

Lisa N. Barrow  
Department of Biological Science  
Florida State University  
Tallahassee, FL 32306-4370  
barrow@bio.fsu.edu

## EDUCATION

Florida State University (FSU), Tallahassee, FL, 2009–present  
Ph.D. student in Biological Science (Ecology and Evolution)

University of Florida (UF), Gainesville, FL, 2005–2009  
B.S. in Zoology, *Summa cum laude*  
*Senior Thesis:* Molecular systematics of the southeastern pocket gopher  
(*Geomys pinetis*) from modern and historical DNA  
Minor in Wildlife Ecology and Conservation

## ADDITIONAL TRAINING

Summer Institute in Statistical Genetics, 2011, University of Washington-Seattle  
English Grammar for Scientific Writers Workshop, 2010, FSU  
UNIX/Python for Biologists unofficial seminar, 2010, FSU  
COMPASS Communications Media Training Workshop, 2010, FSU  
International *Physalaemus petersi* Conference, 2009, Colorado State Univ., Fort Collins, CO  
Teaching Workshop, 2009, Department of Biological Science, FSU

## RESEARCH EXPERIENCE

*Research Assistant*, Summer 2011, FSU

Assisted with the development of multiple nuclear loci for phylogenetics in *Pseudacris*. Assisted with the analysis of Illumina sequence data to develop microsatellite loci for *P. streckeri/illinoensis*.

*Graduate Work*, August 2009–present, FSU

Conducted laboratory experiments to study the effects of pH on reproduction and hybridization of chorus frogs. Collected, dissected, and preserved specimens and tissues. Performed in vitro crosses and reared frogs to early life stages.

*Field Assistant*, May–July 2009, Iquitos, Peru

Assisted with projects studying bird communities in the Amazon rainforest along a habitat gradient. Duties included mist-netting, identifying and banding birds, collecting samples (blood, pollen, ectoparasites, feces), and entering data. Worked cooperatively with Peruvian university students and other field assistants.

*Senior Honors Thesis Research*, August 2007–May 2009, UF

Studied the phylogeography of the southeastern pocket gopher using modern and historical DNA. Collected and prepared museum specimens, extracted DNA from liver and skin tissue, and used PCR to amplify mitochondrial DNA. Conducted phylogenetic analyses using software including PAUP\* and MrBayes.

*Research Experience for Undergraduates*, May–August 2007, Rocky Mountain Biological Laboratory, Gothic, CO

Studied the abilities of yellow-bellied marmots to discriminate among predators using olfactory cues. Set up experiments and conducted focal observations in the field. Assisted with on-going behavioral observations and trapping efforts.

*Field and Lab Assistant*, January 2006–May 2009, UF

Collected mitochondrial sequence data from human head lice. Assisted with bacterial cloning reactions to study louse endosymbionts. Assisted with population genetics study of Red Colobus monkeys by collecting microsatellite data from fecal samples. Assisted with small mammal trapping and collecting bats.

## TEACHING EXPERIENCE

*Instructor*, Saturdays-at-the-Sea, Spring 2011, FSU

*Teaching Assistant*, Animal Diversity (BSC2011L), Summer 2010, FSU

## GRANTS, AWARDS, AND SCHOLARSHIPS

2011	Rosemary Grant Award, Society for the Study of Evolution (\$2,500)
2011	Travel Scholarship, University of Washington-Seattle, Summer Institute of Statistical Genetics (\$1,800)
2010	Robert B. Short Scholarship in Zoology, FSU, Department of Biological Science (\$2,000)
2010	Conference Presentation Grant, FSU, Congress of Graduate Studies (\$100)
2010	Presentation Travel Grant, FSU, Department of Biological Science (\$800)
2010	Conference Presentation Grant, FSU, Congress of Graduate Studies (\$300)
2010	National Science Foundation Graduate Research Fellowship (\$122,500)
2010–2011	University Fellowship, FSU, The Graduate School (\$19,000)
2009–2010	College Teaching Fellowship, FSU, Department of Biological Science (approx. \$12,360)
2009–2010	Graduate Tuition Scholarship, FSU (\$1,000)
2007–2008	University Scholars Program, UF (\$3,000)
2007	National Science Foundation Research Experience for Undergraduates, Rocky Mountain Biological Laboratory (\$4,000)
2005–2009	National Merit Scholarship, UF/NMSC (\$24,000)

- 2005–2009 Robert C. Byrd Honors Scholarship, U.S. Department of Education (\$6,000)
- 2005–2009 Florida Academic Scholars Award, Florida Department of Education (approx. \$16,000)
- 2005–2009 Dean’s List, College of Arts and Sciences, UF
- 2005–2006 President’s Honor Roll, UF

## PUBLICATIONS

- Soto-Centeno, J. A., L. N. Barrow, D. L. Reed, and J. M. Allen. In preparation. Molecular data and species distribution modeling support allopatric population differentiation in the southeastern pocket gopher (*Geomys pinetis*, Rodentia: Geomyidae).
- Blumstein, D. T., L. Barrow, and M. Luterra. 2008. Olfactory predator discrimination in yellow-bellied marmots. *Ethology* 114:1135-1143.
- Light, J. E., J. M. Allen, L. M. Long, T. E. Carter, L. Barrow, G. Suren, D. Raoult, and D. L. Reed. 2008. Geographic distributions and origins of human head lice (*Pediculus humanus capitis*) based on mitochondrial DNA. *Journal of Parasitology* 94:1275-1281.

## PRESENTATIONS

- Barrow, L. N., A. R. Lemmon, and E. Moriarty Lemmon. 2010. The effect of pH on the reproductive success and hybridization of chorus frogs in northern Florida. *Pseudacris* Conference, Port St. Joe, FL (oral presentation).
- Barrow, L. N., A. R. Lemmon, and E. Moriarty Lemmon. 2010. The effect of pH on reproductive success and hybridization of chorus frogs (*Pseudacris feriarum* and *P. nigrita*) in northern Florida. Evolution meetings, Portland, OR; and Southeastern Population Ecology and Evolutionary Genetics meetings; Madison, FL (poster presentation).
- Barrow, L. N., J. A. Soto-Centeno, J. M. Allen, and D. L. Reed. 2009. Using historical museum specimens to reconstruct the evolutionary history of the southeastern pocket gopher (Geomyidae). International Mammalogical Congress, Mendoza, Argentina (poster presentation).
- Barrow, L. N., and D. L. Reed. 2009. Museum specimens answer old questions in new ways: historical DNA analysis of the southeastern pocket gopher. University of Florida and Morehouse College HHMI Celebration of Undergraduate Creativity in the Arts and Sciences, Gainesville, FL (poster presentation).
- Barrow, L. and D. L. Reed. 2008. Molecular systematics of the southeastern pocket gopher (*Geomys pinetis*). Undergraduate Research Symposium, Department of Zoology, University of Florida, Gainesville, FL (poster presentation).
- Barrow, L. 2007. Olfactory predator discrimination abilities in yellow-bellied marmots (*Marmota flaviventris*). Rocky Mountain Biological Laboratory Undergraduate Research Symposium, Gothic, CO (oral presentation).

## COMMUNITY SERVICE AND OUTREACH

Volunteer, 2010, Central Florida Turtle Research Group, Orlando, FL  
Career Day Guest Speaker, 2010, Rickards High School, Tallahassee, FL  
Capitol Regional Science and Engineering Fair Judge, 2010–2011, Tallahassee, FL  
Bike and Build (affordable housing non-profit organization) Rider, 2008, 2010–2011  
Habitat for Humanity Volunteer, UF Student Chapter, 2006-2009, Gainesville, FL

## PROFESSIONAL MEMBERSHIP

Society for the Study of Amphibians and Reptiles Student Member  
Society for the Study of Evolution Student Member  
Graduate Fellows Society Member, FSU