

SHEENA FEIST

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PROFESSIONAL POSITIONS

2013—current *Conservation Resources Biologist*—Genetics, Mississippi Department of Wildlife, Fisheries, and Parks, Museum of Natural Science, Jackson, Mississippi

EDUCATION

- 2013 M.A. University of Missouri, Division of Biological Sciences, Ecology, Evolution and Behavior
Columbia, Missouri (Advisor: Dr. Lori Eggert)
- 2011 B.A. University of Missouri, Division of Biological Sciences (with Research Honors)
Minor in Anthropology, Certificate of Environmental Studies
Columbia, Missouri
- 2006 A.A. Longview Community College (with Honors)
Kansas City, Missouri

SCHOLARSHIPS OF NOTE

2010 – 2011 National Science Foundation (NSF) Undergraduate Mentoring in Environmental Biology (UMEB)
University of Missouri (Advisor: Dr. Lori Eggert; Mentor: William E. Peterman, PhD candidate)

PEER-REVIEWED PUBLICATIONS

- Feist, S.M., T. M. Mann, D. L. Mann. *In prep.* Evidence for gene flow, despite habitat fragmentation, in a localized population of Webster's salamander (*Plethodon websteri*).
- Feist, S.M., T. M. Mann, D. L. Mann. *In prep.* Rangewide analysis of genetic structure reveals divergent lineages in the Webster's salamander, *Plethodon websteri*.
- Feist, S.M., J.T. Briggler, J. B. Koppelman, L.S. Eggert. 2014. Within-river gene flow in the hellbender (*Cryptobranchus alleganiensis*) and implications for restorative release. *Conservation Genetics*, 15: 953—966.
- Peterman, W.E., **S.M. Feist**, R. D. Semlitsch, L. S. Eggert. 2013. Conservation and management of peripheral populations: Spatial and temporal influences on the genetic structure of wood frog (*Rana sylvatica*) populations. *Biological Conservation*, 158: 351—358.

TECHNICAL REPORTS

Feist, S.M., T. M. Mann, D.L. Mann. 2015. Primer Note: Development and characterization of 12 microsatellite loci for Webster's salamander, *Plethodon websteri*. MMNS Technical Report No. 191, Mississippi Department of Wildlife, Fisheries, and Parks, Museum of Natural Science, Jackson, MS.

CONTRIBUTING AUTHOR

Mississippi Museum of Natural Science. 2015. Mississippi State Wildlife Action Plan. *Stresses, Threats, and Conservation Actions for Mississippi's Species of Greatest Conservation Need and Their Habitats*. Mississippi Department of Wildlife, Fisheries, and Parks, Museum of Natural Science, Jackson, MS.

POPULAR PRESS PUBLICATIONS

- Feist, S.M. 2015. Meet the Hellbender, a Unique and Threatened Salamander Native to Mississippi. *Mississippi Outdoors*, March/April, 36—39.
- Feist, S.M. 2014. DNA: An Invaluable Tool for Wildlife Conservation. *Mississippi Outdoors*, November/December, 36—39.

MEDIA OUTREACH

- 2016 Invited Guest Speaker. Creature Comforts. Mississippi Public Radio. Topic: Hellbenders.
- 2015 Author. Mississippi Department of Wildlife, Fisheries, and Parks e-Newsletter. November monthly news and highlights: Museum biologists document rare amphibian, the hellbender, in Mississippi.

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- 2015 Invited Guest Speaker. Creature Comforts. Mississippi Public Radio. Topic: Salamanders and habitat fragmentation.
- 2014 Invited Guest Speaker. Creature Comforts. Mississippi Public Radio. Topic: DNA and wildlife conservation.

WEBINAR PRESENTATIONS

- 2015 Mississippi State Wildlife Action Plan Review. https://msues.adobeconnect.com/_a828402417/p4dfghh49it?

INVITED TALKS

- 2015 Mississippi Museum of Natural Science's Noon Lecture Series. Population genetics of Webster's salamanders.

RESEARCH TALKS

- 2013 Dispersal in the hellbender: What can genetics tell us about movement in a "sedentary" species? 6th Biennial Hellbender Symposium, Chattanooga Zoo, Tennessee
- 2013 Cryptic dispersal in the hellbender, and the implications for species management. Missouri Department of Conservation, Columbia, Missouri

POSTER PRESENTATIONS

- 2013 Schuh, A., S. Feist, J. Briggler, J. Koppelman, L. Eggert. Dispersal in hellbenders (*Cryptobranchus alleganiensis*): Is it sex-biased? Life Sciences Week Poster Session, University of Missouri.
- 2012 Feist, S., J. Koppelman, J. Briggler, L. Eggert. Gene flow in the endangered Ozark hellbender (*Cryptobranchus alleganiensis bishopi*). North American Congress for Conservation Biology, Oakland, California
- 2011 Feist, S., W. Peterman, R. Semlitsch, and L. Eggert. Conservation areas in isolation and the impact on genetic diversity. Ecological Society of America, Austin, Texas
- 2011 Feist, S., A. Cass, A. Tucker. Out of the arena and into the real world: A new method for investigating loggerhead (*Caretta caretta*) hatchling disorientations. Research Experience for Undergraduates Forum, Mote Marine Laboratory, Sarasota, Florida
- 2010 Feist, S., W. Peterman, R. Semlitsch, and L. Eggert. Dispersal in the wood frog: An analysis using microsatellites. Undergraduate Research and Creative Achievements Forum, University of Missouri

TEACHING EXPERIENCE

- Spring 2013 Teaching Assistant, Lab component: BIO SCI 4983 Molecular Ecology, University of Missouri
- 2010 – 2011 UMEB Science Outreach, Second and Fifth Graders, Columbia Public Schools

UNDERGRADUATES SUPERVISED

- 2014 Jose Polanco, Millsaps College, Population genetics of Webster's salamanders
- 2011–2013 Aaron Schuh, University of Missouri, Population genetics of hellbenders

PROFESSIONAL AFFILIATIONS

- Partners in Amphibian and Reptile Conservation (PARC)
- Society for Conservation Biology
- National Hellbender Outreach and Education Working Group