

Curriculum Vitae

Jennifer Y. Lamb, Ph.D.

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Education and Professional Positions:

- 2010 B.S. in Environmental Biology, minor in Spanish
The University of Southern Mississippi, Hattiesburg, Mississippi, 39406
- 2016 Ph.D. in Biology
The University of Southern Mississippi, Hattiesburg, Mississippi, 39406
- 2016 Postdoctoral Fellow (ongoing)
The University of Southern Mississippi, Hattiesburg, Mississippi, 39406
- 2017 Adjunct Instructor (ongoing)
Pearl River Community College, Forrest County Center. Hattiesburg, Mississippi, 39401

Areas of Research Interests:

Ecology, Herpetology, Genetics, Conservation

Teaching Experience:

- Adjunct Instructor. Pearl River Community College, Forrest County Center. General Biology II (Spring 2017)
- Teaching Assistantship. University of Southern Mississippi (USM). Principles of Biological Sciences II (Fall 2015, Spring 2016)
- Teaching Assistantship. USM. Vertebrate Biology (Fall 2015)
- Teaching Assistantship at the Lake Thoreau Environmental Center (LTEC) (Summer 2015)
- Teaching Assistantship. Coastal Herpetology. Gulf Coast Research Lab, Ocean Springs, MS. (Summer 2014 & 2015)
- NSF GK-12 Fellow. Sumrall High School, Sumrall, MS (Fall 2014, Spring 2015)

Pertinent Coursework (* = undergraduate):

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| Multivariate Applications in Ecology | Environmental Ethics* |
| Plant Ecology | Comparative Animal Physiology* |
| Population and Community Ecology* | Comparative Anatomy* |
| Tropical Ecology* | Evolution* |
| Behavioral Ecology* | Experimental Design and Data Analysis* |
| Aquatic and Marsh Plants | Population Genetics |
| General Botany* | Special Problems: Population Genetics Analysis |
| Vertebrate Biology* | Principles of Biological Systematics |
| Ichthyology | Genetics* |
| Herpetology* | Special Problems: Learning to Lecture |
| Limnology | |

Peer Reviewed Publications:

- Lamb, J. Y. (in press) Sexual isolation between two sympatric *Desmognathus* in the Gulf Coastal Plain. *Copeia*.
- Means, D. B., Lamb, J. Y., and Bernardo, J. (2017) A new species of dusky salamander

- (Amphibia: Plethodontidae: *Desmognathus*) from the Eastern Gulf Coastal Plain and a redescription of *D. auriculatus*. *Zootaxa* 4263(3): 467 – 506.
- Lamb, J. Y.**, Waddle, J. H., and Qualls, C. Q. 2017. Estimating occupancy and detection probabilities for stream-breeding salamanders in the Gulf Coastal Plain. *Journal of Herpetology* 51(1): 102 – 108.
- Lamb, J. Y.**, Kreiser, B. R., and Qualls, C. P. 2015. Characterization of microsatellite loci for the spotted dusky salamander (*Desmognathus conanti*) using paired-end Illumina shotgun sequencing and cross-amplification in another species of *Desmognathus*. *Herpetological Review* 46(3): 343 – 347.
- Lamb, J.Y.**, Ennen, J.R., and Qualls C.P. 2013. Environmental characteristics of nest-sites selected by gopher tortoises (*Gopherus polyphemus*) in southern Mississippi. *Chelonian Conservation and Biology* 12(2): 227 – 234.

Notes and shorter contributions:

- Brown, G, Pellicchia, C.M., Pellicchia, R.L., and **Lamb, J.Y.** 2016. Geographic distribution: Mississippi, USA: *Incilius nebulifer*. *Herpetological Review* 47(4): 623.
- Brown, G and **Lamb, J. Y.** 2016 Geographic distribution: Mississippi, USA: *Amphiuma pholeter*. *Herpetological Review* 47(2): 244.
- Kreiser, B. R., Kreiser, E. Y., and **Lamb, J. Y.** 2016. *Anaxyrus terrestris* (Southern Toad): Forelimb malformation. *Herpetological Review* 47(1): 105 – 106.
- Lamb, J. Y.** and Chatfield, W. H. 2014. Geographic distribution: Mississippi, USA: *Eleutherodactylus planirostris*. *Herpetological Review* 45(3): 458.
- Lamb, J. Y.** 2013. Geographic distribution: Mississippi, USA: *Incilius nebulifer*. *Herpetological Review* 44(4): 621.
- Lamb, J.Y.** and Qualls, C.P. 2013. *Eurycea cirrigera* (Southern Two-lined Salamander): Partial albino larva. *Herpetological Review* 44(3): 490.
- Lamb, J.Y.** and Qualls, C.P. 2013. *Necturus beyeri* (Gulf Coast Waterdog): Leaf litter bag. *Herpetological Review* 44(3): 491.
- Lamb, J.Y.** and Qualls, C.P. 2013. *Eurycea cirrigera* (Southern Two-Lined Salamander): Ingested air bubbles. *Herpetological Review* 44(1):115-116.
- Ennen, J.R., **Lamb, J.Y.**, and Qualls, C.P. 2009. *Gopherus polyphemus* (Gopher Tortoise): Nesting. *Herpetological Review* 40:77-78.

Publications in review

- Lamb, J.Y.**, Kreiser, B.R., Waddle, J.H., and Qualls, C.Q. Characterization of microsatellite loci for the Gulf Coast waterdog (*Necturus beyeri*) using paired-end Illumina shotgun sequencing and cross-amplification in other *Necturus*. *Herpetological Review*.

Invited Seminars:

- USGS Wetland and Aquatic Research Center 3/14/17
Louisiana State University Museum of Natural Science 2/17/17
University of Mississippi 10/21/16
Southeastern Louisiana University 11/19/15
Loyola University New Orleans 12/8/15

Oral Presentations:

- Lamb, J. Y.**, Kreiser, Brian R., and Qualls, C. P. Phylogeography of the Spotted Dusky Salamander (*Desmognathus conanti*) in the Gulf Coastal Plain. Florida Museum of Natural History Annual Herpetology Conference. 3/25/17.
- Lamb, J. Y.**, Kreiser, Brian R., and Qualls, C. P. Phylogeography of dusky salamanders in the

- Gulf Coastal Plain: cryptic diversity and drainage connections. Mississippi Amphibian and Reptile Conservation and Research Meeting. 8/12/16
- Lamb, J. Y.** You are not the father: Sexual isolation and paternity in two species of Gulf Coastal Plains *Desmognathus*. Special Highlands Conference on Plethodontid Salamander Biology. 8/5/16
- Lamb, J. Y.** Salamanders: Habitat modeling, sex, and everything in-between. USM E3 Seminar 9/10/14
- Lamb, J. Y.,** Waddle, H., and Qualls, C. P. Asymmetric interactions among brook salamanders (Genus *Eurycea*, Family Plethodontidae) in the Gulf Coastal Plain. Joint Meeting of Ichthyologists and Herpetologists, Chattanooga Convention Center, Chattanooga, TN. 7/31/14
- Lamb, J. Y.,** Waddle, H., and Qualls, C. P. Asymmetric interactions among brook salamanders (Genus *Eurycea*, Family Plethodontidae) in the Gulf Coastal Plain. USM Biological Sciences Graduate Student Symposium 4/25/14
- Lamb, J. Y.,** Qualls, C. P., and Waddle, H. Stream-breeding plethodontid salamanders in the Gulf Coastal Plain: Occupancy Modeling and Genetics. Ernest A. Liner Louisiana Herpetology Conference. LUMCON. 11/2/13
- Lamb, J. Y.,** Qualls, C. P., and Waddle, H. Stream-breeding plethodontid salamanders in the Gulf Coastal Plain: Are assemblages shaped by environmental gradients? Alabama Partners in Amphibian and Reptile Conservation Meeting. 10/5/13
- Lamb, J.Y.** Occupancy modeling of streamside plethodontid salamanders in southern Mississippi. USM Biological Sciences Graduate Student Symposium 4/19/13
- Lamb, J.Y.** Occupancy and detectability modeling of streamside plethodontid assemblages in southern Mississippi. Southeastern Partners in Amphibian and Reptile Conservation Conference. 2/23/13
- Lamb, J.Y.** Habitat Associations of Plethodontid Salamander Communities in the De Soto national Forest. USM E3 Seminar Series. 3/28/12
- Lamb, J.Y.** Environmental Characteristics of Nest-sites Selected by Gopher Tortoises (*Gopherus polyphemus*). Mississippi Amphibian and Reptile Conservation Meeting. 3/10/10
- Lamb, J.Y.** Nest Site Selection by Gopher Tortoises in South Mississippi. USM Graduate Student Symposium. 3/7/09

Posters:

- Lamb, J.Y.** Occupancy modeling of streamside plethodontid salamanders in southern Mississippi – Preliminary results. Southeastern Partners in Amphibian and Reptile Conservation Conference. 2/21/13
- Mann, T., Mann, D. L., Turner, H., and **Lamb, J. Y.** Use of Silt Fencing Without Traps to Monitor Movements of Webster's Salamander along the Natchez Trace in Central Mississippi. Southeastern Partners in Amphibian and Reptile Conservation Conference. 2/21/13
- Lamb, J.Y.** and McWhorter, M.S. A Preliminary Survey of the Herpetofauna of Lake Thoreau Environmental Center. Mississippi Academy of Sciences Meeting. 02/17/11
- Lamb, J.Y.** The Role of Auditory Information in Foot Rubbing Behaviors in Garnett's Bushbaby. Mississippi Academy of Sciences Meeting. 02/26/09

Grants and Contracts:

- Cooperative agreement with U.S. Geological Survey and USM. 2015 – 2017. \$55,000.
- National Science Foundation GK-12 Fellowship, USM. 2014 – 2015. \$30,000.

National Science Foundation Graduate Research Fellowship. 2011. \$90,000.
Chicago Herpetological Society Grant. 2014. \$1,000.

Professional Workshops/Training:

Occupancy modeling in BUGS/JAGS and unmarked, Patuxent Wildlife Research Center, Laurel, MD. 11/12/13 – 11/14/13
Responsible Conduct of Research Training (RCR) USM (8 hours)

Outreach and Service:

Professional:

USM Women in Science and Engineering Graduate Student Mentor. 2013 – 2015
Panel Member for USM's Center for Undergraduate Research, NSF GRFP Q&A session. 10/7/14
Science Fair Judge for the 2011 Mississippi Region 1 Science and Engineering Fair. 03/24/11
Science Fair Judge for the Woodley Elementary Science Fair, Hattiesburg, MS. 02/03/11
Student Representative the Bio. Sci. Graduate Student Forum. USM. May 2013 to May 2014
North American Amphibian Monitoring Program frog call survey volunteer, 01/09 – 6/10

Guest Speaker:

Longleaf Elementary, Hattiesburg, MS, 10/12/16
USM Discover Camp 2012
Osher Life Long Learning Institute, USM, 11/6/13 and 11/21/14
LTEC's Discover Nature Series, 10/11/14
Harrison County's Soil and Water Conservation Day. 9/25/13
USM Science Café 4/22/13
NSF GK-12 outreach event at LTEC for local High Schools, 11/7/12 and 4/16/13
Purvis High School, Purvis, MS, 11/16/12
Mississippi School of Math and Science Recruitment Day at USM. 11/14/12
NSF GK-12 outreach event at the Forrest County Agricultural High School. 06/06/11
Oak Grove High School, Hattiesburg, MS, 10/28/10
Hattiesburg High School, Hattiesburg, MS, 10/17/10
Gulf Coast Search and Rescue Volunteers, Gulfport, MS. 09/18/2010

Other:

Camp Instructor. LTEC's Secrets of Salamanders event. 2/24/17
Camp Instructor. LTEC's Fun with Frogs event. 8/26/16
Camp Counselor. ExxonMobil Bernard Harris Summer Science Camp, Coastal and Ocean Awareness through Science and Technology (COAST), USM. June 2015
Camp Instructor. LTEC's Nature Camp III, Living in the Longleaf (Grades 3 – 6th). July 2015
Camp Instructor. LTEC's Nature Camp II, The Singing River: Exploring the Pascagoula Watershed (Grades 7 – 9th). July 2015
Camp Instructor. LTEC's Nature Camp I, The Singing River: Exploring the Pascagoula Watershed (Grades 3 – 6th). July 2015
Camp Instructor. LTEC's Night's at Thoreau, The Secrets of Salamanders event. 1/23/2015
Camp Instructor. LTEC's Night's at Thoreau, Spiderwalk! event. 9/19/14
Camp Instructor. LTEC's Fun with Frogs event. 8/22/14
Camp Instructor. LTEC's Nature Camp: Atoms to Ecosystems. 7/14/14 – 7/18/14
Guide. LTEC's Discover Nature Series, Herps of Mississippi event. 9/13/14
Naturalist. NSF funded OUTSIDE programs at LTEC 2012 to 2014
Educational Volunteer. Biological Learning Center, USM. 2010 – 2013
Counselor and Naturalist. LTEC's Night Sounds event. 9/20 – 9/21/13

Guide. Mississippi Native Plant Society meeting 08/27 – 08/28/11

Naturalist. Payne Center Outdoor Program “Flora & Fauna of Lake Thoreau.” 04/20/11

Herpetofauna display for the promotion of “Rango,” Hattiesburg Grand 18 Theater. 03/04/11

Professional Memberships and Honors:

Society for the Study of Amphibians and Reptiles

Herpetologist’s League

American Society of Ichthyologists and Herpetologists

USM Women In Science and Engineering (WISE)

USM 2016 Graduate Student Hall of Fame

National Science Foundation Graduate Research Fellowship Honorable Mention 2010

Best overall paper. Florida Museum of Natural History Annual Herpetology Conference. 3/25/17.

1st place Graduate Oral Presentation, USM Graduate Student Symposium 4/25/14

2nd place Graduate Oral Presentation, USM Graduate Student Symposium 4/19/13