



HIGHLANDS
BIOLOGICAL STATION

THESES AND DISSERTATIONS 2000 – 2020

- Allen, J. 2017. Lichen conservation in eastern North America: Population genomics, climate change, and translocations. Ph.D. dissertation, City University of NY and NY Botanical Garden.
- Baggett, C. L. 2016. Population-level variation in a pheromone complex across species' geographic range. M.S. thesis, John Carroll University.
- Ballance, T. 2018. Effects of nest building behavior on incubation and reproductive success in Carolina chickadees (*Poecile carolinensis*). M.S. thesis, Western Carolina University.
- Becraft, K. 2013. Foraging niches and resource partitioning between three co-occurring songbirds in the southern Appalachians. M.S. thesis, UNC-Chapel Hill.
- Casey, E. D. 2002. Phylogeography and genetic diversity of the seal salamander (*Desmognathus monticola*). M.S. thesis, Eastern Illinois University.
- Cashner, M. F. 2010. Nest association in subgenus *Hydrophlox* (Cyprinidae: *Notropis*): a phylogenetic, behavioral and conservation approach. Ph.D. dissertation, Tulane University.
- Chattin, L. 2004. Habitat preferences of the Junaluska salamander, *Eurycea junaluska*, over two spatial scales. M.S. thesis, Towson University.
- Cladis, S. G. 2008. Interactions of resin flow, sap flow and environmental variables in two pine species (*Pinus strobus* and *Pinus echinata*; Pinaceae). M.S. thesis, Western Carolina University.
- Connette, G. 2014. Individual, population and landscape-scale effects of timber harvest on the red-legged salamander (*Plethodon shermani*). Ph.D. dissertation, University of Missouri.
- Cragg, S. 2020. Biotic and abiotic factors influencing headwater stream organisms in the southern Appalachians. M.S. thesis, Appalachian State University.
- Crawford, J. 2007. Beyond the edge: Riparian habitat use and forest management effects on stream salamanders in the southern Appalachian mountains. Ph.D. dissertation, University of Missouri.
- Cummings, K. 2012. Sassafras tea: Using a traditional method of preparation to reduce the carcinogenic

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compound safrole. M.S. thesis, Clemson University.

D'Aguillo, M. 2020. Ecological and evolutionary consequences of habitat tracking through germination phenology. Ph.D. dissertation, Duke University.

Eckardt, M. 2013. Evidence of kin-specific communication in a temperate, subsocial spider *Anelosimus studiosus* (Araneae, Theridiidae). M.S. thesis, Western Carolina University.

Eng, R. Y. Y. 2018. Eastern spotted skunk occupancy and rest site selection in hardwood forests of the southern Appalachians. M.S. thesis, Clemson University.

Fonner, C. W. 2015. The effects of stressors and stress hormones on behavior, physiology, and disease susceptibility in terrestrial salamanders. Ph.D. dissertation, Duquesne University.

Gramling, A. E. 2006. A conservation assessment of *Packera millefolium*, a southern Appalachian endemic. M.S. thesis, University of North Carolina at Chapel Hill.

Harmon, W. A. 2018. The impossible salamander: aberrant coloration as a result of metal toxicity, crypsis, or light exposure. M.S. thesis, Western Carolina University.

Harrelson, J. 2015. Golden-winged warblers (*Vermivora chrysoptera*) of the southern Appalachians: Behavior, ecology, and conservation of a declining Neotropical migrant songbird. M.S. thesis, Western Carolina University.

Herlihy, C. R. 2004. Reproductive assurance and the evolution of self-fertilization in *Aquilegia canadensis*. Ph.D. dissertation, Queens University, Kingston, Ontario, Canada.

Himes, S. L. 2002. Costs and benefits of self-fertility in *Asclepias exaltata* L. M.S. thesis, Western Carolina University.

Jones, M. T. 2003. Population genetics and geographic variation in the shovel-noses salamander, *Desmognathus marmoratus*. M.S. thesis, Clemson University.

Kiemnec, K. 2009. Chemical cues and the molecular basis of olfactory chemoreception in caudate amphibians. Ph.D. dissertation, Oregon State University.

Kozak, K. H. 2005. Evolutionary and ecological diversification in eastern North American plethodontid salamanders: speciation, ecomorphological divergence, and community assembly in a salamander biodiversity hotspot. Ph.D. dissertation, Washington University.

Lafferty, A. 2018. Invasion and high-elevation acclimation of the red imported fire ant (Formicidae: *Solenopsis invicta*) in the southern Blue Ridge Escarpment region. M.S. thesis, Western Carolina University.

Lamphere, B. 2005. Movement and gene flow in an actively sedentary stream fish, the mottled sculpin (*Cottus bairdi*). Ph.D. dissertation, University of North Carolina at Chapel Hill.

- Lanzel, S. 2008. Atrazine and info-disruption: Does the pesticide atrazine disrupt the transfer of chemical information in the terrestrial salamander, *Plethodon shermani*? M.S. thesis, Duquesne University.
- Lessard, J. P. 2010. Linking community ecology and biogeography: the role of biotic interactions and abiotic gradients in shaping the structure of ant communities. Ph.D. dissertation, University of Tennessee.
- McCormick, M. A. 2012. Geographic distribution, phylogenetic relatedness, and phenotypic characterization of *Fomes fasciatus* and *Fomes fomentarius* in the United States. M.S. thesis, North Carolina State University.
- McCoy, S. 2016. Movement and habitat ecology of protected species in North Carolina. M.S. thesis, Western Carolina University.
- McNeill, D. F. III. 2008. Determination and compatibility of putatively hypovirulent and virulent isolates of *Cryphonectria parasitica* collected from the Great Smoky Mountains National Park. M.S. thesis, Mississippi State University.
- Mead, L. S. 2001. Patterns and processes of speciation in desmognathine salamanders. Ph.D. dissertation, University of Massachusetts.
- Mendelson, T. C. 2001. The evolution of reproductive isolation in a diverse genus of fish (*Etheostoma*, family: Percidae). Ph.D. dissertation, Duke University.
- Miller, J. R. 2002. Adaptive population variation in the black-bellied salamander, *Desmognathus quadramaculatus*. Ph.D. dissertation, University of North Carolina at Chapel Hill.
- Milne, M. A. 2010. Ecological interactions between spiders and the purple pitcher plant, *Sarracenia purpurea*. Ph.D. dissertation, Old Dominion University.
- Nation, T. H. 2005. The influence of soil calcium on land snail diversity in the Blue Ridge Escarpment of South Carolina. Ph.D. dissertation, Clemson University.
- O'Donnell, M. K. 2019. Clinging and climbing in plethodontid salamanders: Variation in performance, mechanisms of attachment, and effects of surface conditions. Ph.D. dissertation, University of South Florida.
- Peterman, W. E. 2008. Effects of riparian buffer width on stream salamander populations in the southern Appalachian mountains. M.S. thesis, University of Missouri.
- Petric, R. 2020. Do physiological and environmental factors influence vocal communication and associated behaviors in *Peromyscus*? Ph.D. dissertation, UNC-Greensboro.
- Pierson, T. W. 2019. Organization of genetic and reproductive behavioral diversity in the two-lined

- salamander (*Eurycea bislineata*) species complex. Ph.D. dissertation, University of Tennessee-Knoxville.
- Quinlan, E. 2018. The phylogenetic history and ecophysiological diversity of sand-myrtle (Ericaceae: *Kalmia buxifolia*). M.S. thesis, Western Carolina University.
- Riddell, E. 2017. Ecological consequences of water loss under climate change in small ectotherms. Ph.D. dissertation, Clemson University.
- Robinson J. L. 2003. Discontinuities in fish assemblages and efficacy of thermal restoration in Toxaway River, North Carolina. M.S. thesis, North Carolina State University.
- Seaborn, T. J. 2014. Developing a predictive model of the autecology of the spruce-fir moss spider, *Microhexura montivaga* Crosby and Bishop 1925 (Araneae: Dipluridae). M.S. thesis, Western Carolina University.
- Sipe, T. W. 2002. Intraspecific phylogeography of the masked shrew (*Sorex cinereus*) and smoky shrew (*Sorex fumeus*) in the southern Appalachians. Ph.D. dissertation, Wake Forest University.
- Strauss, B. 2007. Snails at three scales: Interplay of stream hydrology and hydraulics with the morphology, dispersal and distribution of *Elimia proxima*. Ph.D. dissertation, Princeton University.
- Surasinghe, T. 2013. Influences of riparian land-uses on habitat use and interspecific competition of stream-dwelling salamanders: Evidence from Blue Ridge and Piedmont. Ph.D. dissertation, Clemson University.
- Taylor, R. N. 2001. The herpetofauna of Panthertown Valley, North Carolina, with emphasis on the efficacy of coverboards in evaluating populations of terrestrial salamanders. M.S. thesis, Western Carolina University.
- Timpe, E. 2009. Exploring the faunal connection between the Appalachian Mountains and the Ozark Plateau: a phylogeographic study of the long-tailed salamander complex (Plethodontidae: Splerpinae: *Eurycea*). M.S. thesis, University of Tulsa.
- Torgerson, J. 2012. Genetic variation in *Hydrastis canadensis* populations in western North Carolina. M.S. thesis, Western Carolina University.
- Vasquez-Velez, L. M. 2020. Evolution of secondary sexual characters in Pselaphinae (Coleoptera: Staphylinidae). Ph.D. dissertation, Clemson University.
- Wack, C. 2011. Neuroendocrine mechanisms mediating pheromonal modulation of behavior in terrestrial salamanders. Ph.D. dissertation, Duquesne University.
- Weaver, N. S. 2015. Influence of exurban neighborhoods on riparian vegetation and stream salamanders in the southern Appalachian mountains. M.S. thesis, Clemson University.

- Weisrock, D. 2003. Molecular phylogenetic studies of speciation and phylogeny in salamanders: macroevolutionary and microevolutionary perspectives. Ph.D. dissertation, Washington University.
- White, C. C. G. 2000. An analysis of spatial utilization by the terrestrial salamander *Plethodon metcalfi*. M.S. thesis, Western Carolina University.
- Whiteley, E. 2000. A structured inventory of the spiders in a southern Appalachian bog. M.S. thesis, Western Carolina University.
- Wilburn, D. 2014. Mechanisms of action and co-optive evolution for hypervariable courtship pheromones plethodontid salamanders. Ph.D. dissertation, University of Louisville.
- Wilson, C. R. 2001. Status of the green salamander (*Aneides aeneus*) in the Blue Ridge Mountains. M.S. thesis, Appalachian State University.
- Wynns, J. 2006. Taxonomic studies in the aquatic moss genus *Platyhypnidium* (Brachytheciaceae). M.S. thesis, Appalachian State University.