

Natural History Research

BAHS Faculty



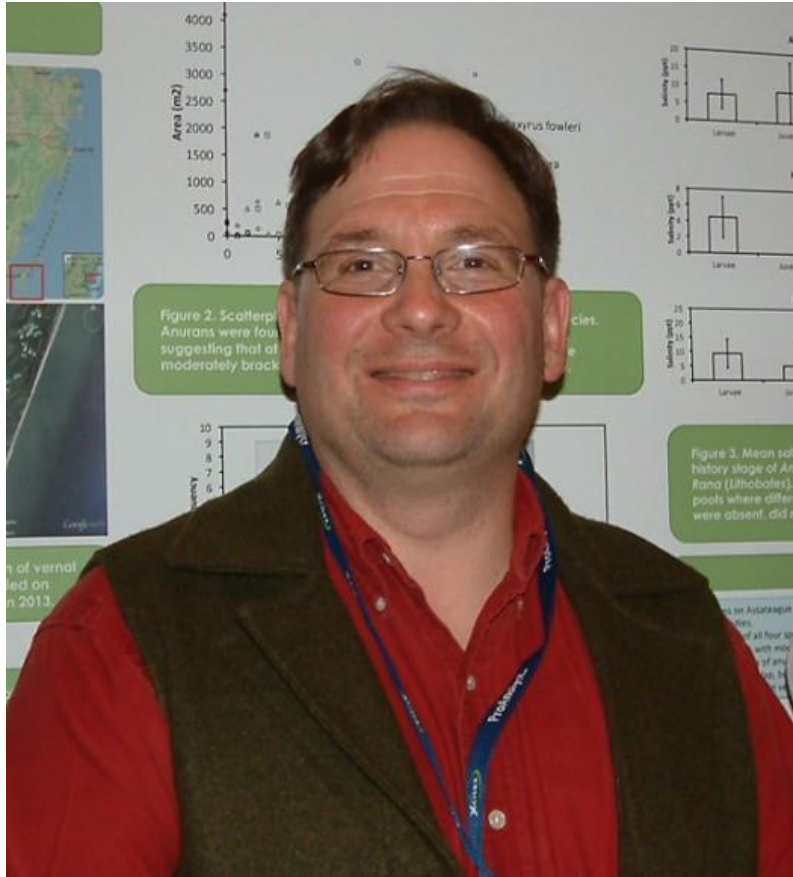
Clay Corbin, Ph.D.

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Research Interests

Evolutionary Ecology, Foraging Ecology, Functional Anatomy

In 2018, Dr. Corbin continued his student-based research program by mentoring Masters and undergraduate students in projects including museum collections, ecological morphology, foraging ecology, and birds and West Nile virus.



John Hranitz, Ph.D.

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Research Interests

My research expertise is in the ecological genetics and physiological ecology of animals. I study amphibians, reptiles and bees, but I also collaborate to study other taxa, providing expertise in ecological genetics or physiological ecology. I use numerous techniques (allozyme genetics, microsatellite DNA genotyping, mtDNA sequencing, western blotting, ELISA, and skeletochronology) to study heterozygosity-fitness relationships, population genetic structure, and the abundance, distribution, and the physiological ecology of animals. Currently, studies by my students and I investigate island dwarfism and coastal ecology of amphibians, island pollination systems, host-vector relationships for West Nile Virus, and stress responses in bees.



Candace Klingerman, Ph.D.

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Research Interests

My research laboratory is dedicated to understanding the neuroendocrine mechanisms underlying diseases of energy dysregulation (e.g. obesity, anorexia). These mechanisms are studied from an evolutionary perspective – traits evolve if they increase reproductive success. Therefore, we examine both ingestive as well as reproductive behaviors simultaneously, using zebrafish as our animal model