

2019 Annual Environmental Science Student and Faculty Retreat

Marleen and Harold Forkas Alumni Center
Boca Raton Campus
April 8, 2019 • 1:30 PM – 5:00 PM

Agenda

- 1:30-3:00 **Student Poster Session, Refreshments**
- 3:00-3:20 **Welcome**
Dr. Dale Gawlik, Director
Environmental and Ocean Science
Dr. Bret Danilowicz, Provost
Florida Atlantic University
- 3:20-3:30 **Introduction**
Dr. Nate Dorn
Biological Sciences
- 3:30-4:30 **Keynote Address**
***Consequences of nutrient enrichment and
herbivore adaptation for phytoplankton in lakes***
Dr. Alan Wilson
Auburn University
- 4:30-5:00 **Student Awards, Refreshments**
Dianne Owen, Coordinator

Consequences of nutrient enrichment and herbivore adaptation for phytoplankton in lakes



Dr. Alan Wilson, will be the keynote speaker at the 2019 Retreat. His keynote address on algal blooms, “**Consequences of nutrient enrichment and herbivore adaptation for phytoplankton in lakes**”, is a highly topical issue in South Florida.

Dr. Wilson is a PhD ecologist and a former program director at the National Science Foundation. He has published over 50 papers in the past 16 years on cyanobacteria and trophic

interactions in freshwater and he serves on the editorial boards of both *Nature Scientific Reports* and *Harmful Algae*. Among numerous research awards and honors he also teaches an effective graduate-level meta-analysis course and has maintained a highly active undergraduate research program (e.g., NSF funded REU) program at Auburn.

In his research, Dr. Wilson uses large-scale observational studies and meta-analysis of existing data to discover patterns in nature, and identify the mechanisms mediating these patterns through experimentation. His current research focuses on the ecology of cyanobacterial blooms with an emphasis on understanding how biotic and abiotic factors influence cyanobacterial bloom formation in a variety of systems including recreational reservoirs and aquaculture ponds.