Duke Faculty Interested in Supporting WHOI Fellows

David Johnston
Marine conservation issues including: understanding the foraging ecology and habitat needs of marine animals at various spatial and temporal scales; the design and utility of marine protected areas and the concept of marine wilderness; the effects of climate variability and climate change on marine animals; the sustainability of incidental mortality and directed harvests of marine animals; the effects of sound and noise pollution on marine mammals and the suitable application of new technological approaches to marine conservation.

Douglas Nowacek
Bioacoustics and behavioral ecology of cetaceans; foraging ecology of cetaceans; hydrodynamics of locomotion; development of technology for marine conservation research

Mike Orbach
Application of social science to coastal and marine policy and management. Special interest in protected species.

Pat Halpin
Marine geospatial analysis, ecological applications of geographic information systems and remote sensing; marine conservation and ecosystem-based management. Halpin leads the Marine Geospatial Ecology Lab and the Ocean Biogeographic Information Systems.

Andy Read
Fisheries interactions; effects of sound; population dynamics and life history; foraging ecology; habitat modeling

WHOI Faculty Interested in Supporting Duke Fellows

Amy Apprill
Characterizing marine mammal microbiomes using cultivation-independent methods; developing microbial-based health
assessment tools; understanding water quality impacts on marine mammal health.

Mark Baumgartner
Top predator ecology and the physical and biological oceanographic processes that influence the feeding and distribution of these predators. How do behavior, life history, and aggregation mechanisms of zooplankton influence the distribution and behavior of baleen whales.

Mark E. Hahn
Comparative toxicology; molecular evolution; analysis of gene expression; molecular biomarkers of contaminant exposure, effects, and susceptibility.

Hauke Kite-Powell
Analysis of public policies and private management decisions in technology-intensive industries and markets, with emphasis on the interdisciplinary application of models and analytical techniques from the fields of economics, engineering, and management.

Gareth Lawson
Biological and physical factors underlying variability in the distributions of zooplankton and fish, and the linkages between these prey and their cetacean predators.

Aran Mooney
Marine animal sensory ecology and physiology; Hearing and effects of noise; animal bioacoustics relating to physiology and behavior; using sensory biology to understand bycatch and depredation issues.

Michael Moore
Strandings and bycatch; pathobiology and diagnostics; forensics; large whale conservation, pathophysiology of diving.

Michael Neubert
mneubert@whoi.edu
Bioeconomics and marine protected areas

Laela Sayigh
Delphinid communication and behavior

Hanumant Singh
AUVs, Platforms, Sensor and Imaging for Ecosystems Research

Andy Solow
Environmental and ecological statistics; spatial statistics; Bayesian methods.

Tim Stanton
I am physicist whose research focuses on understanding fundamental acoustic scattering processes. Although much of my work is directed toward use of sound in human-made devices (scientific echosounders), it also applies to echo-locating marine mammals.

Peter Tyack
Acoustic communication and social behavior of cetaceans Effects of anthropogenic sound on cetaceans