

Southeast Regional SICB 2021 Meeting Schedule, Saturday November 6th, 9:00am - 4:30pm EST, Zoo Atlanta, Atlanta, GA

Version 1, Updated 10/24/21			
Talks are 5 minutes long + 2 minutes for questions			
Start Time	Talk #	Speaker	Title
9:00	0	Conference Organizers	Welcome to Conference
Morning Talks Session 1			Under the Sea: Biomechanics & Behavior Underwater
9:07	1	Nicole Hellessey	Antarctic krill (<i>Euphausia superba</i>) kinematics in relation to chemical and physical stimuli
9:14	2	Melissa Ruszczyk	Metachronal Stroke Kinematics of <i>Euphausia pacifica</i>
9:21	3	Jacob Saunders Harrison	Starting to snap: the development and kinematics of spring-driven strikes in juvenile snapping shrimp
9:28	4	Chase Kinsey	Predator-mediated selection on metamorphic <i>Xenopus</i> tadpoles
9:35	5	Kuvvat Garayev	SCHOOLING RESPONSE OF ANTARCTIC KRILL (<i>EUPHAUSIA SUPERBA</i>) UNDER VARIOUS LIGHT AND FLOW CONDITIONS IN AN ANNULAR FLUME
9:42-9:52	COFFEE BREAK		
Morning Talks Session 2			Morning Talks Session 2: Urban Wildlife Research
9:52	6	Calvin So	Macroevolutionary patterns in early tetrapod skull shape and the putative role of miniaturization in amphibian evolution
10:00	7	M. Ellesse Lauer	Temporal variation in DNA methylation of TLR promoters across an introduction of house sparrows in Illinois using targeted EM-seq
10:07	8	Emma Simpson	Genetic Characteristics of the Bluetail Mole Skink and Florida Sand Skink in Florida Scrub
10:14	9	David Tevs	Lizards on a lane: use of natural surface roadways by Florida Scrub herpetofauna
10:21	10	David Munteanu	Influence of Phylogeny and Locomotor Mode on Caniform Astragali
10:28	11	Jonathan Rader	Morphological modularity and evolution of avian wing shape
10:35-11:05	BREAKOUTS	3 Rooms	Morning Breakout Session
	Room 1:	Carly York, David Hu	Science Communication
	Room 2:	Joe Mendelson, Andrew Schulz	Doing Research with a Zoo
	Room 3:	Graduate Students	K-12 Outreach?
11:05-11:15	COFFEE BREAK		
Morning Talks Session 3:			Research with Zoos and Conservation
11:15	12	Tobias Landberg	Building Career Bridges for Biologists through Conservation Research
11:22	13	Megan Wright	Independent loss of cloacal bursae and age-dependent surfacing postures in diamond backed terrapins (<i>Chelonia</i> : <i>Emydidae</i> : <i>Malaclemys terrapin</i>)
11:29	14	Greg Walth	(tentative) 3-dimensional reconstruction of animal limbs using stored DICOM radiography images
11:36	15	Victor M. Ortega-Jimenez	Flamingos' Feeding hydrodynamics
11:43	16	Connor Pogue	Escape Performance and Desiccation Rates in <i>Copea</i> 's Grey Tree Frog
11:50	17	Andrew Schulz	Metamorphs: Is Bigger Always Better?
11:50	17	Andrew Schulz	Elephant Stuff
12:00 - 14:00	LUNCH	Zoo ATL	Zoo Atlanta Self Guided Tours
Afternoon Session 1:			Afternoon Session 1: The Smaller the Better: Insects, C. Elegans, and Cells
2:00	19	Varun Sharma	Memory Formation in Hover-Feeding Hawkmoths
2:07	20	Thomas Day	Cell packing, maximum entropy, and the origin of heritability
2:14	21	Joshua Pulliam	Hold on tight: How friction influences climbing in cicada nymphs and adults
2:21	22	Lucinda Peng	Viscoelastic gel environments induce aperiodic undulation in the nematode <i>C. elegans</i>
2:28	23	Eva Erickson	Centipede locomotion in complex environments
2:35-2:45	COFFEE BREAK		
Afternoon Session 2:			The Smaller the Better: Insects, C. Elegans, and Cells (Continued)
2:45	24	Kelimar Diaz	Water surface swimming dynamics in a centipede
2:52	25	Christopher Pierce	Neuromechanical Phase Lags in the Nematode <i>C. elegans</i>
2:59	26	Andrew Dickerson	Landing mosquitoes bounce
3:06	27	Hungtang Ko	Hungtang
3:15-3:30	Break to Prepare for Poster Session		
3:30-4:30pm	Poster Session		
5:00pm	Post Conference Social		

Afternoon Poster Session - ARC Main Room

Poster Number	First Author	Co-Presenters	Title of Presentation
P1	Justin Jorge		Taking a swing at measuring small-scale, high acceleration impacts: a modular two-pendulum approach
P2	Jason Dinh		Positive allometry and exaggeration of sexually selected weapons are driven by metabolically inexpensive exoskeleton
P3	Soohwan Kim		Kimchi fermentation in permeable Korean earthenware Onggi
P4	Grace Hansen		Fox Rabies Biscuit Device at Georgia Tech
P5	Margaret J Zhang	Nima Jadali	Wild European Badger Vaccination Box
P6	Nelson Jiang	Charles L Finn	Material Properties of Earwax Deter Ants and Aid in Self-Cleaning
P7	Madeline Boyle		Asymmetric elongation of the Trunk to the Skin
P8	Maggie Keller		The Effects of the Lateral Line System on Prey Acquisition Behaviors in the African Clawed Frog, <i>Xenopus laevis</i>
P9	Emma Elise Throneburg		The Behavioral Effects of Integrating a New Male into an Established Herd of African Elephants (<i>Loxodonta africana</i>)
P10	Emily Blandford		Flight Kinematics of <i>Manduca sexta</i> Pre- and Post- Antennectomy
P11	Eli Bradley		The Evolution of the Avian Hand-wing
P12	Laura Mendez		Are black skimmers using tailwinds to forage over the water?
P13	Sonja Friman		Surfing Birds - How birds interact with vortex wakes
P14	Sanjib Gurung		<i>Daphnia magna</i> distribution under the Influence of Langmuir circulation
P15	Elliot Willner	Leo Hollingsworth, Keyana Komilian, Leo Hollingsworth, Mathias Hadgu	Fire Ant Raft Exploration
P16	Andrew Schulz		Low-Cost and Open Source Modular GPS Trackers for Research and Conservation
P17	Xander Sahin		Creating Elephant Trunk Skin Mimics to design new bio-inspired materials