

Ecological Society of America Annual Meeting Schedule of Presentations by UGA Students, Faculty, Postdocs, Staff, and UGA Ecology Alumni

Monday, Aug. 12		
Ricardo Holdo UGA Odum School of Ecology	1. Woodland-grassland transitions are strongly associated with soil hydrology but not fuel loads or fire in Serengeti savannas Session: COS 9 Environmental Gradients https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/78306	MON 8/12 1:30-1:50 PM KICC L013
Nicole Gottdenker, PhD '09 UGA College of Veterinary Medicine	1. Ecological and social mechanisms driving multi-host vector borne pathogen transmission in rural landscapes Session: SYMP 1 Land Use Change and Vector-Borne Diseases https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/77285	MON 8/12 1:30-2 PM KICC Ballroom E
Evelyn Gaiser, PhD '97 Florida International University	2. Hurricanes interact with disturbance legacies to effect ecosystem resilience Session: COS 4 Communities: Disturbance and Recovery I https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/79741	MON 8/12 1:50-2:10 PM KICC M109/110
Monica Palta, MS '05 Pace University	7. "Accidental" urban wetlands: Ecosystem functions in unexpected places Session: OOS 3 The Novel Biogeochemistry of Ubiquitous Understudied Urban Wetlands https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/76340	MON 8/12 3:40-4 PM KICC M104
Jennifer Cruse-Sanders UGA State Botanical Garden of Georgia	8. The role of botanical gardens and partnership in conserving biodiversity in the southeastern U.S. Session: OOS 1 History, Current Status, and Future of Biodiversity in the Southeast, a Center of Biodiversity in the United States https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/76691	MON 8/12 4-4:20 PM KICC M103
John Kominoski, PhD '08 Florida International University	8. Comparing effects of saltwater intrusion on carbon loss among coastal wetland ecosystems: From monitoring to mechanisms Session: COS 9 Environmental Gradients https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/78869	MON 8/12 4-4:20 PM KICC L013
Julienne NeSmith UGA Odum School of Ecology	61. Contrasting ecohydrological functional trait relationships in savanna tree and grass species Session: PS 6 Communities: Traits and Functional Diversity https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/79384	MON 8/12 4:30-6:30 PM KICC Exhibit Hall
Doug P. Aubrey Savannah River Ecology Lab	90. Measurements, processes, and pathways toward a mechanistic understanding of forest respiration Session: PS 11 Physiology https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/77249	MON 8/12 4:30-6:30 PM KICC Exhibit Hall
Hayley M.W. Ritger Joseph W. Jones Center at Ichauway	103. Effects of fire regime on bark beetles and tree defenses in longleaf pine Session: PS 12 Plant-Insect Interactions https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/78425	MON 8/12 4:30-6:30 PM KICC Exhibit Hall
Albert J. Meier, PhD '95 Western Kentucky University	131. Dispersal limitation of <i>Phacelia purshii</i> Session: PS 16 Seed Production, Dispersal, and Predation https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/79941	MON 8/12 4:30-6:30 PM KICC Exhibit Hall
 UNIVERSITY OF GEORGIA Odum School of Ecology	UGA UGA Odum School of Ecology Mixer All University of Georgia Ecology alumni, faculty, students, and friends attending ESA are invited!	Galt House Hotel, Grand Ballroom C

Tuesday, Aug. 13		
Peter Groffman, PhD '84 Cary Institute of Ecosystem Studies	1. Ecological homogenization of urban America Session: OOS 7 Novel Ecosystem Dynamics in Human Dominated Ecosystems https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/76410	TUE 8/13 8-8:20 AM KICC M104
Amy Rosemond UGA Odum School of Ecology	2. Beyond blooms: the critical role of terrestrial carbon in uptake and retention of nutrients in freshwater ecosystems Session: OOS 8 Nutrients in Freshwater Ecosystems: From Scientific Session: Innovations to Management https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/76399	TUE 8/13 8:20-8:40 AM KICC M103
Elizabeth G. King UGA Odum School of Ecology	3. Interdisciplinary graduate training for addressing wicked problems Session: COS 22 Education: Pedagogy https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/79135	TUE 8/13 8:40-9 AM KICC L006
A.I. Bento UGA Odum School of Ecology	5. Habitat choice shapes host susceptibility and disease burden Session: SYMP 4 Crossing the Taxonomic Divide in Disease Ecology https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/76463	TUE 8/13 10:10-10:40 AM KICC Ballroom E
Robert L. Richards UGA Odum School of Ecology	6. The effects of experimental manipulation of predator communities on multiple parasites in prey populations Session: COS 34 Disease and Epidemiology I https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/78281	TUE 8/13 3:20-3:40 PM KICC L011/012
Coleman Barrie UGA College of Engineering	15. Investigating subsurface flow on a karstic landscape considering potentiometric surfaces Session: PS 19 Ecological Economics: Resource Management (USSEE) https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/79941	TUE 8/13 4:30-6:30 PM KICC Exhibit Hall
Wednesday, Aug. 14		
Daniel Becker, PhD '17 Indiana University	2. The macroecology of avian competence for <i>Borrelia burgdorferi</i> Session: COS 46 Diseases and Epidemiology II https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/77783	WED 8/14 8:20-8:40 AM KICC L011/012
Douglas R. Leasure, former postdoc University of Southampton	2. Mapping vulnerable populations at high resolution in countries without recent census data: A hierarchical Bayesian approach Session: COS 50 Modeling: Populations https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/77439	WED 8/14 8:20-8:40 AM KICC L013
C. Rhett Jackson UGA Warnell School of Forestry and Natural Resources	5. Riparian denitrification prevents groundwater nitrate from reaching an intermittent blackwater stream Session: COS 43 Biogeochemistry: Biogeo Patterns Along Environmental Gradients https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/79019	WED 8/14 9:20-9:40 AM KICC M111
Scott Raulerson UGA Warnell School of Forestry and Natural Resources	2. Effects of rhododendron removal on summer stream temperatures, southern Appalachian Mountains Session: COS 56 Aquatic Ecology: Streams and Rivers https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/79015	WED 8/14 1:50-2:10 PM KICC M105/106
Katherine Zarada, BS '15 Boston University	3. Breaking down barriers to near term forecasting through the Near Term Ecological Forecasting Initiative (NEFI) Session: COS 64 Education: Tools & Technology https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/80067	WED 8/14 2:10-2:30 PM KICC L004

Wednesday, Aug. 14, cont.		
Daniel G. Streicker, PhD '11 MRC--University of Glasgow Centre for Virus Research	4. Better off dead? Ecological insights on the efficacy of culling and vaccination of vampire bats for rabies control in Latin America Session: OOS 19 Ecological Levers to Improve Human Health https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/76064	WED 8/14 2:30-2:50 PM KICC M103
David W.P. Manning, PhD '15 University of Nebraska at Omaha	5. Shifts in post-dam removal fish communities and body size reduce community-level nutrient excretion rates Session: COS 56 Aquatic Ecology: Streams and Rivers https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/79599	WED 8/14 2:50-3:10 PM KICC M105/106
Gaston (Chip) Small, PhD '10 University of Saint Thomas, Minnesota	6. Phosphorus buildup and loss from garden soils constrains the ability of urban agriculture to recycle nutrients Session: COS 62 Ecological Economics: Agriculture / Natural Resources (USSEE) https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/78434	WED 8/14 3:20-3:40 PM KICC M101/102
Jacob Allgeier, PhD '13 University of Michigan	6. Individual behavior drives ecosystem function and the impacts of harvest Session: COS 63 Ecosystem Function: Biodiversity https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/78788	WED 8/14 3:20-3:40 PM KICC L006
Scott Oswald SREL/UGA Warnell School of Forestry and Natural Resources	9. Stored carbohydrate responses in trees to chronic differences in soil moisture Session: COS 68 Phenology https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/78763	WED 8/14 4:20-4:40 PM KICC L015/019
Gabriel W.D. Ferreira Savannah River Ecology Lab	11. Growth and biomass allocation during early loblolly pine development as influenced by fertilization and herbicide Session: PS 33 Biogeochemistry https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/80062	TUE 8/13 4:30-6:30 PM KICC Exhibit Hall
Thursday, Aug. 15		
S. Kyle McKay, PhD '14 US Army Corps of Engineers	1. EcoRest: an R package for rapid assessment habitat modeling to inform ecosystem management and restoration Session: COS 79 Modeling II https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/79819	THU 8/15 8-8:20 AM KICC L013
Nina Wurzburger UGA Odum School of Ecology	1. The rise and fall of N fixation following disturbance OOS 223 Not a Quick Fix: The Ecology and Evolution of Symbiotic Nitrogen Fixation in a Complex World https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/76314	THU 8/15 8-8:20 AM KICC M104
Hannah Morris UGA Warnell School of Forestry and Natural Resources	2. Multiple stressors in maritime live oak forests: The effect of herbivory, drought, and land use legacies on <i>Quercus virginiana</i> and <i>Q. geminata</i> seedlings Session: COS 78 Herbivory https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/79862	THU 8/15 8:20-8:40 AM KICC L015/019
Micah Copeland Miles UGA Warnell School of Forestry and Natural Resources	3. Patterns of amphibian and reptile distributions across an urban to rural gradient within the Santa Monica Mountains National Recreation Area Session: COS 83 Urban Ecology (USSEE) https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/77459	WED 8/14 9:20-9:40 AM KICC M101/102

Thursday, Aug. 15, cont.		
Sabrie Breland, MS '15 Michigan State University	5. Agricultural land-use legacies affect plant-pollinator network structure after forest restoration Session: COS 81 Plant-Insect Interactions I https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/78933	THU 8/15 9:20-9:40 AM KICC L016
Angela K. Burrow UGA Warnell School of Forestry and Natural Resources	6. The contribution of wetland succession to declines of threatened amphibians in the longleaf pine ecosystem Session: COS 75 Conservation Management II https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/79077	THU 8/15 9:50-10:10 AM KICC L007/008
Elizabeth A. Hamman, PhD '17 East Carolina University/ Radford University	6. A random effects model for size-structured predator functional response models Session: COS 82 Statistics https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/79512	THU 8/15 9:50-10:10 AM KICC L010/014
Mitchell Pavao-Zuckerman, PhD '03 University of Maryland	7. Quantifying the ability of urban trees and forests to mitigate stormwater runoff in the Chesapeake Bay watershed Session: COS 83 Urban Ecology (USSEE) https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/80188	THU 8/15 10:10-10:30 AM KICC M101/102
Andrew Mehring, PhD '12 Doñana Biological Station	9. The role of predation by waterbirds in moderating wetland greenhouse gas emissions Session: COS 72 Biogeochemistry: Linking Community Structure and Ecosystem Function II https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/79499	THU 8/15 10:50-11:10 AM KICC M111
Kelly Lane-de-Graaf, former postdoc Fontbonne University	7. Population genetics, disease dynamics, and environmental racism: A look at urban raccoons Session: COS 91 Ecological Economics: Selected Topics (USSEE) https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/79427	THU 8/15 3:40-4 PM KICC M101/102
O. Stribling Stuber, MS '13 Joseph W. Jones Center at Ichauway	9. Comparing species-specific water use during and after severe drought in a longleaf pine ecosystem Session: COS 93 Physiology 1 https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/79764	THU 8/15 4:20-4:40 PM KICC L015/019
Alexandra Kenna UGA Odum School of Ecology	76. Invertebrate herbivory rates of four tree species in response to soil warming Session: PS 57 Forests Temperate https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/79753	THU 8/15 4:30-6:30 PM KICC Exhibit Hall
Friday, Aug. 16		
Michael J. Strand UGA Entomology	2. Microbial communities strongly influence development and vector competency of mosquitoes SYMP 15 Complex Disease Problems across Scales: Perspectives on Advancing Disease Ecology with Trans-Disciplinary Research https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/76302	FRI 8/16 8:30-10:30 AM KICC Ballroom D
Callie Oldfield UGA Plant Biology	65. Soil CO2 efflux elevated 6 years post-wind disturbance and salvage logging PS 71 Climate Change https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/81279	FRI 8/16 8:30-10:30 AM KICC Exhibit Hall
Carson Bowers UGA Entomology	98. Cover crops for pest management: Linking habitat to predator community structure and function PS 75 Ecosystem Function https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/81295	FRI 8/16 8:30-10:30 AM KICC Exhibit Hall

Friday, Aug. 16, cont.

<p>Jason M. Schmidt UGA Entomology</p>	<p>109. Molecular unscrambling of cotton food webs: Implications of biotic and abiotic environmental conditions PS 77 Ecosystem Services Assessment https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/81353</p>	<p>FRI 8/16 8:30-10:30 AM KICC Exhibit Hall</p>
<p>Felise Wen UGA Plant Biology</p>	<p>158. Resistance of <i>Quercus alba</i> and <i>Liquidambar styraciflua</i> to mechanical wind disturbance PS 84 Forests https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/81354</p>	<p>FRI 8/16 8:30-10:30 AM KICC Exhibit Hall</p>
<p>Daniel J. Sullivan UGA Warnell School of Forestry and Natural Resources</p>	<p>196. How prevalent is brood parasitism in wild turkeys (<i>Meleagris gallopavo</i>)? PS 90 Population Dynamics https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/81247</p>	<p>FRI 8/16 8:30-10:30 AM KICC Exhibit Hall</p>
<p>Lucia Mochi, visiting scholar Universidad de Buenos Aires</p>	<p>198. Woody encroachment: Seed-seedling conflicts in neotropical savannas dominated by Acacia PS 90 Population Dynamics https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/81151</p>	<p>FRI 8/16 8:30-10:30 AM KICC Exhibit Hall</p>
<p>Mackenzie J. Dix Savannah River Ecology Lab</p>	<p>4. Calibration approach influences sapflow estimates Session: COS 107 Physiology II https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/78273</p>	<p>FRI 8/16 9-9:20 AM KICC L015/019</p>
<p>Akanksha Sharma UGA Odum School of Ecology</p>	<p>10. A framework for exploring aquatic and riparian connectivity: Case study of the Chiricahua leopard frog in the Cienega Creek basin Session: COS 10 Habitat Structure, Fragmentation, Connectivity https://eco.confex.com/eco/2019/meetingapp.cgi/Paper/80505</p>	<p>FRI 8/16 11:10-11:30 AM KICC L013</p>