

DEPARTMENT OF BIOLOGY

FACULTY RESEARCH INTERESTS

Jessica Allen, PhD (2018), City University of New York Graduate Center (2017); Research Interests: Lichen, ecology, evolution and conservation, natural history collections, herbaria, population genetics, and genomics.

Jason Ashley, PhD (2016), University of Alabama (2011); Research Interests: Cellular and molecular mechanisms of skeletal physiology and disease.

Justin Bastow, PhD (2008), University of California - Davis (2007); Research Interests: Soil and insect ecology, plant - insect interactions, terrestrial ecosystem ecology.

A. Ross Black, PhD (1993), University of Wisconsin-Madison (1991); Research Interests: The ecology and evolution of aquatic organisms, population biology, limnology, ecological genetics, life history evolution.

Rebecca L. Brown, Chair, PhD (2004), University of North Carolina (2002); Research Interests: Riparian ecology, plant ecology, restoration ecology, restoring river ecosystems affected by dams, understanding factors that affect plant diversity, ecology and management of invasive plants.

Judd Case, PhD (2006), University of California-Riverside (1986); Research Interests: Evolutionary biology, mammalogy, vertebrate paleontology and the connection between climatic and floral changes and patterns of mammalian evolution, with an emphasis on the evolution, biogeography and systematics of marsupials and the Gondwanan biota.

Andrea Castillo, PhD (2008), University of Colorado (2001); Research Interests: bacterial pathogenesis. Studying the molecules *Helicobacter pylori* uses to infect and cause gastric disease in humans.

David Daberkow, PhD (2010), University of Utah (2006); Research Interests: Neurobiology, molecular and cellular mechanisms associated with learning and memory, effect of drugs on brains and behavior.

Bradley Fillmore, MS (2008), Idaho State University (1999); Professional interests involve Human Anatomy & Physiology teaching, Science Olympiad, educational technologies.

Charles Herr, PhD (1994), Washington State University (1986); Research Interests: Differentiation of early mammalian embryos; development of technologies to use on mammalian embryos and gametes; application of molecular biology techniques to research problems in mammalian embryology.

Bo Idsardi, PhD (2018), University of Georgia (2018); Research Interests; Biology education, active learning in undergraduate STEM courses.

Krisztian Magori, PhD (2014), Eotvos University, Budapest, Hungary (2004). Research Interests: Biostatistics and disease ecology.

Joanna J. Matos, PhD (2008), University of Florida (2007); Research Interests: comparative physiology, ecology and evolution of aquatic invertebrates and the model organism/*Caenorhabditis elegans*/(rhabditid nematode).

Luis Matos, PhD (2008), University of Florida (2010); Research Interests: Genetics and evolution of virus-host relationships.

Camille McNeely, PhD (2007), University of California - Berkeley (2004); Research Interests: Stream ecology, role of freshwater invertebrates in stream communities and ecosystems.

Robin O'Quinn, PhD (2008), Washington State University (2005); Research Interests: Evolution of morphological diversity, plant systematics, population genetics of rare species, biogeography/phylogeography.

Paul Spruell, PhD (2015), Washington State University (1994); Research Interests: Application of population genetic techniques to questions of fisheries management and conservation.

Jeni Walke, PhD (2017), Virginia Tech (2014); Research Interests: Microbial and disease ecology; host- microbe interactions; community structure-function relationships; probiotics to promote host health and for wildlife conservation.