

School of Biological Sciences Graduate Program
Faculty who are Recruiting Graduate Students for Fall 2020

Frederick Adler	Evolutionary ecology; mathematical epidemiology and immunology
William Anderegg	Ecosystems and climate change
Markus Babst	Protein trafficking and metabolism of eukaryotic cells
David Bowling	Ecosystem ecology, biogeochemistry
William Brazelton	Metagenomic approaches to the microbial ecology of extreme environments and to the evolution of antibiotic resistance.
Sarah Bush	Evolutionary ecology of hosts and parasites; coevolution; parasite systematics; parasite biodiversity
David Carrier	Functional morphology; biomechanics
Sophie Caron	Form and Function of Brain Centers; Multisensory Integration; Learning and Memory; Sensory representation in the <i>Drosophila</i> brain
Dean Castillo	Evolutionary genetics of reproductive biology; behavioral mechanisms of mate choice
Dale Clayton	Host-parasite coevolution; systematics of birds and ectoparasites
Colin Dale	Microbiology and molecular evolution; insects and endosymbionts
Donald Feener	Social insect behavior, ecology, and evolution; host-parasite interactions; community ecology
James Gagnon	Vertebrate lineage and cell fate choice, cell signaling, genome engineering
Julie Hollien	Stress pathways, endoplasmic reticulum function, RNA localization and decay
Martin Horvath	Structure determination and molecular physiology of telomere DNA---protein complexes and NMDA neuroreceptor---neurotoxin complexes
Kelly Hughes	Bacterial flagellum biogenesis; gene regulation of complex; biological process in bacteria; microbial type III protein secretion
Erik Jorgensen	Mechanisms of synaptic function
John T. Longino	Taxonomy and Ecology
Baldomero Olivera	Conotoxins; ion channels; neurobiology; molecular biodiversity

John S. Parkinson	Molecular biology and genetics of signal transduction
Nitin Phadnis	Genetic conflict; Molecular basis of speciation
Ofer Rog	Synaptonemal complex, chromosome biology, meiosis, microscopy
Gary Rose	Neuroethology of audition and electroreception
Cagan Sekercioglu	Conservation biology, ecosystem functions, global change, landscape ecology, movement ecology, ornithology, tropical biology, vertebrate ecology
Michael Shapiro	Vertebrate genetics, genomics, development, and evolution
Leslie Sieburth	RNA decay; P-bodies; root-shoot signaling; leaf development in Arabidopsis
Neil Vickers	Neuroethology of olfaction and odor-mediated behavior
Ayako Yamaguchi	Neuroethology of vocal communication in frogs and bird