

NANCY B. SIMMONS
CURATOR AND CURATOR-IN-CHARGE
DEPARTMENT OF MAMMALOGY
DIVISION CHAIR
DIVISION OF VERTEBRATE ZOOLOGY
Phone: 212.769.5483 Fax: 212.769.5239 simmons@amnh.org

HIGHEST DEGREE EARNED

Ph.D.

AREA OF SPECIALIZATION

Morphology and evolutionary biology of bats

EDUCATION

Ph.D., University of California, Berkeley, 1989

Ph.C., University of California, Berkeley, 1985

B.A., Pomona College, Cum Laude, 1981

EXPERIENCE IN DOCTORAL EDUCATION

FACULTY APPOINTMENTS

Adjunct Faculty, Graduate Program in Ecology and Evolutionary Biology, Columbia University, 1997-present

Adjunct Associate Professor, Ph.D. Program in Biology, City University of New York Graduate School, 1993-present

Adjunct Assistant Professor, Department of Natural Sciences, Baruch College, City University of New York, 1991-1993

Lecturer, Department of Biological Sciences, San Francisco State University, 1989

Instructor, Department of Paleontology, University of California, Berkeley, 1987-1989

Lecturer, Department of Zoology, University of California, Berkeley, 1988

Teaching Assistant and Associate, Department of Zoology, University of California, Berkeley, 1986-1987

GRADUATE COMMITTEES

Chaired

Adrian Tejedor, Ecology, Evolutionary Biology, Behavior program, City University of New York, 2000-present

Valerie Tavares, Ecology, Evolutionary Biology, Behavior program, City University of New York, 1999-present

Served

Kevin Olival, Ecology, Evolution and Environmental Biology, Columbia University, 2004-present

Cullen Geiselman, Ecology, Evolution and Environmental Biology, Columbia University, 2004-present

Karen Samonds, Ph.D. Program in Anatomical Sciences, SUNY Stony Brook, 2002-present
Sushma Reddy, Ecology, Evolutionary Biology, Behavior program, City University of New York, 2002-2004
Jonathan Geisler, Vertebrate Paleontology Ph.D. Program, Columbia University, 1999 - 2001
Rebecca Kirchner, Ph.D. Program in Genetics, New York University, 1998 -2000
Amy Russell, Ph.D. Program in Ecology and Evolutionary Biology, University of Tennessee at Knoxville, 1998-2003
Ana Luz Porzecanski, Center for Environmental Research and Conservation/ Ecology, Evolution and Environmental Biology, Columbia University, 1997-2003
Marcelo Weksler, Ecology, Evolutionary Biology, Behavior program, City University of New York, 1996-2004
Victor Pacheco, Ecology, Evolutionary Biology, Behavior program, City University of New York, 1996-2003

GRADUATE ADVISEES

Scott Carrdiff, Columbia University, Center for Environmental Research and Conservation/ Ecology, Evolution and Environmental Biology, 2003-present
Adrian Tejedor, City University of New York, Ecology, Evolutionary Biology, Behavior program, 2000-present
Valerie Tavares, City University of New York, Ecology, Evolutionary Biology, Behavior program, 1999-present
Liliana Davalos, Columbia University, Center for Environmental Research and Conservation/ Ecology, Evolution and Environmental Biology, 1998-2004
Andrea Wetterer, Columbia University, Center for Environmental Research and Conservation/ Ecology, Evolution and Environmental Biology, 1995-2003

RESEARCH GRANT SUPPORT

FEDERAL SOURCES

National Science Foundation, Dissertation Research: Sources of Neotropical Bat Diversity: Have Cave-Rich Areas Been Centers of Cave-Bat Speciation? \$9,585, June 1, 2004-May 31, 2006.
National Science Foundation, Support for Meeting and Workshop on Emergency Preparedness, Response, and Salvage in Natural History Collections to be held in May, 2004, \$9,912, April 1, 2004-March 31, 2006.

RECENT ARTICLES IN REFEREED JOURNALS

Giannini, N. P. and N. B. Simmons. (In press). Conflict and congruence in a combined DNA-morphology analysis of megachiropteran bat relationships (Mammalia: Chiroptera: Pteropodidae). *Cladistics*.
Giannini, N.P., and N.B. Simmons. 2007. Element homology and the evolution of dental formulae in megachiropteran bats (Mammalia: Chiroptera: Pteropodidae). *American Museum Novitates* 3559: 1-27.

- Giannini, N.P., J. R. Wible, and N.B. Simmons. 2006. On the cranial osteology of Chiroptera. I. *Pteropus* (Megachiroptera: Pteropodidae). *Bulletin of the American Museum of Natural History* 295:1-134.
- Giannini, N.P., and N.B. Simmons. 2006. Element homology and the evolution of dental formulae in megachiropteran bats (Mammalia: Chiroptera: Pteropodidae). *American Museum Novitates* 3516: 1-65.
- Schutt, W.A., and N. B. Simmons. 2006. Quadrupedal bats: form, function and phylogeny. In A. Zubaid, G. McCracken, and T. Kunz (editors), *Functional and evolutionary ecology of bats*: 15-159. New York: Oxford University Press.
- Gunnell, G.F., and N.B. Simmons. 2005. Fossil evidence and the origin of bats. *Journal of Mammalian Evolution* 12(1/2): 209-246.
- Simmons, N.B. 2005. Order Chiroptera, pp. 312-529, Volume 1. In D.E. Wilson and D.M. Reeder (editors), *Mammal species of the world*, 3rd Edition. Baltimore, MD: The Johns Hopkins University Press.
- Simmons, N. B. 2005. An Eocene big bang for bats. *Science* 307: 527-528.
- Lim, B. K., M. D. Engstrom, N. B. Simmons, and J. M. Dunlop. 2004. Phylogenetics and biogeography of least sac-winged bats (*Balantiopteryx*) based on morphological and molecular data. *Mammalian Biology*, 69: 225-237.
- Giannini, N. P. and N. B. Simmons. 2003. A phylogeny of megachiropteran bats (Mammalia: Chiroptera: Pteropodidae) based on direct optimization analysis of one nuclear and four mitochondrial genes. *Cladistics* 19: 496-511.
- Simmons, N. B. and J. H. Geisler. 2002. Sensitivity analysis of different methods of coding taxonomic polymorphism: an example from higher-level bat phylogeny. *Cladistics*, 18: 571-584.
- Fleck, D. W., R. S. Voss, and N. B. Simmons. 2002. Underdifferentiated taxa and sublexical categorization: an example from Matses classification of bats. *Journal of Ethnobiology* 22(1): 61-102.
- Simmons, N. S., R. S. Voss, and D. W. Fleck. 2002. A new Amazonian species of *Micronycteris* (Chiroptera: Phyllostomidae) with notes on the roosting behavior of sympatric congeners. *American Museum Novitates*, 3358: 1-14.
- Van Den Bussche, R. A., S. R. Hooper, and N. B. Simmons. 2002. Phylogenetic relationships of mormoopid bats using mitochondrial gene sequences and morphology. *Journal of Mammalogy*, 83: 40-48.
- Jones, K. E., A. Purvis, A. MacLarnon, O. R. P. Bininda-Emonds, and N. B. Simmons. 2002. A phylogenetic supertree of the bats (Mammalia: Chiroptera). *Biological Reviews* 77: 223-259.
- Schutt, W. A., and N. B. Simmons. 2001. Morphological specializations of *Cheiromeles* (Naked Bulldog Bats; Molossidae) and their possible role in quadrupedal locomotion. *Acta Chiropterologica*, 3: 225-236.
- Simmons, N. B. 2001. Misleading results from the use of ambiguity coding to score polymorphisms in higher-level taxa. *Systematic Biology* 50: 613-620.
- Voss, R. S., D. P. Lunde, and N. B. Simmons. 2001. The mammals of Paracou, French Guiana: a Neotropical lowland rainforest fauna. Part 2. Nonvolant mammals and summary. *Bulletin of the American Museum of Natural History*, 263: 1-236.

Simmons, N. B., and T. Conway. 2001. Phylogeny of mormoopid bats (Chiroptera: Mormoopidae) based on morphological data. *Bulletin of the American Museum of Natural History* 258: 1-97.

SPECIAL RECOGNITION/AWARDS

American Museum of Natural History Kalbfleisch/Hoffman Postdoctoral Research Fellowship, 1989 -1991

Outstanding Graduate Student Instructor Award, University of California, 1989

Romer Prize, Society of Vertebrate Paleontology (for best student paper presented at annual meetings), 1988

Stirton Award, Department of Paleontology, University of California, Berkeley (for excellence in teaching and research), 1988

Honorable Mention, Romer Prize, Society of Vertebrate Paleontology (for best student paper presented at annual meetings), 1986

National Science Foundation Graduate Fellowship, 1983 -1986

University of California Graduate Fellowship, 1982 -1983

Phi Beta Kappa, Pomona College, 1981