

ANNA E. HILLER

LSU Museum of Natural Science
119 Foster Hall, Louisiana State University
Baton Rouge, LA 70803
(530) 574-3121 | ahille2@lsu.edu

EDUCATION

Ph.D. Student Systematics, Ecology and Evolution, 2016-present
Louisiana State University
Advisors: Dr. Brant Faircloth, Dr. Robb Brumfield

B.S. Environmental Science, 2010-2014
University of California, Berkeley
Mentors & Advisors: Dr. Carla Cicero, Dr. Rauri Bowie, Dr. Kari Goodman, Dr. Rosemary Gillespie. *Thesis*: Mapping the Diversification of Hawaiian Swordtail Crickets using ENM.

AWARDS, FELLOWSHIPS, & GRANTS

BioGrads Award, Dept. of Biological Sciences, Louisiana State University. 2017	\$400
Board of Regents Fellowship, Louisiana State University. 2016-2020	\$255,000
AOU Travel Award, American Ornithologists' Union. 2016	\$235
Undergraduate Conference Travel Award, Museum of Vertebrate Zoology. 2016	\$250
Sponsored Projects for Undergraduate Research, University of California, Berkeley. 2014	\$2,000
CNR Travel Grant, College of Natural Resources, University of California, Berkeley. 2014	\$600
Dean's Honors, College of Natural Resources, University of California, Berkeley. 2013	--

PUBLICATIONS

- Hiller, A. E.**, K. R. Goodman, K. L. Shaw, P. M. O'Grady, and R. G. Gillespie. In prep. Mixed signals in adaptive radiation: mapping the diversification of Hawaiian arthropods using Ecological Niche Modeling. For submission to *Global Ecology and Biogeography*.
- Hiller, A. E.**, C. Cicero, M. J. Albe, T. L. Wong, C. Spencer, R. C. K. Bowie, and E. A. Lacey. In prep for re-submission. Mutualism in museums: A model for engaging undergraduates in biodiversity science. For submission to *PLOS Biology*.

SELECTED PRESENTATIONS

- Hiller, A.**, C. Cicero, M. Albe, T. W. Barclay, C. Spencer, M. Koo, R. Bowie, and E. Lacey. Mutualism in Museums: A 10-year Retrospective on the MVZ Undergraduate Program. 2016. *North American Ornithological Conference*, Washington D.C. Talk.
- Hiller, A.**, K. Goodman, R. Gillespie. Diversification of Hawaiian Arthropods using ENM. 2015. *Science for Parks and Parks for Science*, University of California, Berkeley.
- Hiller, A.**, C. Lee, K. Lyberger, Z. Hanna, and C. Cicero. Words of Wisdom on Undergraduate Research Opportunities. 2015. *MVZ Undergraduate Seminar on Independent Research and Funding*, University of California, Berkeley. Talk.
- Hiller, A.**, K. Goodman, R. Gillespie. Diversification of Hawaiian Swordtail Crickets using Ecological Niche Modeling. 2014. *Island Biology*, University of Hawaii, Manoa.

RESEARCH EXPERIENCE

Curatorial Assistant - Museum of Vertebrate Zoology, University of California, Berkeley. 2011-2016

Genetics Lab Assistant - Evolutionary Genetics Lab, University of California, Berkeley. 2015

Undergraduate & Post-Baccalaureate Researcher - Gillespie EvoLab, Dept. of Environmental Science, Policy and Management, University of California, Berkeley. 2013-2015

Undergraduate Research Assistant - Ecoinformatics Engine for the Keck Project, Berkeley Initiative in Global Change Biology, University of California, Berkeley. 2013

TEACHING EXPERIENCE

Undergraduate Student Instructor - Ornithology, with Dr. Rauri Bowie. 2015

Instructor - Advanced Specimen Preparation, with Dr. Carla Cicero. 2013-2015

OUTREACH

Public Outreach - participated in 5 events to discuss biodiversity research using the LSUMNS collection. Audiences included the general public, bird watchers, and K-12 students. LSU Museum of Natural Science. 2016-present

Science Communication - wrote 2 online articles and designed 3 public displays. Organized specimen exhibitions and volunteered as a docent for Cal Day, the annual museum open house with over 1000 visitors. Led tours for K-12 students, teachers, and undergraduate classes. Museum of Vertebrate Zoology. 2012-2015

Undergraduate Mentorship - trained 15 students, including 12 women, in specimen preparation and 7 students in curatorial work. Museum of Vertebrate Zoology. 2013-2015

Women in STEM - performed dissection demonstrations for 60 5th-8th grade girls during museum tours. Expanding Your Horizons Event. University of California, Berkeley. 2015

OTHER SKILLS

- R, Linux/Unix command line, basic Python
- Salt and Qiagen extractions, gel electrophoresis, PCR, Sanger sequencing
- Georeferencing, raster conversion in ArcGIS, Maxent for species distribution modeling
- Experienced with CITES and USFW import/export permits, Excel for data entry, Arctos collection management database (<http://arctos.database.museum/>)
- Advanced Spanish

FIELD EXPERIENCE

Expeditions - Texas, USA 2017 (birds). Hawaii, USA 2014 (arthropods). California, USA 2014 (birds). Chiapas, Mexico 2013 (mammals and birds).

Other Fieldwork - Galápagos, Ecuador 2012 (Galápagos sea lion population surveys and Blacktip reef shark radio telemetry). California, USA 2010 (owl boxes and riparian habitat restoration).

Field Courses - Ornithology, Louisiana, USA 2017. Ornithology, California, USA 2015. IB 104 Natural History of the Vertebrates, California, USA 2014. Tropical Ecology & Mountain Geology, Ecuador 2012.

PROFESSIONAL MEMBERSHIPS

The American Ornithological Society, Society of Systematic Biologists, Society for the Study of Evolution, LSU Women in Science