

THURSDAY

		202-204	206-208	102-103	104-105	
THURSDAY	MORNING POSTER SESSION [Odd #s]	8:00-9:15				
	Lightning Talks (8950, 10148, 10180, 9776, 9710)	9:20-9:45				
	BREAK	9:45-10:00				
		10:00-10:15			SYMPOSIUM: Biodiversity in Peril	
	ORAL PRESENTATION SESSIONS / SYMPOSIA / WORKSHOPS	10:15-10:30			10-10:05. Introduction	WORKSHOP (10-11): Honey I Blew Up the Molecules: 3D Printing as a Multi-faceted and Multi-disciplinary Pedagogical Practice
		10:30-10:45			10:05-10:20 Loss of Biodiversity in Protected Lands Due to Removal of Natural Disturbances	
		10:45-11:00			10:20-10:35 Tracking the response of imperiled populations of <i>Vaccinium macrocarpon</i> to ecological restoration activities as a metric for restoration success in the Southern Appalachian hot ecosystem.	
		11:00-11:15			10:35-10:50 Evaluating spatial errors in Global Biodiversity Information Facility Data and its impacts on biodiversity assessments	
		11:15-11:30			10:50-11:05. Biodiversity and Habitat Loss in a Lowland Caribbean Forest of Costa Rica	
		11:30-11:45			11:05-11:30 Discussion	
	LUNCH	11:45-1:30				
				SYMPOSIUM: Inclusive Teaching Practices Through the HHMI IES Program	SYMPOSIUM: Tree-ring Science for Ecosystem Management	
	ORAL PRESENTATION SESSIONS / SYMPOSIA / WORKSHOPS	1:30-1:45		1:30-1:35 Introduction	1:30-1:35 Introduction	WORKSHOP (1:30-4): After Graduation: Delving into Post-Baccalaureate Options and Graduate School Applications. --Hosted by ASB's Human Diversity Committee
		1:45-2:00		1:35-1:50. HHMI Inclusive Excellence at Dalton State College	1:35-1:50. Spatial Clustering of Fire Activity in Central Appalachian Pine-Oak Forests Since the Coal Boom Era	
		2:00-2:15		1:50-2:05. Review and Reflections on Georgia Gwinnett College's Participation and Progress in the HHMI Inclusive Excellence 3 Project.	1:50-2:05. Temporal and Spatial Patterns of Tree Invasion in a Shale Barren, Ouachita Mountains, Arkansas, USA	
2:15-2:30			2:05-2:20. Building capacity for inclusive excellence in STEM through faculty development, student agency and engagement, and curricular change	2:05-2:20. Tree-ring and sediment analyses reveal processes of bald cypress ghost forest formation from dredging in the Cape Fear River, North Carolina, USA		
2:30-2:45			2:20-2:35. An Inclusive Teacher Training Program for Peer-Teachers	2:20-2:35. Tree-ring Science Supports Carbon Assessments at Southeastern US Marine Corps Installations		
2:45-3:00				2:35-2:50. Floodplain Forest Tree Growth in Relation to Baseflow and Stormflow in Local Rivers		
3:00-3:15			2:35-3:15. Discussion	2:50-3:15. DISCUSSION		
Lightning Talks (10358, 9673, 9908, 9861, 10446)		3:20-3:45				
AFTERNOON POSTER SESSION (Even #s)	3:45-6:00					

FRIDAY

FRIDAY	MORNING POSTER SESSION [Odd #s]	8:00-9:15			SYMPOSIUM: Old Growth Communities in the Southeastern US. What have we learned and how do we find them?	
	Lightning Talks (9591, 9946, 9763, 10098, 9912, 10362)	9:20-9:50			8-8:30. The Struggle to Define Old Growth 8:30-9. Classifying, inventorying, and mapping mature and old-growth forests in the United States 9-9:30. Vertical Grasslands at the Gap: Exploring Old-Growth Cliffside Grasslands at Cumberland Gap National Historical Park, Lee County, Virginia	
	BREAK	9:50-10:00			9:30-10. Knee-deep in the Ecology of Old-Growth Bottomland Hardwood Forests	
			TRIBETA SESSION 1	SYMPOSIUM: QuillCon III: Systematics, Evolution, and Conservation of Isoetes		
	ORAL PRESENTATION SESSIONS / SYMPOSIA / WORKSHOPS	10:00-10:15	Investigating the interplay between TLR4 signaling and AHR activity in small intestinal epithelial cells: implications for necrotizing enterocolitis		10-10:05. Introduction	
		10:15-10:30	Implications of Memory Performance on Cerebellar Vermis Activation		10-05-10:20. Theory and implementation of species concepts in Isoetes	10-10:30. Break
		10:30-10:45	Characterizing the signaling pathway for intrinsic photoreponses in the vertebrate iris	10:20-10:35. Paired morphologic and genetic studies of Isoetes piedmontana diversity in Georgia, U.S.A.		10:30-11. Techniques for Identifying Old-Growth Forest in the Southern Blue Ridge Mountains
		10:45-11:00	Adenoviral Protein E4 11k's Role in the Inhibition of the DNA-PK-dependent DNA Damage Response	10:35-10:50. Thinking Outside the Box - Homoploid Hybridization and Animal Dispersal in Isoetes lithophila		
		11:00-11:15	Investigating the Effects of Extracellular Potassium Concentration on the Expression of Inflammatory Signaling Pathways by Microglia	10:50-11:05. Untangling the web: Using Hy5Seq to resolve the Isoetes phylogeny		11-11:30. Identifying Old Growth Forests in the Southern Blue Ridge Mountains
		11:15-11:30	Activation of CCKLR-1/7D1 Neurons in the Drosophila Antenna in Response to Odorant Exposure	11:05-11:20. Seeing the forest through its phylogenetic trees: uncovering the Carboniferous origins of Isoetes using phylogenetics and the fossil record		
		11:30-11:45	TriBeta and NMDP: A Life-Saving Partnership	11:20-11:35. CAM-photosynthesis in aquatic lycophytes is an adaptation to low CO2 levels		11:30-12. Landscape patterns in southern Appalachian forests: How do mature and old growth forests differ, and what does that mean?
		LUNCH	11:45-1:30		11:35-11:50. Advancing Isoetes Conservation Through Ex Situ Collections and Germination Research in the Southeast 11:50-12:05. Isoetes and the U.S. Endangered Species Act: Science, Policy, and Conservation 12:05-12:30. Discussion	
			TRIBETA SESSION 2	TRIBETA SESSION 3		
	ORAL PRESENTATION SESSIONS / SYMPOSIA / WORKSHOPS	1:30-1:45	MIG6 as an Inhibitor of the Alternative Resistance Mechanism of EGFR/HER2 Heterodimerization in HER2+ Breast Cancer	On the Taxonomy of Didemno (Gastropoda: Vetigastropoda: Skeneidae s. l.)		1:30-2. LiDAR and the quest for Old-Growth Forests: Promises and Shortcomings
		1:45-2:00	Examining the Antimicrobial Activity of Azelaic Acid Against SKAPE Pathogen Relatives as a Mono- and Combination-therapy	Using principal component analysis to understand spatial distributions of terrestrial mammals across sites in Upstate South Carolina		
		2:00-2:15	Investigating the Role of FOXJ3 and EMT in Advanced Prostate Cancer	New Records of Spider Wasps (Hymenoptera: Pompilidae) of Great Smoky Mountains National Park		2-2:30. Break
		2:15-2:30	FOXJ3 Regulation of Prostate Cancer Cell Behavior in the Bone Microenvironment	Preliminary Survey of Insect Biodiversity at Cypress Grove Nature Park, TN		
		2:30-2:45	A Bioinformatics Approach for the Identification and Study of Novel Genes in Alzheimer's Disease, Using Zebrafish as a Disease Model	Two Invading Ant Species Affect Biodiversity in Longleaf Pine Ecosystems		2:30-3. Integrating forest inventory, remote sensing, and ecosystem modeling for old-growth mapping
		2:45-3:00	The Role of Adenovirus Protein E4 11k in P Body Protein Relocalization	Establishment of the Invasive Zebra Mussel (<i>Dreissena polymorpha</i>) in Multiple Alabama Reservoirs.		
		3:00-3:15				3-3:30. Simulating Mature and Old Growth Forest with Associated Lidar Waveforms in four CONUS Study Sites
Lightning Talks (9865, 9834, 10336, 9864, 9785)		3:20-3:45				
AFTERNOON POSTER SESSION (Even #s)	3:45-6:00			3:30-5. Panel Discussion		