

CURRICULUM VITAE

Gary F. McCracken, Professor
Department of Ecology and Evolutionary Biology
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Education

B.S. cum laude, University of Notre Dame, June 1970. Biology.
Ph.D., Cornell University, May 1976. Ecology and Evolutionary Biology.

Academic positions

1976_1978 Postdoctoral Fellow. Department of Biology, University of California, San Diego.
1978_1979 Postdoctoral Fellow. Department of Biology, University of Rochester.
1979_1985 Assistant Professor. Department of Zoology and Graduate Program in Ecology, University of Tennessee, Knoxville.
1985_1990 Associate Professor. Department of Zoology and Graduate Program in Ecology, University of Tennessee, Knoxville.
1990_ Professor. Department of Ecology and Evolutionary Biology, University of Tennessee, Knoxville.

Research interests

Population ecology, evolutionary genetics, conservation biology and animal behavior.

Courses taught

Conservation Biology, Population Biology, Mammalogy, Vertebrate Biology, Evolution, Evolution and Society, Undergraduate research participation, Graduate seminars in ecology, evolution, behavior, genetics, and conservation biology.

Grants and Contracts

Cumulative Research Grants and Contracts exceed \$4,023,000 during tenure at UTK
A partial list of awarding agencies and foundations includes:
National Science Foundation
U.S. Department of Interior
U.S. Forest Service
U.S. Department of Agriculture
U.S. Department of Defense
Institute for Museum and Library Services
National Geographic Society
Lubee Foundation
Bat Conservation International

Honors

Gerrit S. Miller, Jr. Award
Faculty Public Service Award, University of Tennessee, College of Arts and Sciences, 1999
Chancellor's Research and Creativity Award, University of Tennessee, 2000

Professional service on boards and directorships

American Association of Zoological Parks and Aquariums (AAZPA), Taxon Advisory Group for Bats.
Scientific Advisory Board, 1991-present.
Lubee Foundation. Scientific Advisory Board, 1991-present.
Bat Conservation International. Scientific Advisory Board, 1995-present.
Organization for Tropical Studies. Board of Directors, 1995-present.
Programa para conservacion murcielagos migratorios. Board of Directors, 1995-present.
Editorial Board of Animal Conservation, 1998-present.

North American Bat Conservation Partnership, Executive Steering Committee, 1999-present

Publications

Since 2000, of 98 publications

McCracken, G.F. and G.S. Wilkinson. 2000. Bat mating systems. Pp. 321-362 In Reproductive Biology of Bats, E. Crichton and P. Krutsch (eds.). Academic Press.

Menzel, J.M., M.A. Menzel, G.F. McCracken, and B.R. Chapman. 2000. Notes on bat activity above the forest canopy in the eastern United States. *Georgia Journal of Science* 58:212-216

King, R.B., W.B. Milstead, H.L. Gibbs, M.R. Prosser, G.M. Burghardt, and G.F. McCracken. 2001. Application of microsatellite markers to discriminate maternal and genetic effects on scalation and behavior in multiply-sired garter snakes. *Can. J. Zool.* 79: 121-128.

Whitaker, J.O. and G.F. McCracken. 2001. Food and parasites of bats on the Galapagos Islands. *Acta Chiropterologica* 3:63-69.

Vege, S. and G.F. McCracken. 2001. Microsatellite genotypes of big brown bats (*Eptesicus fuscus*: Vespertilionidae, Chiroptera) obtained from their feces. *Acta Chiropterologica* 3:237-244.

Lee, Ya-Fu and G.F. McCracken. 2002. Foraging activity and food resource use of Brazilian free-tailed bats, *Tadarida brasiliensis* (Molossidae). *Ecoscience* 9: 306-313.

McCracken, G.F. and J.K. Westbrook. 2002. Bat Patrol. *National Geographic Magazine*, April 2002: 114-123.

Thulin, C.-G, N. Gyllenstrand, G. McCracken and D. Simberloff. 2002. Highly variable microsatellite loci for studies of introduced populations of the small Indian Mongoose (*Herpestes javanicus*). *Molecular Ecology Notes* 2:453-455

Wilkinson, G.S. and G.F. McCracken. 2003. Bats and balls: sexual selection and sperm competition in bats. pp. 128-155. In Bat Ecology. T.H. Kunz (ed.) Cambridge Univ. Press.

McCracken, G.F. Warm season colonies of Brazilian free-tailed bats. In Monitoring Techniques for Populations of Bats. T.J. O'Shea and M. Bogan, (eds). U.S. Geological Service. Special Publication In Press

Walsh, A., R.M.R. Barclay, and G.F. McCracken. Designing bat activity surveys for inventory and monitoring studies at local and regional scales. *Bat Echolocation Symposium*, Austin, TX. In Press

Russell, A. and G.F. McCracken. Population genetic structuring in very large populations: the Brazilian free-tailed bat (*Tadarida brasiliensis*). In Functional and Evolutionary Ecology of Bats. Akbar Zubaid, G.F. McCracken & T.H. Kunz, (eds). Oxford University Press. In Press.

Graduate Student Training

MS degree: Gelfand, Deborah, L. 1985, Britten, Hugh. 1985, Anderson, John, B. 1985. Okoniewski, Maria, 1986, MacKenzie, Scott, 1988, Mistry, Shahroukh, 1989, Ya-Fu Lee, 1993, Comeaux, Lisa, 1996. Vege, Sunitha, 2000, Holmes, Jennifer, 2001

PhD degree: Balcombe, Jonathan, 1991, Brooke, Anne P., 1994, Brennan, E. Jean., 1995, Guffey, S.Z., 1998, Lee, Ya-Fu, 1999. Russell, Amy, L, 2000

In Progress: Gillam, Erin, H. (PhD), Tibbles, Annie (PhD).

University Committee/Administrative Service

Chair, EEB Graduate Affairs Committee (1999 - Present), Division of Biology Director Search Committee (2003), Arts and Sciences Dean's Advisory Committee (1997 - 2002), EEB Executive Committee (1998- present), Review Team Member for FWF Departmental Review (2002), Chair, EEB Undergraduate Affairs Committee (1997-1999), EEB Departmental Head Search Committee (1998), Division of Biology Curriculum Revision Committee (1997), Chair, Department of Zoology Graduate Affairs Committee (1986-1994). Faculty Advisor, Undergraduate Biology Club (1987-1993), Chair, Ecology Graduate Program Review Committee (1992), Past Service on Graduate Affairs, Undergraduate Affairs, Tenure and Promotion, Seminar, Space and Facilities, and Executive Committee's of the Department of Zoology. Ad hoc faculty search committees (15, in total) for the Departments of Zoology, Ecology and Evolutionary Biology, Microbiology, and Botany.