

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

Version 3, Updated 11/2/21			
Talks are 5 minutes long + 2 minutes for questions			
Start Time	Talk #	Speaker	Title
9:00	0	Conference Organizers	Welcome to Conference, Intro of Organizers
Morning Talks Session 1		Session Chair: Carly York	
		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	Kuvvat Garayev	Schooling response of antarctic Krill (<i>Euphausia superba</i>) under various light and flow conditions in an annular flume
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	Melissa Ruszczyk	Metachronal Stroke Kinematics of <i>Euphausia pacifica</i>
9:42-9:52		COFFEE BREAK	
Morning Talks Session 2		Session Chair: Richard Blob	
		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	DNA methylation varies with time since introduction in house sparrows
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 <i>Astragali</i>
10:28	11	Jonathan Rader	Morphological modularity and evolution of avian wing shape
10:35-11:05		BREAKOUTS 3 Rooms	
		Morning Breakout Session	
	Room X	Carly York, David Hu	Science Communication of your Research
	Room Y	Joe Mendelson, Andrew Schulz	Getting started with Zoo Collaboration Research
	Room Z	Zoo Atlanta Education Team	K-12 Outreach of Animal Research
11:05-11:15		COFFEE BREAK	
Morning Talks Session 3:		Session Chair: Joe Mendelson	
		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: Emydidae: Malaclemys terrapin</i>)
11:29	15	Victor M. Ortega-Jimenez	Flamingos' Feeding hydrodynamics
11:36	16	Connor Pogue	Escape Performance and Desiccation Rates in Copeas Grey Tree Frog Metamorphs: Is Bigger Always Better?
11:43	17	Andrew Schulz	Elephant Biomechanics & the Bio-inspiration Elephants Provide
11:50	18	Everyone	Group Photo before Lunch
12:00 - 14:00		LUNCH	
		Zoo Atlanta Self Guided Tours	
Afternoon Session 1:		Session Chair: Andrew Dickerson	
		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 C. elegans
2:28	23	Eva Erickson	Centipede locomotion in complex environments
2:35-2:45		COFFEE BREAK	
Afternoon Session 2:		Session Chair: Jennifer Rieser	
		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 C. elegans
2:59	26	Andrew Dickerson	Landing mosquitoes bounce
3:06	27	Hungtang Ko	Morphing fire ant aggregations
3:15-3:30		Pre Poster Session Break	
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	N/A	Taking a swing at measuring small-scale, high acceleration impacts: a modular two-pendulum approach
P2	Jason Dinh	N/A	Positive allometry and exaggeration of sexually selected weapons are driven by metabolically inexpensive exoskeleton
P3	Soohwan Kim	N/A	Kimchi fermentation in permeable Korean earthenware Onggi
P4	Grace Hansen	Cody Blystone, Isha Patka, Anais Paternias	Fox Rabies Biscuit Device at Georgia Tech
P5	Margaret J Zhang	Nima Jadali	Improving Foraging Behavior of Captive Gorillas using an open source toolkit
P6	Nelson Jiang	Charles L Finn	Material Properties of Earwax Deter Ants and Aid in Self-Cleaning
P7	Madeline Boyle	N/A	Asymmetric elongation of the Trunk to the Skin
P8	Maggie Keller	N/A	The Effects of the Lateral Line System on Prey Acquisition Behaviors in the African Clawed Frog, <i>Xenopus laevis</i>
P9	Emma Elise Throneburg	N/A	The Behavioral Effects of Integrating a New Male into an Established Herd of African Elephants (<i>Loxodonta africana</i>)
P10	Emily Blandford	N/A	Flight Kinematics of <i>Manduca sexta</i> Pre- and Post- Antennectomy
P11	Eli Bradley	N/A	The Evolution of the Avian Hand-wing
P12	Laura Mendez	N/A	Are black skimmers using tailwinds to forage over the water?
P13	Sonja Friman	N/A	Surfing Birds - How birds interact with vortex wakes
P14	Sanjib Gurung	N/A	<i>Daphnia magna</i> distribution under the Influence of Langmuir circulation
P15	Hungtang Ko	Keyana Komilian, Kyle Roe, Mathias Hadgu, Leo Hollingworth, Elliot Willner	Morphing fire ant aggregations
P16	Elias Irick	Andrew Schulz	Low-Cost and Open Source Modular GPS Trackers for Resarch and Conservation
P17	Xander Sahin	N/A	Creating Elephant Trunk Skin Mimics to design new bio-inspired materials
P18	Charles L Finn	N/A	Physics of Flatulence
P19	Cassie Shriver	Caroline Greiner, Anika Patka	Educating the next generation of conservation technologists: a case study discussing zoo collaborations
P20	Krishma Singal		Creating Bio-inspired Collagen Fiber mimics using knitted fabrics
P21	Baxi Zhong		Robophysical modeling of the coordination between body undulation and leg movement in centipedes