

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

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

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