

Other Teaching Activities at Edgewood College:

- Mentor for independent undergraduate research (2005-present)
- Faculty advisor to the Student Parent Network student organization (2006-present)
- Faculty advisor to the Wood's Edge student organization (2005-present)

Research Interests:

Animal communication, sexual selection, behavioral endocrinology, cognitive ecology.

Research Papers and Book Chapters:

- Kime, N.M, T.K. Whitney, E.S. Davis, and C.A. Marler (2007) Arginine vasotocin promotes calling behavior and call changes in male túngara frogs. *Brain, Behavior, and Evolution* 69:254-265.
- Kime, N.M., S. Burmeister and M.J. Ryan (2004) Female mating preferences for socially variable call characters in the cricket frog (*Acris crepitans*). *Animal Behaviour* 68:1391-1399.
- Ryan, M.J. and N.M. Kime (2003) Selection on long distance acoustic signals. In: *Acoustic Communication. Springer Handbook of Auditory Research* (edited by A. Simmons, R.R. Fay and A.N. Popper), Springer, New York, pp. 225-274.
- Kime, N.M., M.J. Ryan and W. Turner (2000) The transmission of advertisement calls in Central American frogs. *Behavioral Ecology* 11:71-83.
- Ryan, M.J., N.M. Kime and G.G. Rosenthal (1998) Patterns of evolution in human speech processing and animal communication. *Behavioral and Brain Sciences* 21:282-283.
- Kime, N.M., A.S. Rand, M. Kapfer and M.J. Ryan (1998) Consistency of female choice in the túngara frog: a permissive preference for complex characters. *Animal Behaviour* 55:641-649.
- Behan, M. and N.M. Kime (1996) Intrinsic circuitry in deep layers of the cat superior colliculus. *Visual Neuroscience* 13:1031-1042.
- Behan, M. and N.M. Kime (1996) Spatial distribution of tectotectal connections in the cat. In: *Progress in Brain Research* (edited by M. Norita, T. Bando and B.E. Stein), Elsevier, New York 112:131-142.
- Behan, M., P.P. Appell and N. Kime (1993) Postnatal development of substance-P immunoreactivity in the rat superior colliculus. *Visual Neuroscience* 10:1121-1127.

Abstracts:

- Behan, M. and N.M. Kime (1995) Tectotectal connectivity in the mammalian superior colliculus. Fourth IBRO World Congress of Neuroscience, Kyoto, Japan. Abstracts, p. 336.
- Behan, M. and N.M. Kime (1995) The role of the collicular commissure in coordinating eye movements. Satellite Symposium for the Fourth IBRO World Congress of Neuroscience, Mukamachi, Japan. Abstracts, p. 12.
- Behan, M., N. Kime, P.P. Appell and M. Fulgione (1993) Development of substance-P immunoreactivity in the rat superior colliculus. *Society for Neuroscience Abstracts* 19:453.

Invited Talks:

- 2003. University of Wisconsin-Madison Behavior Interdisciplinary Affiliation (BIDA) Seminar.
- 2002. George Washington University Biology Department Seminar, Washington, D.C.
- 2002 Smithsonian National Zoological Park Research Seminar Series, Washington, D.C.
- 2002 University of Maryland Department of Psychology Seminar, College Park, MD.
- 1999) International Bioacoustics Workshop, St. Andrews, Scotland.

Professional Activities:

- Peer-reviewer for Behaviour, Canadian Journal of Zoology, Trends in Ecology and Evolution, and the Journal of the Linnean Society.
- Textbook Reviewer for Freeman and Herron's Evolution (2005)
- Member of the Animal Behavior Society (2005-2006)

Honors, Awards, and Grants:

- NRSA (NIH) Post-doctoral Fellowship, University of Maryland (2003)
- NRSA (NIH) Institutional Training Fellowship, University of Maryland (2002-03)
- Hartman Fellowship, University of Texas at Austin (2001)
- Zoology Endowment for Excellence Scholarship, UT-Austin (1998, 1999, 2001)
- NRSA (NIH) Institutional Training Fellowship, UT-Austin (1998-2000)
- Bruton Fellowship, UT-Austin (1998)