FRIDAY

	Salem Ballroom 2/3 [Exhibit Hall]			Winston Ballroom 1 A	Winston Ballroom 1 B	Winston Ballroom 1 C	Winston Ballroom 2	Winston Ballroom 3 A	Winston Ballroom 3 B	Winston Ballroom 3 C		Salem Ballroom 1 A	Salem Ballroom 1 B	Salem Ballroom 1 C
FRIDAY	MORNING POSTER SESSION (Odd #s)		8:00 - 8:15								8:00 - 8:15			
			8:15 - 8:30								8:15 - 8:30			
			8:30 - 8:45								8:30 - 8:45			
			8:45 - 9:00								8:45 - 9:00			
		Lightning Talks (7774,7216,7788,7503,8005)	9:00 - 9:15								9:00 - 9:15			
			9:15 - 9:30								9:15 - 9:30			
			9:30 - 9:45								9:30 - 9:45			
			9:45 - 10:00				Introduction/Welcome				9:45 - 10:00			
				MICROBIOLOGY A		PLANT COLLLECTIONS AND HERBARIA	SYMPOSIUM: Conservation, Natural History, and Systematics of Crayfishes - a Southeastern perspective.			ECOLOGY: ECOSYSTEMS & LANDSCAPES A		ANIMAL: BEHAVIOR	ANIMALS: ENTOMOLOGY A	ECOLOGY: POPULATIONS
	ORAL PRESENTATION SESSIONS / SYMPOSIA / WORKSHOPS		10:00 - 10:15	Structural insights into the development of small-molecule inhibitors targeting the classical pathway of complement	ESRI Panel Discussion: Career Pathways for Applied Environmental Scientists (10-10:50)	The historical distribution of an incipient invasive fern, Cyrtomium fortunei, in the eastern United States.	Natural history and ecology of the slender crayfish (Faxonius compressus): an ecosystem engineer in the Western Highland		Honey I Blew Up the Molecules: 3D Printing as a Multi-faceted and Multi-disciplinary Pedagogical Practice WORKSHOP	A Multifactor Assessment for Determining the Impact of Anthrophonic Noise in Rural Areas across Upstate South Carolina	10:00 - 10:15	Effect of Diet on Adult-Egg Cannibalism and Gut Microbiome in Red Flour Beetles	Predictive Species Distribution Modeling of Molluscan Agricultural Pests to Assess the Probability of Future Invasions in the United States in a Rapidly Changing Global Climate	The Leftovers: A four year study of green ash (Fraxinus pennsylvanica) decline due to the emerald ash borer in a NC piedmont swamp forest
			10:15 - 10:30	The fitness consequences of genetic variation for Trichogramma kaykai infected with parthenogenesis inducing Wolbachia		A Vascular Flora of the Walls of Jericho in Jackson County, Alabama	Crayfish invaders and their relationship with native symbionts			Cattle pastures as carbon sinks: an analysis of tree carbon, beef production, and woody species diversity in temperate and tropical pastures	10:15 - 10:30	Exploring Spider Wasp (Hymenoptera: Pompilidae) Diversity in Cypress Grove Nature Park	Anthocyanins modulate feeding behavior and development in Drosophila melanogaster	Genetic divergence between common and marsh partridge peas (Chamaecrista fasciculata) reflects their distinct ecologies and histories
			10:30 - 10:45	Alveolates (dinoflagellates, ciliates and apicomplexans) and Rhizarians are the most common microbial eukaryotes in temperate		Diervilla (bush-honeysuckle, Caprifoliaceae) contains three species based on morphology and RAD sequence analysis but is prone to cross-	Life History of Pristine Crayfish, Cambarus pristinus			Species differences in dune building capacity	10:30 - 10:45	Digital Reconstruction of the Bony Labyrinth of Dipsalidictis krausei: Anatomy and Functional Morphology	New Wasp Records from the Ichneumonid Subfamily Cryptinae in Great Smoky Mountains National Park	Ecological Niche Modeling for the Identification of Suitable Habitat of Dusky Arion (Arion subfuscus: Arionidae)
			10:45 - 11:00	Surveillance for antibiotic-resistant E.coli in wildlife feces from areas disturbed by agricultural and residential land uses in Appalachian Kentucky		New evidence about Michaux's plant introductions	Effect of an introduced crayfish on the native symbionts inhabiting native crayfish			Variability & Elevation Drive Changes in Plant Community & Belowground Biomass in Coastal Dunes of the Outer Banks	10:45 - 11:00	Intrinsic and extrinsic factors predict local recruitment and natal dispersal distance in a resident passerine, the Eastern bluebird (Sialia sialis)	Multi-locus molecular phylogeny of the cricket-assassin wasps (Hymenoptera: Rhopalosomatidae)	The Good, the Bad, and the Ugly: Predictive niche modeling of pests and pathogens of major US crop commodities
			11:00 - 11:15	Investigation of the effects of novel anti-biofilm compounds on biofilm production in Staphylococcus aureus Nor-A wild-type and mutant strains	Spatial Analytics Workshop with ArcGIS Pro and ArcGIS Online	Quantifying the National Park Herbarium Specimens at the University of Tennessee at Chattanooga Herbarium (UCHT)	Exploring limitations of single methodology approaches to species delimitation and phylogenetics of			Conservation of shrubland birds in working landscape	11:00 - 11:15	An open-source tool for conducting high-fidelity vibrational playbacks	Using DNA Barcoding to Identify High Priority Taxa (Hymenoptera: Ichneumonidae) in Great Smoky Mountains National Park	Predictive Distribution Modeling of Chrysodeixis chalcites (Tomato Looper)
			11:15 - 11:30	Is Spider Silk Antibacterial? The Bacteria and Hygiene Aspects of Spider Webs			Documenting Early Life History Strategies of the Conhaway Crayfish			Using a collaborative research network to explore tree use by foraging sapsuckers (Sphyrapicus spp.), a keystone taxon, across diverse landscapes	11:15 - 11:30	A Not So Silent Night: Anthropogenic Noise and its Impact on Bats and Insects	Color and Habitat Preferences of Pollinators at Cypress Grove Nature Park	Estimates of online content reveal bias against amphibians and reptiles, especially those in decline
			11:30 - 11:45	Cannabinoids Attenuate Inflammation Associated HIV-1 Reactivation			Ecology of the Lean Crayfish, Cambarus strigosus (Decapoda: Cambaridae)			The potential for conservation grazing in coastal uplands of the northern Gulf of Mexico coast	11:30 - 11:45		Urban Forensic Entomology: The Case of the $12,000,000 Ant Colony	
		LUNCH	11:45 - 12:00				Habitat associations and movement biology of the Big Sandy Crayfish (Cambarus callainus), assessed via radiotelemetry				11:45 - 12:00			
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				GENETICS AND CELL & MOLECULAR BIOLOGY A		ECOLOGY: FRESHWATER	SYMPOSIUM: Conservation, Natural History, and Systematics of Crayfishes - a Southeastern perspective.			ECOLOGY: CONSERVATION A		PLANT FLORISTICS	ANIMALS: HERPETOLOGY	ECOLOGY: COMMUNITIES A
		ORAL PRESENTATION SESSIONS / SYMPOSIA / WORKSHOPS	1:15 - 1:30	Resolving evolutionary relationships in the ragworts: phylogenomics, divergence time estimates, and biogeography of Packera		Uses of Diatom Community Analyses in Streams with Legacy Agricultural Uses in Middle Georgia	Tagging Method for Future Propagation and Release of the Imperiled Big Sandy Crayfish			Mycorrhizal Associations Found With the Native Venus Flytrap	1:15 - 1:30	A Floristic Checklist of Shenandoah River State Park, Warren County, Virginia	Salamander Movement Propensity Resist Effects Of Supraseasonal Drought	High grass density aids in the survival of Morella cerifera on Hog Island, VA
			1:30 - 1:45	A meta-analysis to determine if concentrated animal feeding operations cause increased antibiotic resistance in the environment	NSF research and training opportunities for biologists	Analysis of fecal bacteria in the Wheeling Creek watershed	Seasonal Microhabitat Use by Brawleys Fork Crayfish, Cambarus williami, a Tennessee State	Hitting the Ground Running with Your Graduate School Applications --Hosted by ASB's Human Diversity Committee	SISRIS: Supporting Inclusive and Sustainable (collections-based) Research WORKSHOP	Stuck in a rut: habitat characterization of critically imperiled Ludwigia ravenii (Onagraceae)	1:30 - 1:45	Taxonomic, conservation, ecological, morphological, and reproductive analysis of 4500 plant species of the interior Southeast US.	Investigating summer occupancy of small terrestrial salamanders (genus Plethodon) in the Southern Appalachian Mountains	Rock Climbing Effects on Lichen Species Richness and Diversity on Boulders
			1:45 - 2:00	Effect of PDE5A on Left Ventricle Function Following Arteriovenous Fistula Creation		Analysis of Cyanobacterial Community Composition in Podostemum ceratophyllum	The role of disease in the rapid expansion of an invasive crayfish			Distribution and habitat associations of the Shenandoah Mountain salamander, Plethodon virginia	1:45 - 2:00	Moderate windthrow and salvage logging do not alter herbaceous diversity or composition in long-term study of Tennessee coastal plain forest	Quantifying Habitat Parameters for the Southern Appalachian endemic, Plethodon welleri	Description of Tsuga caroliniana Engelm. communities in the southern Appalachian Mountains of western North Carolina, USA
			2:00 - 2:15	The role PVR, a growth factor receptor, plays in thermal nociception in Drosophila		Water-level Fluctuation Effects on Yellow Perch Reproduction in a Hydropower Reservoir	Systematic de-complexing of a widespread crayfish species complex			Understanding the significance of soil microbiome and salinity in the growth of Spartina alterniflora	2:00 - 2:15	Progress toward the Second Edition of the Guide to the Vascular Plants of Tennessee.	Developing a Predictive Geospatial Habitat Model for a Rare Species of Salamander in TN: A Case Study for the Green Salamander (Aneides aeneus)	Ground Layer Vegetation Response to Oak Regeneration Treatments in Southern Appalachian Forests
			2:15 - 2:30	In vivo characterization of synthetic Notch signal transduction		Conservation amid the RCRA/CERCLA remedial process	Conservation and Taxonomic Assessment of an Undescribed Crayfish Species in Coastal Virginia			Disturbance and Diversity: Lessons from Lichen Richness	2:15 - 2:30	The significance of small parks for preserving rare plant populations and maintaining regional biodiversity	Interactive Effects of Hatching Variability and Experimental Warming on Larval Wood Frogs (Rana sylvatica)	Thistle come as no surprise, invasives exploit native pollinators: comparing the reproductive success of an invasive and native thistle in the subtribe Carduinae (Asteraceae)
			2:30 - 2:45	Antiviral Potential of Fungal Endophytic Compounds against Adenovirus 5		Analyzing Basic Morphometrics to Aid in Taxonomy of Federally-Listed Mussels from the Pea River Watershed in Southeast Alabama	An Investigation of Underestimated Diversity in Faxonius placidus, F. forceps, and F. durelli.			Inverse settlement patterns of oyster spat (Crassostrea virginica) and barnacles (Chthalmalus fragilis) at two southern Georgia salt marshes	2:30 - 2:45	A reevaluation of seed features as a taxonomically valuable feature for leipdote species of Rhododendron	Evaluation of Nutritional and Health Status in Captive Eastern Indigo Snakes (Drymarchon couperi) in Response to Formulated Sausage Diet	Ecosystems in Transition: An Assessment of Plant Community Change in Pond Pine Pocosins in Coastal North Carolina
			2:45 - 3:00	Impact of Differentially Expressed Genes in Monoclonal and Polyclonal Plantings of Populus deltoides for Agricultural Nitrogen Mitigation		Land use across eastern North America is reflected in the elemental composition of the lotic macrophyte Podostemum ceratophyllum	Effect of psychoactive substances on cardiac and locomotory activity of juvenile marbled crayfish Procambarus virginalis				2:45 - 3:00		Bog turtle (Glyptemys muhlenbergii) demography and movement in Shady Valley, Tennessee	Trait Variation of Highbush Blueberry Hybrids and Progenitors across sites in Virginia
	AFTERNOON POSTER SESSION (Even #s)		3:00 - 3:15				Linking physiology and upper thermal limits in crayfish using an adverse outcome pathway approach				3:00 - 3:15			
			3:15 - 3:30								3:15 - 3:30			
		Lightning Talks (7370,7435,7549,8067,7851)	3:30 -3:45								3:30 - 3:45			
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			4:45 - 5:00								4:45 - 5:00			

SATURDAY

	Salem Ballroom 2/3 [Exhibit Hall]			Winston Ballroom 1 A	Winston Ballroom 1 B	Winston Ballroom 1 C	Winston Ballroom 2	Winston Ballroom 3 A	Winston Ballroom 3 B	Winston Ballroom 3 C		Salem Ballroom 1 A	Salem Ballroom 1 B	Salem Ballroom 1 C
SATURDAY	MORNING POSTER SESSION (Odd #s / TriBeta / SERP)		8:00 - 8:15								8:00 - 8:15			
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			8:30 - 8:45								8:30 - 8:45			
			8:45 - 9:00								8:45 - 9:00			
		Lightning Talks (7227,7378,7651,8041,7827)	9:00 - 9:15								9:00 - 9:15			
			9:15 - 9:30								9:15 - 9:30			
			9:30 - 9:45								9:30 - 9:45			
			9:45 - 10:00								9:45 - 10:00			
				MICROBIOLOGY B	Conservation Genetics - Symposium	TRIBETA SESSION 1	SYMPOSIUM: Conservation, Natural History, and Systematics of Crayfishes - a Southeastern perspective	SISRIS: Supporting Inclusive and Sustainable (collections-based) Research Infrastructure for		ECOLOGY: ECOSYSTEMS & LANDSCAPES B		PLANT SYSTEMATICS	ANIMALS: ENTOMOLOGY B	ECOLOGY: PHYSIOLOGICAL
	ORAL PRESENTATION SESSIONS / SYMPOSIA / WORKSHOPS		10:00 - 10:15	Biomarker bacterial taxa from lead-exposed biofilms provides insight into lead-biofilm interactions in premise plumbing pipes	Genetic Diversity Within, and Hybridization Between, Two Imperiled North American Pitcher Plants	Biofilm Inhibition in Escherichia coli and Pseudomonas aeruginosa using Small Molecules as Competitive Inhibitors	Novel use of genomic sequencing for the widespread Depression Crayfish, Cambarus rusticiformis, reveals significant diversity and	Welcome/Overview (10m)	Promoting Student Success Through Implementation of Specifications Grading in STEM Courses	The Effect of Shelter Type, Soil Moisture, and Distance of the Trees to a Water Source on Riparian Restoration Tree Growth	10:00 - 10:15	Quantification of Environmental Niche for Testing Hypotheses of Ecological Isolation in Helianthus Hybrid Species	Improving adult captures of ambrosia beetles using different monitoring tools	Seedling photosynthetic response of six co-occurring species across gap edge light gradient
			10:15 - 10:30	Extracts of plants common in South Carolina exhibit antibacterial effects against ESKAPE pathogens	Genetic Contributions of Hatchery-Stocked Walleye to Douglas Reservoir	Examining Long-Term Antimicrobial Effect of Modified Titanium on Candida albicans for Use in Titanium Implants	To what extent is there a DNA barcoding gap among crayfishes?	Discovering together "who dunnit?": building a borderless knowledge community (20m)		Evaluating existing red spruce data products in West Virginia	10:15- 10:30	A Study of Previously Undescribed Morphological, Cytological, and Molecular Variation in the Eastern North American Flowering Plant, Micranthes virginiensis	Adventures in Beetle Busting: Alternative Methods for the Eradication of Asian Longhorned Beetle in South Carolina	Species-specific thermal stress responses and lethal tolerance limits in freshwater mussels of the Pea River, AL
			10:30 - 10:45	Molecular response of Microcystis in response to elevated levels of hydrogen peroxide.	The Effects of a Past Augmentation on the Fitness of the Federally Endangered Southern Appalachian Endemic Geum radiatum Michx.	Analyzing the role of Hydrogen Peroxide on Honey's Antibacterial Mechanism	Life History of Faxonius obscurus in a Small Appalachian Stream System	Connecting Scientists and their Specimens Through Bionomia (20m)		Using Geospatial Data and Tools to Locate Rivercane	10:30 - 10:45	A Hyb-Seq phylogeny of Boechera and related genera using Angiosperms353 and Brassicaceae764 probe sets	Using eDNA to survey ramp's pollinators	Use of Essential Oils to Influence Betta splendens Agonistic Behavior
			10:45 - 11:00	Elucidating synergistic mechanisms of immune evasion performed by a multifunctional lipoprotein of the Lyme disease spirochete	Conservation genetics in the endangered whorled sunflower Helianthus verticillatus (Asteraceae)	Soil Solutions: Identifying Novel Sources of Antibiotics from Environmental Bacteria	Mapping the Distribution of Native vs. Invasive Crayfish Along an Urbanized Stream	Digital data sleuthing and storytelling as tools to engage students with the unsung heroes of natural history collections (20m)		Investigation of Glacial Relictual Populations of Chestnut Oak in the Piedmont of North Carolina	10:45 - 11:00	Phylogenetic Relationships in Seymeria (Orobanchaceae)	DNA Barcoding to Determine the Occurrence of Exotic and Native Earthworms in Residential Compost Bins in Nashville, TN	The effects of hidden nest ectoparasites on the development of a sexually selected trait in juvenile Eastern Bluebirds.
			11:00 - 11:15	Investigating Protein-Protein Interactions between Bacteriophage Cain and its Host Mycobacterium smegmatis	Assessing the Genetic Diversity and Structure of Gray's Lily (Lilium grayi)	Investigating the bacterial species isolated from commercial probiotic sources	Status of Crayfish Research in Texas	An exception proves the rule: Lena Artz (1891–1976) and her legacy of botanical specimens (20m)		Isolated lizard populations face elevated extinction risk during catastrophic hurricanes	11:00 - 11:15	Leaf variation in maples: Two cryptic varieties of Acer saccharum	Move it Along: Coevolution of Parasite Longevity and Host Morphology	Quantification of Environmental Niche for Testing Hypotheses of Ecological Isolation in Helianthus Hybrid Species
			11:15 - 11:30	Unintended Antibiotic Target: The (Honey Bee) Reproductive Microbiome	Understanding genetic diversity and population genetic structure in western North Carolina American ginseng (Panax quinquefolius)	The effect of dual photosensitizer-mediated photodynamic therapy on glioblastoma cells	Crayfishes of the Delaware River Basin	Delving into the Lives of Herbarium Collectors (20m)		Resource Partitioning of Sympatric Carnivores in Western North Carolina	11:15 - 11:30	Preliminary assessment of the genetic relationships and self-compatibility of species in Lilium L. sect. Leucolirion in the southeastern United States	Intracellular endosymbionts, mitochondria, and temperature in an introduced spider with an expanding northward range	Investigating intrasexual variation in allocation strategies in the moss, Bryum argenteum
			11:30 - 11:45	An Investigation of the Microbial Diversity and Antibiotic Production Potential of Commercial, Pasteurized Kefir and Raw, Goat Milk Kefir	The importance of understanding genetic and clonal structure for species recovery: a case study using federally endangered Sagittaria fasciculata	The effects of Sodium Lauryl Sulfate on KRT1 Gene Expression in Pimephales promelas	The distribution of two imperiled native crayfish (Procambarus braswelli and P. pearsei) and the invasive Red Swamp Crayfish (P.			Are wet canopies moving lots of carbon? Developing new methods to address the assumption that wet canopies are barriers to the atmosphere.	11:30 - 11:45	Locust Pocus: Molecular Tests of Species Delimitation in Robinia of the Southeastern United States	Prevalence of Trypanosoma cruzi in sylvatic populations of Virginia opossum (Didelphis virginiana) and raccoons (Procyon lotor) in Southwest Georgia and Southeast Alabama, and its implications for human health	Below-stump coarse root biomass of mature long leaf and loblolly pine trees grown in Mississippi
		LUNCH	11:45 - 12:00		A tale of two bells: population and clonal structure in the Shortia complex of the Carolinas	Mycosporine-like amino acids: a vital defense mechanism against ultraviolet radiation in the painted sea urchin Lytechinus pictus	The multiple benefits of crayfish burrowing behavior and chimney construction				11:45 - 12:00			
			12:00 - 12:15		Conservation Genetics of Timber Rattlesnake in Western NC: a beginning						12:00 - 12:15			
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				GENETICS AND CELL & MOLECULAR BIOLOGY B	Southeastern Chapter of ESA-sponsored Symposium: Revisiting some of the plants that William Bartram wrote about in his 'Travels' to North Carolina, 1775 and 1776 - SYMPOSIUM	TRIBETA SESSION 2	SYMPOSIUM: Conservation, Natural History, and Systematics of Crayfishes - a Southeastern perspective.	SISRIS: Supporting Inclusive and Sustainable (collections-based) Research Infrastructure for Systematics - SYMPOSIUM	Joro Spider Summit - SYMPOSIUM	ECOLOGY: CONSERVATION B		Scholarship of Teaching and Learning	ANIMALS: HERPETOLOGY	ECOLOGY: COMMUNITIES B
		ORAL PRESENTATION SESSIONS / SYMPOSIA / WORKSHOPS	1:15 - 1:30	Insights into genome evolution and host-symbiont relationships from long-read sequencing of a single feather louse	Plants noted, and not noted, by William Bartram in and near current-day North Carolina	Analyzing the function of Fus1 during cell fusion in Saccharomyces cerevisiae	A new frontier in natural history: How citizen science and online data can aid the efforts of astacologists	Prolific plant collectors and the HBCU legacy: Charles Parker as a case study (20m)	Introduction of the Jorō spider (Trichonephila clavata) to the southeastern U.S.: past, present, and future	Opportunities to conserve insect biomass and diversity in a region of urban sprawl: A systems approach	1:15 - 1:30	Pilot Data from a Coordinated Five-Course Experiential Learning Career Preparation ePortfolio Project	Clay Models and eDNA are Useful Tools to Identify Predators of Salamanders	New insights into the pollination ecology of the federally endangered mustard Physaria globosa.
			1:30 - 1:45	Therapeutic Treatments for Epilepsy in Drosophila Melanogaster	A tale of two Trillium: differences in endemism, life history, and mutualism efficacy in sessile and pedicellate species	Triple Negative Breast Cancer: Investigating the role of the Hippo Pathway in Cellular Proliferation	Brazilian crayfish diversity: an overview and future perspectives	Uncovering hidden figures at the Marshall University Herbarium through inter-disciplinary collaborations (20m)	Range Expansion and the Ecological Impact of the Invasive Jorō Spider, Trichonephila clavata.	Helping Conservationists Easily Identify Sarracenia purpurea var. montana, S. jonesii, and Their Hybrids in the Field.	1:30 - 1:45	Promoting Diversity in STEM through Biodiversity	Some Salamanders are more Gracious Hosts than Others: Differential Parasite Infections in Two Cryptic, Sympatric Species of Dusky Salamander (Desmognathus)	Response of invasive Japanese stiltgrass (Microstegium vimineum) and its associated plant community to management treatments in a residential wetland
			1:45 - 2:00	Unraveling protein interactions involved in chloroplast group IIA intron self-excision in rice.	When do butterflies beat the birds and the bees? Exploring the pollination ecology of southeastern azaleas (Rhododendron spp.; Ericaceae) and beyond	Comparison of mammalian activity between zones of high vs low human traffic bordering a greenway in Raleigh, NC.	Life History, Distribution, and Genetic Haplotype Mapping of the Greenbrier Cave Crayfish (Cambarus nerterius)	Uncovering hidden figures at the Marshall University Herbarium through inter-disciplinary collaborations (20m)	What iNaturalist can tell us about Joro spiders and what Joro spiders can tell us about iNaturalist	Recent shelterwood harvests promote breeding bird diversity and shrubland birds for less than 10 years in eastern hardwood forests	1:45 - 2:00	How can undergraduate science programs benefit by working with state Adopt-A-Stream Organizations?	Seeing the Forest for the Trees: Impacts of Woody Understory Vegetation Removal on Rock Outcrops Used by Crevice-Dwelling Salamanders	An ecological study of a South Carolina salt marsh
			2:00 - 2:15	Drought stress response revealed by differential gene expression for two African acacia species	Liriodendron tulipifera: from Bartram's Travels to Changing Forest	Relationship between beak anatomy and bite force in Northern Cardinals (Cardinalis cardinalis)	Developing evaluation methods for the first detection of white spot syndrome virus in Alabama crayfish	Strategies to enhance and sustain an established cyberinfrastructure (20m)	Joro spider research in Atlanta Georgia in the invaded region, and in Japan and Korea the native region	Establishing Least Cost Corridors for Wildlife Safe Passage On Interstate 40 Near the Wilkins Creek Tract.	2:00 - 2:15	iNaturalist: The Indefinitive Dummies Guide to a Smartphone App	Weather Driven Movement Patterns of Semi-Aquatic Water Snakes, Regina septemvittata and Nerodia sipedon sipedon	Growing nestlings of an aerial insectivore show differential developmental sensitivity to environmental variation
			2:15 - 2:30	Triple Negative Breast Cancer: Investigating the role of the Hippo Pathway in Cellular Proliferation	Current Ecology of Rivercane in Riparian Restoration	Microbial Soil Biodiversity of Lander University's Campus	Updated distributions and habitat associations of South Carolina's Distocambarus (Decapoda:		Mud dauber wasps and Jorō spiders: Natural enemies in the United States	Partners for Agricultural Innovation and Sustainability: Fostering Collaboration in West Alabama and East Mississippi through Education and Outreach	2:15 - 2:30			Changing spring phenology and freezing risk for native trees under changing climates
			2:30 - 2:45	Stilbene compounds reduce cell motility of triple-negative breast cancer cells through regulation of epithelial-to-mesenchymal transition related genes	Cane on his brain: Bartram's observations of Arundinaria spp.	The Effect of Floral Morphology on Pollination in Two Lilium Species	Crayfishes of the Susquehanna River Basin in Pennsylvania		Preliminary genetic analyses of the introduction of Trichonephila clavata in Georgia, USA.	Effects of Planting Rate on Pinus palustris Plantations: Tradeoffs Between Timber and Habitat Quality	2:30 - 2:45			Climatic Influences on Phlox buckleyi Populations in Shenandoah National Park
			2:45 - 3:00			A test of the threat sensitivity hypothesis in domestic versus wild mice (Mus musculus)	Cambarus longulus: A History of the Species and New Discoveries		Molecular analysis of Joro spider gut contents and web carcasses to reveal trophic interactions		2:45 - 3:00			You're Stressing Me Out: Native Tree Response to Extreme Heat
	AFTERNOON POSTER SESSION (Even #s)		3:00 - 3:15				set up for banquet		BREAK		3:00 - 3:15			
			3:15 - 3:30						ROUNDTABLE		3:15 - 3:30			
		Lightning Talks (7328,7397,7753,8114,8130)	3:30 -3:45						ROUNDTABLE		3:30 - 3:45			
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