

ELLEN K. BLEDSOE

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EDUCATION

- PhD University of Florida, Interdisciplinary Ecology August 2015 – Present
Gainesville, FL
Advisor: S. K. Morgan Ernest
- BA Mount Holyoke College, Biological Sciences September 2009 – May 2013
South Hadley, MA
Organization for Tropical Studies, South Africa Spring 2012
Summa Cum Laude, Phi Beta Kappa

PUBLICATIONS

- Bledsoe, E.K.**, and S.K.M. Ernest. 2019. Temporal changes in species composition affect a ubiquitous species' use of habitat patches. *Ecology* e02869 <https://doi.org/10.1002/ecy.2869>
- Christensen, E.M., G.M. Yenni, H. Ye, J.L. Simonis, **E.K. Bledsoe**,...S.K.M. Ernest. 2019. portalr: an R package for summarizing and using the Portal Project data. *Journal of Open Source Software* 4(33):1098. <https://doi.org/10.21105/joss.01098>.
- White, E.P., G.M. Yenni, S.D. Taylor, E.M. Christensen, **E.K. Bledsoe**,...S.K.M. Ernest. 2019. Developing an automated iterative near-term forecasting system for an ecological study. *Methods in Ecology and Evolution* 10:332-344. <https://doi.org/10.1111/2041-210X.13104>.
- Yenni, G.M., E.M. Christensen, **E.K. Bledsoe**, S.R. Supp,...S.K.M. Ernest. 2019. Developing a modern data workflow for regularly updated data. *PLoS Biology* 17(1):e3000125. <https://doi.org/10.1371/journal.pbio.3000125>.
- Ernest, S.K.M., G.M. Yenni, G. Allington, **E.K. Bledsoe**, E.M. Christensen,...T.J. Valone. 2018. The Portal Project: a long-term study of a Chihuahuan desert ecosystem. *bioRxiv* 332783. <https://doi.org/10.1101/332783>.
- Bledsoe, E.K.**, and D.M. Blumstein. 2015. What is the sound of fear? Behavioral responses of white-crowned sparrows, *Zonotrichia leucophrys*, to synthesized nonlinear acoustic phenomena. *Current Zoology* 60(4): 534-541. <https://doi.org/10.1093/czoolo/60.4.534>.

SOFTWARE

- Yenni, G. M., H. Ye, E.M. Christensen, **E.K. Bledsoe**, R.M. Diaz., S.D. Taylor, E.P. White, and S.K.M. Ernest. 2018. portalr: create useful summaries of the Portal data. R package version 0.1.4. <https://CRAN.R-project.org/package=portalr>.

INVITED TALKS

Bledsoe, E. K., and A. K. Lewis. Sept.17 2019. Ally Skills 101: Why allies? Biology Department, University of Florida, Gainesville, FL.

Bledsoe, E. K., and A. K. Lewis. Sept.11 2019. Ally Skills 101: Why allies? Research Bazaar, University of Florida, Gainesville, FL.

HONORS & AWARDS

Environmental Data Science Inclusion Network (EDSIN) Open Education Fellow	2019
Biological & Environmental Data in Education (BEDE) Network Steering Committee	2019
UF Student Activities & Involvement “Inclusion Excellence” Award—NRDI	2019
UF Doris Lowe and Earl & Verna Lowe Scholarship, \$2000	2019
NSF Graduate Research Fellowship—Honorable Mention	2015
Mount Holyoke College “21 st Century Scholars” Academic Scholarship, \$80,000	2009-2013
MHC Dept. of Biological Sciences “Excellence in Teaching”	2013
MHC Kathryn F. Stein “Most Outstanding Research Paper in Biological Sciences”	2013
MHC Bernice Maclean “Excellence in Biology in Senior Year” Award	2013
MHC Mary Lyon Scholar (High Honors or Summa Cum Laude recipients)	2013
MHC Miller-Worley Center for the Environment Summer Fellowship, \$3,000	2012

PREVIOUS RESEARCH & FIELD EXPERIENCE

Bat Field Technician, Great Smoky Mountains National Park, NC/TN May 2015 – July 2015
Indiana State University, PI: Dr. Joy O’Keefe
Roosting ecology of Northern long-eared bats, Indiana bats, and little brown bats

Feral Swine Technician, Savanna River Ecology Laboratory, SC Jan. 2015 – Apr. 2015
University of Georgia, PI: Dr. James Beasley
Population dynamics of wild pigs

Bat Community Technician (Field Leader), Kirksville, MO Aug. 2014 – Nov.2014
Missouri Department of Conservation
Acoustic monitoring of bat communities across northeastern Missouri

Bat Field Technician, Nashville, IN May 2014 – July 2014
Ball State University, PI: Dr. Tim Carter
Roosting ecology of northern long-eared bats and acoustic monitoring of bat communities

Deer Capture Research Technician, Winter, WI Dec. 2013 – Apr. 2014
Wisconsin Department of Natural Resources
Population dynamics and mortality of white-tailed deer

Species Monitoring Intern, Lava Beds National Monument, CA June 2013 – Nov. 2013
National Park Service (through American Conservation Experience)
Bat maternity colony surveys, population dynamics of pika in Lava Beds

Advanced Independent Research, Gothic, CO May 2012 – Aug. 2012
 Rocky Mountain Biological Laboratory, PI: Dr. Dan Blumstein
 Behavioral responses of white-crowned sparrows to nonlinear acoustic responses

LEADERSHIP & SERVICE

Co-Leader, Ally Skills Network, University of Florida Summer 2019 – present
 Organizer, Ally Skills Workshop, University of Florida May 6, 2019
 Organizer, Train-the-Trainers (for Ally Skills) Workshop, University of Florida May 7, 2019
 Co-organizer, Ally Skills Workshop, University of Florida February 21, 2018

Natural Resources Diversity Initiative Fall 2015 – present
President Summer 2019 – present
Vice President 2018 – 2019
Treasurer 2017 – 2018

Graduate Student Council—School of Natural Resources & Environment Fall 2015 – present
President 2018 – 2019
Vice President 2017 – 2018
Treasurer 2016 – 2017

TEACHING

Instructor of Record

Environmental Science Lab Fall 2019
 • career-oriented undergraduate lab course, University of Florida
Biodiversity Patterns & Processes (co-instructor with Morgan Ernest) Fall 2018
 • mixed graduate and undergraduate class, University of Florida

Guest Lecturer

Florida Master Naturalist Program, University of Florida April 2018
 Forest Ecology (Dr. Stephanie Bolhman), University of Florida November 2017
 Women in Ecology Webinar (Dr. Joel Ralston), St. Mary's College October 2017
 Forest Ecology (Dr. Stephanie Bolhman), University of Florida November 2016

Data & Software Carpentry Workshops

Instructor – Software Carpentry Workshop, University of Florida February 2019
 Helper – Data Carpentry Workshop, University of Florida August 2018
 Helper – Data Carpentry Workshop, University of Florida June 2018
 Helper – Data Carpentry Workshop, University of Florida March 2018
 Instructor – Data Carpentry (7-week) Workshop, University of Florida January 2018
 Helper – Data Carpentry Workshop, University of Florida August 2017

Teaching Assistant

Evolution (Undergraduate), Mount Holyoke College Spring 2013
 Ecology (Undergraduate), Mount Holyoke College Fall 2012
 Introductory Biology (Undergraduate), Mount Holyoke College Fall 2011

Tutoring & Mentoring

Tutor for Biology Department, Mount Holyoke College Spring 2011 – Spring 2013
Peer-Led Undergraduate Mentor (Ecology), Mount Holyoke College Fall 2012

POSTERS & PRESENTATIONS

Bledsoe, E.K., and S.K.M. Ernest. 2018. Heterogeneity in competitors affects patch preference in the same extrinsic environment. Ecological Society of America, New Orleans, LA.

Bledsoe, E.K., S.M. Wisely, and S.K.M. Ernest. 2017. DNA metabarcoding provides insights into desert rodent diet partitioning. Ecological Society of America, Portland, OR.

Bledsoe, E.K., and S.K.M. Ernest. 2016. The core-sporadic framework: synthesizing spatial and temporal patterns of distribution. Gordon Research Conference Unifying Ecology Across Scales, Biddeford, ME.

Bledsoe, E.K., and S.K.M. Ernest. 2016. The core-sporadic framework: synthesizing spatial and temporal patterns of distribution. UF School of Natural Resources and Environment Research Symposium, Gainesville, FL.

WORKSHOPS

Evolution of Data in the Classroom: From Data to Data Science (QUBES/BioQUEST) July 2019
Summer Workshop—"Future Faculty" Participant, College of William & Mary
Train-the-Trainers (to lead Ally Skills Workshops), University of Florida May 2019
Introduction to Bayesian Statistics Workshop, Lygra, Norway September 2018
Making-a-Mentor Workshop, University of Florida May 2018
Ally Skills Workshop, University of Florida February 2018
Bayesian Species Distribution Modeling Workshop, University of Florida November 2017
Software & Data Carpentry Instructor Training Workshop, University of Florida May 2017
Project Learning Tree Training Session, Austin-Cary Forest (UF) January 2017
WGSA Science Communication Workshop, University of Florida December 2016

TRAVEL GRANTS

UF Carpentries Travel Grant, \$500 2019
UF Wildlife Graduate Student Association Travel Grant, \$250 2018
UF Institute of Food & Agricultural Sciences Travel Grant, \$250 2016, 2018
UF Graduate Student Council Travel Grant, \$350 2017, 2018
UF School of Natural Resources & Environment Travel Grant, \$250 2018