

Ryan J. Harrigan

Curriculum Vitae
26 March 2007

Personal Information:

Title: Doctor of Philosophy
Address: Department of Biology
Boston University
5 Cummington Street
Boston, MA 02215
Phone: (203) 804-9505
E-mail: iluvsa@mac.com
Citizenship: U.S.

Education:

Boston University, Ph.D. in Biology, 2006

Title: Phylogeography of the Mallard Complex (genus: *Anas*):
Hybridization, Incomplete Lineage Sorting, and Speciation
Committee Members: Michael Sorenson (First Reader)
Christopher Schneider (Second Reader)
Fred Wasserman (Chairman)
Les Kaufman
Tom Kunz

Boston University, Dual B.A. in Biology and Archaeological Studies, 1994-1998.

Graduated Summa Cum Laude.
Distinction Thesis: The Limits of Convergence: The Extent to Which Functional
Morphology is Determined by Environmental Variability in the
Cichlidae of East Africa
Supervising professor: Dr. Les Kaufman

Positions:

2001-2005: Delta Waterfowl Research Student
2004-2005: NSF-STAMP Fellow
1998-2006: Boston University Department of Biology Graduate Student
1998-2001: Boston University Teaching Fellow for upper-level undergraduate classes

Honors and Awards:

- 2005: Finalist for Ernst Mayr Award; Evolution Meeting, Fairbanks Alaska.
- 2002: Presentation of the Year, Delta Waterfowl Student Seminars, Delta Waterfowl.
- 2001-2002: Teaching Fellow of the Year, Department of Biology, Boston University.
- 1998: Inducted into the Golden Key Honor Society.
- 1998: Recipient of the Boston University Book Award in Biology for highest academic achievement.
- 1998: Recipient of the Department of Archaeological Studies Academic Achievement Award, given to the B.A. candidate with the highest G.P.A. and outstanding undergraduate performance.
- 1994-1998: Enrolled on Boston University's Dean's List for all possible undergraduate semesters.
- 1994: University Scholarship, Boston University.
- 1994: Women in Science and Engineering Academic Achievement Scholarship.

Publications:

2006. **Harrigan, R. J.**, Maaza, M., and M. D. Sorenson. Computation beats cloning: Evaluation of methods for haplotype determination. *In prep.*
2006. **Harrigan, R. J.**, Kulikova, I. V., McCracken, K., Peters, J., and M. D. Sorenson. Global Phylogeography, speciation, and New World origins within the Mallard Complex (genus: *Anas*). *In prep.*
2006. **Harrigan, R. J.**, and M. D. Sorenson. A test of asymmetrical hybridization and introgression between the Mallard (*Anas platyrhynchos*) and American Black Ducks (*Anas rubripes*). *In prep.*
2006. **Harrigan, R. J.**, Benedict, J., and M. D. Sorenson. Hybridization of Mallards (*Anas platyrhynchos*) and Mottled Ducks (*Anas fulvigula*) in Florida. *In prep.*
2005. Kulikova, I. V., Drovetski, S. V., Gibson, D. D., **Harrigan, R. J.**, Rohwer, S., Sorenson, M. D., Winker, K. Zhuravlev, Y. N., and Kevin McCracken. Phylogeography of the Mallard (*Anas platyrhynchos*): Hybridization, dispersal, and lineage sorting contribute to complex geographic structure. *The Auk*, 122, 949-965.
2004. "For Supper or Soul; The Mollusca of K'axob". Chapter 13 in K'axob: Ritual, Work, and Family in an Ancient Maya Village. Edited by Patrica A. McAnany. Cotsen Institute of Archaeology at UCLA, Los Angeles.

Teaching Experience:

Boston University:

- 1998 Laboratory Teaching Fellow, Evolutionary Ecology
- 1999 Course Discussion Teaching Fellow, Marine Biology
- 1999 Laboratory Teaching Fellow, Animal Behavior
- 2000 Laboratory Teaching Fellow, Environmental Ecology
- 2000 Laboratory Teaching Fellow, Animal Behavior
- 2001 Laboratory Teaching Fellow, Vertebrate Zoology
- 2002 Laboratory Teaching Fellow, Animal Behavior
- 2003 Laboratory Teaching Fellow, Animal Behavior
- 2004 NSF-STAMP Fellow, Quincy High School, grades 10-12

Presentations at Scientific Meetings:

- 2005. Harrigan, R., and M. Sorenson. "Examining Causes of Paraphyly in the Mallard Complex." 2005 Evolution Meeting (6-11 June), Fairbanks, Alaska.
- 2003. Harrigan, R., and M. Sorenson. "Asymmetrical hybridization in Black Ducks (*Anas rubripes*) and Mallards (*Anas platyrhynchos*)." Delta Waterfowl Student Seminars (11 - 15 July) Minnedossa, Manitoba.
- 2002. Harrigan, R., and M. Sorenson. "Asymmetrical hybridization in Black Ducks (*Anas rubripes*) and Mallards (*Anas platyrhynchos*)." Third North American Ornithological Conference (24 - 28 September) New Orleans, Louisiana.
- 2002. Harrigan, R. and M. Sorenson. "Population Genetics, Phylogeography, and Systematics of the Mallard (*Anas platyrhynchos*) and American Black Duck (*Anas rubripes*)." Delta Waterfowl Student Seminars (9 - 13 July) Minnedossa, Manitoba.
- 2000. Harrigan, R., Guillot, D., Hersek, M., and F. Wasserman. "Cowbird Parasitism of Ovenbirds in Suburban Forest Fragments." Boston University Graduate Student Scientific Meeting.

Scientific Associations:

- 2005-present. Society of Systematic Biologists
- 2000-present. Sigma Xi (full member)