

Kimberly A. Rosvall

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**Research Interests:**

- Behavioral ecology, mechanisms of behavior, sexual selection, aggressive behavior, life history trade-offs.

Current Position:

- Postdoctoral Fellow, Indiana University's NIH-funded training grant: "Common Themes in Reproductive Diversity." Mentors: Jim Goodson, Ellen Ketterson, Dale Sengelaub.

Education:

- Duke University, Biology, Ph.D. 2002-2009. "Costs and benefits of intrasexual aggression in females: an experimental approach." Advisor: Dr. Stephen Nowicki.
- University of California, Los Angeles (UCLA), 1997-2001, B.S. Major: Biology, Minor: French, *summa cum laude*.

Research Experience:

- Research Assistant, Duke University, 2002 – 2009
- Independent side project on perception of behavioral syndromes in fighting fish, Duke University, 2007-8.
- Field Assistant, behavioral study of swamp sparrow population, Duke University, 2003
- Research Assistant, morphological study of herpetological specimens, Natural History Museum of Los Angeles County (Dr. D Kizirian), 2000, 2001
- Field Assistant, Earthwatch Institutes (Drs. O Carranza, WE Miller), Mexico, 2000

Publications:

- Rosvall, KA. 2008. Sexual selection on aggressiveness in females: evidence from an experimental test with tree swallows. *Animal Behaviour*, 75: 1603-1610
- Rosvall, KA. (in press) Do males offset the cost of female aggression? An experimental test in a biparental songbird. *Behavioral Ecology*.
- Rosvall, KA. Fitness costs of female aggression: a cross-fostering study using tree swallows. *In review*.
- Rosvall, KA. Why should females be aggressive? *In prep*.

Research Grants:

- National Science Foundation (NSF), Doctoral Dissertation Improvement Grant, 2007-2009. (IBN-0710118)
- Duke University Graduate School, Conference Travel Award, 2005-2008.
- Graduate Women in Science, Eloise Gerry Fellowship, 2006.
- International Society for Behavioral Ecology, Conference Travel Award, 2006.
- American Ornithologists' Union, Research Award, 2006.
- McKinley Research Award, Pymatuning Lab of Ecology, Univ. of Pittsburgh, 2004-2006.
- Sigma Xi, Grant-in-Aid of Research, 2004.
- Duke University, Department of Biology Grant-in-Aid of Research, 2003.

Fellowships:

- Duke University, Biology Department competitive one-semester fellowship, 2008
- National Science Foundation (NSF), Graduate Research Fellowship, 2003 – 2005, 2007
- James B. Duke Fellowship (Duke University), 2002-3, with auxiliary support through 2005.

Teaching and Mentoring:

- Teaching Assistant, “Biology of Dinosaurs,” Duke University. Professor: G Wray. Fall 2008.
- Mentored Duke University undergraduate, Karen Owen, in research project on the signaling content of iridescent plumage in female tree swallows. Spring 2008.
- Pedagogic training: completed Duke University course in “Introduction to College Teaching.” Spring 2008.
- Teaching Assistant, “Evolution of Animal Behavior,” Duke University. Professor: Manuel Leal in Fall 2007. Professor: Susan Alberts in Fall 2005.
- Mentored Cedar Crest College undergraduate, Corinne Campbell, in the techniques of avian field biology and behavioral ecology. Spring – Summer 2007
- Tutor, undergraduate small group tutoring in “Evolution, Ecology, and Biodiversity,” UCLA, Fall 1999 – Summer 2001

Presentations at Scientific Meetings:

- Rosvall, KA. 2008. Trade-off between female aggression and offspring care: can your mate pick up the slack? Poster presented at International Society for Behavioral Ecology (ISBE).
- Rosvall, KA. 2007. Fat, flying fighters: evidence for condition-dependence of aggressive behavior in female tree swallows. Talk presented at Animal Behaviour Society (ABS).
- Rosvall, KA. 2006. Benefits of aggressive behavior in females: an experimental test in tree swallows. Talk presented at Animal Behaviour Society (ABS).
- Rosvall, KA. 2006. Benefits of aggressive behavior in females: an experimental test in tree swallows. Poster presented at International Society for Behavioral Ecology (ISBE).
- Rosvall, KA. 2005. Female aggression and offspring growth: a novel maternal effect? Poster presented at Animal Behaviour Society (ABS).

Professional Affiliations:

- Animal Behaviour Society
- American Ornithologists Union
- Graduate Women in Science
- Society of Duke Fellows
- Phi Beta Kappa National Honor Society

Professional Service:

- Reviewer for *Animal Behaviour*, *Behavioral Ecology*.

Synergistic Activities:

- Departmental service: I founded a more extensive recruitment program for Duke graduate students in Biology, and acted as Biology Recruiting Czar from 2002-2004.
- Student leadership: I acted as co-chair of the Duke Biology Ph.D. students (2005-2006). We served as liaisons between graduate students and administrators within the department and university. Our goals included addressing the concerns of the Biology students, and fostering social and academic relationships among students and faculty.

- Public outreach & science education: I have taken part in two panels of graduate students mentoring undergraduates about graduate education, first for the State of North Carolina Undergraduate Research Symposium (2005) and second for the Howard Hughes Research Program at Duke University (2006).
- Conservation: I have worked with the Pennsylvania State Game Commission to improve predator protection measures for cavity nesting birds at my field site in PA.