

Nathan D. Jackson

Geomatics and Landscape Ecology Laboratory
Department of Biology
Carleton University
1125 Colonel By Drive
Ottawa, Ontario, Canada K1S 5B6
phone: 613-618-2684 · fax: 613-520-3539
nathanjackson@glel.carleton.ca

Academic Positions

Postdoctoral Fellow, Carleton University, Ottawa, Ontario (present position)
Advisor: Lenore Fahrig

Education

PhD, in Biological Sciences, Louisiana State University, Baton Rouge, LA (2011)
Advisor: Christopher C. Austin

MS, in Integrative Biology, Brigham Young University, Provo, UT (2005)
Advisor: Keith A. Crandall

BS, in Zoology and Philosophy, Brigham Young University, Provo, UT (2001)

Peer-Reviewed Publications

Jackson, NJ, and CC Austin. 2012. Inferring the evolutionary history of divergence despite gene flow in a lizard species, *Scincella lateralis* (Scincidae), composed of cryptic lineages. *Biological Journal of the Linnean Society* (*in press*)

Jackson, NJ, and L Fahrig. 2011. Relative effects of road mortality and decreased connectivity on population genetic diversity. *Biological Conservation* 144:3143-3148

Austin, CC, EN Rittmeyer, LA Oliver, JO Anderman, GR Zug, and **ND Jackson**. 2011. The bioinvasion of Guam: inferring geographic origin, pace, pattern and process of an invasive lizard in the Pacific using multi-locus genomic data. *Biological Invasions* 13(9):1951-1967

Jackson, NJ, C Hagen, TC Glenn, and CC Austin. 2011. Microsatellites isolated from the North American ground skink (*Scincella lateralis*). *Conservation Genetics Resources* 3(1):95

Jackson, NJ and CC Austin. 2010. The combined effects of rivers and refugia generate extreme cryptic fragmentation within the common ground skink (*Scincella lateralis*) *Evolution* 64(2): 409-428

Invited Presentations

Evolutionary history of isolation and dispersal in North American ground skinks, Departmental Seminar, Carleton University, Ottawa, Ontario, Canada (2011)

Phylogeographic history, morphological parallelism, and speciation in a complex of Appalachian Salamanders (genus *Desmognathus*). LSU Museum of Natural Sciences Seminar Series, Baton Rouge, LA (2004)

Contributed Presentations

Inferring hierarchical population genetic structure within a lizard species comprised of cryptic, incompletely-sorted lineages (Genus *Scincella*), *Evolution*, Portland, OR (2010)

The role of rivers and refugia in generating extreme cryptic fragmentation in the common ground skink (*Scincella lateralis*), *Evolution*, Moscow, ID (2009)

Cryptic divergence in the common North American ground skink. *Evolution*, Minneapolis, MN (2008)

Exploring the spatial and temporal effects of landscape and history on the genetic structuring of the common ground skink. *Louisiana Herpetological Research Group Meeting*, LUMCON, Chauvin, LA (2006)

Phylogeographic history and parallel evolution in a complex of Appalachian salamanders. *Evolution*, Fairbanks, AK (2005)

Phylogeographic variation, speciation, and body size evolution in an Appalachian Salamander (Genus: *Desmognathus*). *Evolution*, Fort Collins, CO (2004)

Phylogeography and body size evolution of an Appalachian salamander complex (*Desmognathus*). *Second Non-annual Intermountain Herp Rendezvous*, Utah State University, Logan, UT (2003)

Phylogeographic variation, speciation, and conservation of a *Desmognathus* species complex. *Evolution*, Chico, CA (2003)

Grants and Awards

McDaniel Travel Award, Department of Biological Sciences, LSU (2009)

Graduate School Travel Award, Department of Biological Sciences, LSU (2008)

Research & Travel Awards (5 awards), LSU Biograds (2006-2010)

Research Award, LSU Museum of Natural Science (2005)

Sigma Xi Grants-in-Aid of Research Award (2005)

Clarence C. Cottam Scholarship Award for scientific and academic achievement in Conservation Biology (2003)

Professional Experience

Guest Lecturer—Conservation Biology, BIOL 3602, Carleton University (2012)

Undergraduate Mentoring, Lauren Oliver and John Andermann, LSU (2009-2010)

Research Assistant—Museum of Natural Science, LSU (2008-2010)

Teaching Assistant—Herpetology Lab, BIOL 4146, LSU (2008)

Guest Lecturer—Herpetology, BIOL 4146, LSU (2008)

Curatorial Assistant—Museum of Natural Science, LSU (2004-2007)

Teaching Assistant—Evolutionary Biology, BIOL 420 BYU (2003)

Teaching Assistant—Introductory Biology, BIOL 100, BYU (2002-2003)

Research Field Assistant—Utah State University, Supervisor: Mark Ritchie (2001)
Research Lab Assistant—BYU, Supervisor: Mark Belk (2001)
Teaching Assistant—Introductory Biology, BIOL 130, BYU (2000-2001)

Service

-Reviewer for *Molecular Ecology*, *Conservation Genetics*, *Landscape Ecology*, *Herpetologica*, *Evolutionary Ecology*, and *Journal of Wildlife Management*

-Guest presenter at an enrichment mini-course at Carleton University where junior high-age kids are introduced to animal ecology (2011)

-Guest presenter at Special Saturday, a monthly seminar for ages 5-12 hosted at the LSU Museum of Natural Science (2009)

-Guest presenter to girl scouts about southeastern biology at the annual Fall Festival held at Camp Whispering Pines, Louisiana (2009)

-Guest lecturer at the Baton Rouge Zoo's Continuing Education Program's monthly lecture series (2008)

-Participator in the running of BIOS, a week-long orientation program for new freshman biology majors, LSU (2007)

-Guest presenter of my dissertation research to an undergraduate Evolution class, LSU (2007)

-Judge at the Louisiana Science and Engineering Fair (Both Regional and State) for four years (2006-2009)

-Co-chair at the fund-raising committee for Biograds, the graduate student organization in the Department of Biological Sciences at LSU (2006-2007)

References

Dr. Lenore Fahrig (postdoc advisor)
Director, Geomatics and Landscape Ecology Laboratory
Professor, Department of Biology
Carleton University
1125 Colonel By Drive
Ottawa, Canada K1S 5B6
phone: 613-520-2600 ext. 3856
email: lenore_fahrig@carleton.ca

Dr. Christopher C. Austin (PhD advisor)
Curator of Amphibians & Reptiles, Museum of Natural Science
Associate Professor, Department of Biological Sciences
Louisiana State University
119 Foster Hall
Baton Rouge, LA 70803
phone: 225-578-2841
email: ccaustin@lsu.edu

Dr. Bryan C. Carstens (PhD committee member)
Assistant Professor, Department of Biological Sciences
Louisiana State University
202 Life Sciences Building
Baton Rouge, LA 70803
phone (cell): 734-474-8527
phone (office): 225-578-0960
email: carstens@lsu.edu