts on information content in allozyme and DNA markers in genetic stock identification. In: *Application of DNA Technology to the Management of Pacific Salmon*, LK Park, PC Moran, and RS Waples. US DEPT COMMERCE, NOAA TECH MEMO. NMFS-NWFSC-17. pp. 121-126.
- Epifanio JM, Smouse PE, Kobak CJ and Brown BL (1995) Mitochondrial DNA divergence among populations of American shad (*Alosa sapidissima*): How much variation is enough for mixed stock analysis? CAN J FISH AQUAT SCI 52:1688-1702.
- Brown BL, Epifanio JM, Smouse PE and Kobak CJ (1996) Temporal stability of mtDNA haplotype frequencies in American shad stocks: to pool or not to pool across years? CAN J FISH AQUAT SCI 53:2274-2283.
- Brown BL, Epifanio JM, Kobak CJ and Smouse PE (1997) Critical tests for variation indicate mtDNA characters are powerful for mixed stock analysis. Proc SECOND WORLD FISH CONGR, VOL 2, pp. 332-340.
- Brown BL, Smouse PE, Epifanio JM and Kobak CJ (1999) Mitochondrial DNA mixed stock analysis of American shad: Coastal harvests are dynamic and variable. TRANS AM FISH SOC 128:977-994.
- Committee on Atlantic Salmon in Maine (2002) *Genetic Status of Atlantic Salmon in Maine*. NAT RES COUN, NATL ACAD PRESS, Washington, DC. 71 pp. (Smouse contributing).
- Committee on Atlantic Salmon in Maine (2004) *Atlantic Salmon in Maine*. NAT RES COUN, NATL ACAD PRESS, Washington, DC. 276 pp. (Smouse contributing).