

# 2018 Nicholas School of the Environment PhD Research Symposium

February 9, 2018

Field Auditorium, Environment Hall

Sessions are in *green*, breaks are in *blue*

8:30 AM		Morning refreshments (for registrants)			Student Commons
Opening Remarks					Field Auditorium
8:50 AM	Nicholas School PhD Advocacy Council (NPAC)				
9:00 AM	Dr. Jeffrey Vincent, Stanback Dean, Nicholas School of the Environment				
9:05 AM	Dr. Sally Kornbluth, Provost, Duke University				
Session 1					Field Auditorium
	Presenter	Program	Title	Advisor	
9:15 AM	Lydia Greene	UPE	The influence of foliage diversity on the gut microbiome and colonic metabolome of captive Coquerel's sifakas	Christine Drea	
9:30 AM	Rebecca Dalton	UPE	The effect of climate-induced phenological shifts on competition for abiotic and biotic resources in co-flowering species	Bill Morris	
9:45 AM	Alexandra Sutton	ENV	Designing better funding mechanisms for conservation initiatives	Stuart Pimm	
10:00 AM	Jonathon Choi	MSC	Reviewing the types of scientific information in Endangered Species Act listings	Pat Halpin	
10:15 AM	Corrie Hannah	ENV	Motivating maintenance: Conditions for water user participation in irrigation infrastructure maintenance in Tajikistan	Elizabeth Albright	
10:30 AM		Coffee break			Student Commons
Session 2					Field Auditorium
10:45 AM	Sijia Zou	EOS	Exploring the relationship between deep water mass transport variability and the Atlantic Meridional Overturning Circulation	Susan Lozier	
11:00 AM	Nick Foukal	EOS	Ocean heat transport from the Gulf Stream to the subpolar North Atlantic	Susan Lozier	
11:15 AM	Enrico Zorzetto	EOS	Rainfall Extremes: a New Perspective from Satellite Observations	Marco Marani	
11:30 AM	Cathy Chamberlin	UPE	Timing of Nutrient Uptake Differs According to Degree of Nutrient Limitation in an Aquatic System	Jim Heffernan	
11:45 AM	Seaver Wang	EOS	Linking patterns of net community production and marine microbial community structure in the western North Atlantic	Nicholas Cassar	
12:00 PM		Lunch (for registrants)			Student Commons
Session 3					Field Auditorium
1:00 PM	Dana Baker	MSC	Marine Protected Areas and Adjacent Communities in Tanzania	Grant Murray	
1:15 PM	Stephanie Stefanski	UPEP	The new fisheries catch shares program in Argentina: Balancing efficiency & equity in rights-based management	Martin Smith	
1:30 PM	Patrick Gray	MSC	Coordinating satellites, drones, and gliders for long-term monitoring of highly mobile cetaceans in the Southern Ocean	Dave Johnston	
1:45 PM	Jeannie Shearer	UPE	Diving behavior of Cuvier's beaked whales ( <i>Ziphius Cavirostris</i> ) off Cape Hatteras, North Carolina	Andrew Read	
2:00 PM	Ryan Huang	UPE	How does mangrove fragmentation impact extinction risk of endemic birds?	Stuart Pimm	
2:15 PM		Coffee break			Student Commons
Session 4					Field Auditorium
2:30 PM	Xiaoxing Cui	ENV	The respiratory health impact of indoor air filtration in asthmatic children living in Shanghai, China	Junfeng Zhang	
2:45 PM	Jordan Kozal	ITEHP	Cross-generational exposure to benzo(a)pyrene affects metabolic plasticity and thermal stress response capacity	Richard Di Giulio	
3:00 PM	Qingran Li	UPEP	Averting behaviors to air pollution: evidence from electricity consumption in Shanghai	Steven Sexton	
3:15 PM	Karl Seltzer	EOS	Future trends of air quality and health impacts in the USA and China: Ozone's emerging contributions	Drew Shindell	
Three-Minute Thesis Competition					Field Auditorium
3:30 PM	Austin Allen (MSC), Graden Froese (ENV), Jacqueline Gerson (UPE), Rashmi Joglekar (ENV), Chris Krapu (ENV), Tess Leuthner (ITEHP), Assad Mrad (ENV), Emily Pechar (UPEP), Sarah Roberts (MSC), Wout Salenbien (EOS)				
4:15 PM	Closing remarks				
4:30 PM		Reception (graduate students, staff, faculty)			Student Commons

PhD division programs: Environment (ENV), Earth & Ocean Sciences (EOS), Marine Science & Conservation (MSC), Integrated Toxicology and Environmental Health Program (ITEHP), University Program in Ecology (UPE), University PhD Program in Environmental Policy (UPEP)

Register at <http://sites.nicholas.duke.edu/npac/>