

# Schedule-at-a-Glance

## The Society for Integrative and Comparative Biology • 2019 Annual Meeting • Tampa, FL

EVENTS/FUNCTIONS	Thursday, January 3 – Day 1	Friday, January 4 – Day 2	Saturday, January 5 – Day 3	Sunday, January 6 – Day 4	Monday, January 7 – Day 5
<p><b>SYMPOSIA</b></p> <p>7:45 AM – 3:30 PM unless otherwise noted in program</p>		<p><b>S1: Integrative Plant Biology</b>, Room 18 Organizers: Matt Ogburn, Erika Edwards</p> <p><b>S2: The Scale of Sickness: How Immune Variation Across Space and Species Affects Infectious Disease Dynamics</b>, Room 19 Organizers: Daniel Becker, Cynthia Downs, Lynn Martin</p> <p><b>S3: Playing with Power: Mechanisms of Energy Flow in Organismal Movement</b>, Room 14-15 Organizers: Jeffrey Olberding, Michael Rosario, Stephen Deban</p>	<p><b>S4: Adaptation and Evolution of Biological Materials</b>, Room 16-17 Organizers: Rob Campbell, Mason Dean</p> <p><b>S5: Stress Phenotype: Linking Molecular, Cellular, and Physiological Stress Responses to Fitness</b>, Room 18 Organizers: Haruka Wada, Britt Heidinger</p> <p><b>S6: Beyond the Powerhouse: Integrating Mitonuclear Evolution, Physiology, and Theory in Comparative Biology</b>, Room 19 Organizers: Justin Havird, Geoffrey Hill</p>	<p><b>S7: Comparative Evolutionary Morphology and Biomechanics in the Era of Big Data</b>, Room 16-17 Organizers: Martha Muñoz, Samantha Price</p> <p><b>S8: Multifunctional Structures and Multistructural Functions: Functional Coupling and Integration in the Evolution of Biomechanical Systems</b>, Room 21 Organizers: Stacy Farina, Emily Kane, Patricia Hernandez</p> <p><b>S9: Chemical Responses to the Biotic and Abiotic Environment by Early Diverging Metazoans Revealed in the Post-Genomic Age</b>, Room 18 Organizers: Paul Long, Laura Mydlarz, Beth Okamura</p>	<p><b>S10: The world is not flat: Accounting for the dynamic nature of the environment as we move beyond static experimental manipulations</b>, Room 1-2 Organizers: Timothy Greives, Rachel Bowden</p> <p><b>S11: Allometry, Scaling and Ontogeny of Form</b>, Room 14-15 Organizers: Fred Nijhout, Kenneth McKenna</p> <p><b>S12: The path less traveled: Reciprocal illumination of gecko adhesion by unifying material science, biomechanics, ecology, and evolution</b>, Room 16-17 Organizers: Timothy Higham, Alyssa Stark, Anthony Russell</p>
<p><b>CONTRIBUTED PAPER SESSIONS</b></p> <p>8:00 AM – 12:00 PM unless otherwise noted in program</p> <p>All meetings take place at the Tampa Convention Center.</p> <p><b>SPEAKER READY ROOM:</b> Room 11 – 1st Level</p> <p>Thursday: Noon-7:00 pm Friday: 7:00 am-5:00 pm Saturday: 7:00 am-5:00 pm Sunday: 7:00 am-5:00 pm Monday: 7:00 am-10:00 am</p> <p>Check in at the Ready Room at LEAST one half day before your presentation, 24 hours is preferred</p> <p><b>COFFEE BREAKS:</b> Central Exhibit Hall</p> <p>Morning: 9:30 am-10:30 am Afternoon: 3:30 pm-4:30 pm</p>		<p><b>Morning</b></p> <p>1: Acoustic Communication, Room 1-2 2: DEE Best Student Paper: Huey Award, Room 3-4 3: Host Parasite Relationships, Room 5-6 4: Where's My Partner? Coral Reef Biology, Room 13 5: Parasites Competition and Epigenetics, Room 16-17 6: Wright Had it Right - Population Genetics, Room 20 7: Inspired by Nature, Room 21 8: Ontogeny and Scaling, Room 22 9: Broken Shells &amp; Cooked Muscles, Room 23 10: Sensorimotor, Room 24 11: Comp to S8: Multifunctional Structures &amp; Multistructural Functions: Functional Coupling &amp; Integration in the Evolution of Biomechanical Systems, Room 25 12: Energetics of Endotherms: Diel and Short-Term Patterns, Room 12 13: DNNSB Best Student Paper, Room 1 &amp; 2 14: Parental Behavior, Room 3 &amp; 4 15: Breaking Bleachin - Coral Reef Biology, Room 5 &amp; 6 16: Development and Behavior, Room 13 17: DVM Best Student Paper: D. Dwight Davis Award, Room 16 &amp; 17 18: DPCB Best Student Paper: Wake Award, Room 20 19: Visual Signals, Room 21 20: Education: Creative Programs &amp; Practices, Room 22 21: Thermal Tolerance and Fluctuating Thermal Environments, Room 23 22: Best Student Paper: Aubrey Gorman Award, Room 24 23: Invertebrate Evo-Devo, Room 25 24: Cell &amp; Molecular Physiology, Room 12</p>	<p><b>Morning</b></p> <p>37: Rising Star in Organismal Botany Award, Room 1 &amp; 2 38: Evolutionary Morphology, Room 3 &amp; 4 39: Host Pathogen Interactions, Room 5 &amp; 6 40: Social Behavior and Predator-Prey Interactions, Room 13 41: Slytherin Snakes, Room 14 &amp; 15 42: Comp to S3: Playing with Power: Mechanisms of Energy Flow in Organismal Movement, Room 20 43: Comp to S2: The Scale of Sickness: How Immune Variation Across Space and Species Affects Infectious Disease Dynamics, Room 21 44: Phenotypic Plasticity, Room 22 45: Method to Madness, Room 23 46: Evolution of Form and Function, Room 24 47: Neurobiology and Sensory Biology, Room 25 48: Communication and Cognition, Room 12 49: "Savin' the Seeds of Life" - Conservation Biology, Room 1 &amp; 2 50: Phylogenetics and Paleobiology, Room 3 &amp; 4 51: Bigger and Better? Endocrine Aspects of Growth and Development, Room 5 &amp; 6 52: Reproductive and Social Behavior, Room 13 53: DCB Best Student Paper: Mimi A.R. Koehl and Steven Wainwright Award, Room 14 &amp; 15 54: Smellin' and Livin' Together - Chemical and Community Ecology, Room 20 55: Doin' it with the Dinoflagellates - Coral Reef Biology, Room 22 56: Immunity, Inflammation, and Toxicology, Room 23 57: DEDB Best Student Paper, Room 24 58: Vision, Room 25 59: Chemosensory, Room 12</p>	<p><b>Morning</b></p> <p>72: Comp to S11: Size &amp; Shape: Ontogenetic Origins of Organismal Form, Room 1 &amp; 2 73: Animal Communication, Room 3 &amp; 4 74: Ecological and Evolutionary Consequences of Metabolic Diversity 1, Room 5 &amp; 6 75: Social Behaviors and Predator-Prey Interactions, Room 13 76: Ekoehlogical Biomechanics: A Tribute to Mimi Koehl, I, Room 14 &amp; 15 77: Comparative Genomics, Room 19 78: Comp to S5: Stress Phenotype: Linking Molecular, Cellular and Physiological Stress Responses to Fitness, I, Room 20 79: Swimming: It's a Drag, Room 22 80: Breaking the Surface, Room 23 81: Never Miss a Step, Room 24 83: Behavioral Physiology, Room 12 84: Comp to S10: The World is Not Flat, Room 1 &amp; 2 85: Hormones &amp; Behavior 1 - An Avian Focus, Room 3 &amp; 4 86: Developmental Plasticity, Room 5 &amp; 6 88: Ekoehlogical Biomechanics: A Tribute to Mimi Koehl, II, Room 14 &amp; 15 89: Comp to S6: Beyond the Powerhouse: Integrating Mitonuclear Evolution, Physiology, and Theory in Comparative Biology, Room 19 90: Comp to S5: Stress Phenotype: Linking Molecular, Cellular and Physiological Stress Responses to Fitness, II, Room 20 91: Meta-Swimming: Greater Than the Sum of Its Parts, Room 22 92: Flies in the Honey, Room 23 93: Gonna Get a Leg Up, Room 24 94: Adaptation, Room 25 95: Reproductive &amp; Ontogenetic Physiology, Room 12</p>	<p><b>Morning</b></p> <p>108: Comparative Endocrinology-Differences &amp; Similarities, Room 3 &amp; 4 109: Neuroethology, Room 5 &amp; 6 110: Evolution and Stressors, Room 13 111: Living &amp; Moving in Groups, Room 18 112: Livin' the Vida Larvae - Larval Ecology..., Room 19 113: Physiology of Feeding and Digestion, Room 20 114: Sexual Selection and Reproductive Behavior, Room 21 115: Dolphin vs. Tuna, Room 22 116: Dig Deep, Room 23 117: You Should Chew Your Food, Room 24 120: Environmental Endocrinology: Animals Dealing with a Messed Up World, Room 3 &amp; 4 121: Evolutionary Thermal Biology, Room 5 &amp; 6 122: Evolution and Coloration, Room 13 123: You Are What You Eat - Bioindicators, Room 18 124: Finding the Way, Finding Home, Room 19 125: Ecological and Evolutionary Consequences of Metabolic Diversity 2, Room 20 126: Species and Speciation, Room 21 127: Squishy Swimmers, Room 22 128: Slippery Slope, Room 23 129: Up the Flow and Down the Hatch, Room 24 133: Immune Trade-Offs, Room 25</p>
<p><b>CONTRIBUTED PAPER SESSIONS</b></p> <p>1:30 PM – 3:30 PM unless otherwise noted in program</p> <p>All meetings take place at the Tampa Convention Center.</p> <p>Childcare will take place in Room 9.</p> <p>The Mothers/Nursing room is Room 10.</p>		<p><b>Afternoon</b></p> <p>25: DAB Best Student Paper: Marlene Zuk Award, Room 1 &amp; 2 26: Let's get Physical-Biophysical Ecology, Room 3 &amp; 4 27: DEDE Best Student Presentations, Room 5 &amp; 6 28: Partners for Life-Symbiosis, Room 13 29: Groovin' as a Groupie-Population Ecology, Room 16 &amp; 17 30: Molecular Evolution, Room 20 31: Stuck on You, Room 21 32: Stabby and Crunchy, Room 22 33: Evolutionary Morphology, Room 23 34: Going with the Unstable Flow, Room 24 35: Stress: It's a Mad Mad Mad Mad World, Room 25 36: Wintering/Overcooling, Room 12</p>	<p><b>Afternoon</b></p> <p>60: Comp to S1: Integrative Plant Biology, Room 1 &amp; 2 61: Macroevolution, Room 3 &amp; 4 62: Sickness and the Microbiome, Room 5 &amp; 6 63: Neuroanatomy, Room 13 64: Robot Overlords, Room 14 &amp; 15 65: Comp to S3: Playing with Power: Mechanisms of Energy Flow in Organismal Mvmnt, Room 20 66: Care for the Planet - Conservation Biology &amp; Community Ecology, Room 21 67: Morphology &amp; Mechanics Through Time, Room 22 68: Muscle Physiology, I, Room 23 69: Ecomorphology, Room 24 70: Vertebrate Development &amp; Evolution, Room 25 71: Sensory Biology, Room 12</p>	<p><b>Afternoon</b></p> <p>96: Pathology and Disease, Room 1 &amp; 2 97: Hormones &amp; Behavior II - Everything but the Birds, Room 3 &amp; 4 98: Energetics of Endotherms: Seasonal and Evolutionary Patterns, Room 5 &amp; 6 99: Muscle Physiology, II, Room 13 100: Ekoehlogical Biomechanics: A Tribute to Mimi Koehl, III, Room 14 &amp; 15 101: Comp to S6: Beyond the Powerhouse: Integrating Mitonuclear Evolution, Physiology, and Theory in Comparative Biology, Room 19 102: Complementary to S5: Stress Phenotype: Linking Molecular, Cellular and Physiological Responses to Fitness, III, Room 20 103: Whole Body Swimming Mechanics, Room 22 104: Stability &amp; Maneuvering in a Low Re World, Room 23 105: Give and Go: Pushing Off and Moving Forward, Room 24 106: Life History Evolution, Room 25 107: Education and the Undergraduate, Room 12</p>	<p><b>Afternoon</b></p> <p>132: Dynamics of Predator-Prey Interactions, Room 3 &amp; 4 134: Evolutionary Ecology, Room 13 136: Comp to S7: Comparative Evolutionary Morphology and Biomechanics in the Era of Big Data, Room 19 137: Character Development and Evolution, Room 21 138: Bird Flight, Room 22 139: Flow through Tight Spaces, Room 23 140: Flying through Water and Swimming on Land, Room 24 141: Evolution of Behavior, Room 18</p>

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EVENTS/FUNCTIONS	Thursday, January 3 – Day 1	Friday, January 4 – Day 2	Saturday, January 5 – Day 3	Sunday, January 6 – Day 4	Monday, January 7 – Day 5
<b>KEYNOTE LECTURES</b> Times as noted	7:30 PM – 8:30 PM, Ballroom B <b>Plenary Session: Peter Wainwright</b> Key Innovation and Diversity in Fish Jaws: A SICB Story	7:00 PM – 8:00 PM, Room 14-17 <b>Bartholomew Lecture: Dr. Ben Dantzer</b> Plasticity, Hormones, Behavior, and Fitness: Understanding the Long-reach of the Mother in Wild Animals	7:00 PM – 8:00 PM, Room 14-17 <b>Bern Lecture: Dr. Michael Romero</b> Scared, Cold, and Hungry – Stress from the Arctic to the Equator  7:00 PM – 8:00 PM, Room 12-13 <b>AMS Lecture: Dr. Bruce Conn</b> Functional Morphology Meets Infectious Disease Epidemiology: How Parasitic Flatworms Move Between and Within Hosts		3:45 PM – 4:45 PM, Room 14-17 <b>Moore Lecture: Dr. Kevin Padian</b> Lessons from the “Intelligent Design” Trial: Explaining Evolution and Climate Science in a “Post-evidentiary World”
<b>POSTER SESSIONS</b> Central Exhibit Hall Poster presenters must stand by their posters during scheduled times.		<b>Poster Session 1</b> 7:00 AM – 8:00 AM: Poster Session 1 Set Up 3:30 PM – 4:30 PM: Even # Authors Present 4:30 PM – 5:30 PM: Odd # Authors Present 5:30 PM – 6:00 PM: Poster Session 1 Teardown	<b>Poster Session 2</b> 7:00 AM – 8:00 AM: Poster Session 2 Set Up 3:30 PM – 4:30 PM: Even # Authors Present 4:30 PM – 5:30 PM: Odd # Authors Present 5:30 PM – 6:00 PM: Poster Session 2 Teardown	<b>Poster Session 3</b> 7:00 AM – 8:00 AM: Poster Session 3 Set Up 3:30 PM – 4:30 PM: Even # Authors Present 4:30 PM – 5:30 PM: Odd # Authors Present 5:30 PM – 6:00 PM: Poster Session 3 Teardown	
<b>EXHIBIT HOURS</b>	1:00 PM – 6:00 PM, Exhibitor set-up	9:30 AM – 5:30 PM	9:30 AM – 5:30 PM	9:30 AM – 5:30 PM	
<b>COMMITTEE/BOARD MEETINGS</b>	2:30 PM – 5:30 PM, Room 18 Executive Committee meeting  5:30 PM – 7:00 PM, Room 8 Student Support Committee	7:00 AM – 8:00 AM, Room 34 SICB Nominating Committee  Noon – 1:30 PM, Room 30 A/B Division Chairs, President/President Elect  Noon – 1:30 PM, Room 7 Editorial Board Meeting: Evolution & Development  5:30 PM – 10:00 PM, Meeting Room 1, Marriott TCS Board Meeting  8:00 PM – 10:30 PM, Room 8 AMS Executive Committee Meeting	7:00 AM – 8:00 AM, Room 31 Advisory Committee  Noon – 1:30 PM, Room 31 SICB Division Secretaries  Noon – 1:30 PM, Room 30B Broadening Participation Comm Meeting  Noon – 1:30 PM, Room 34 Educational Council  Noon – 1:30 PM, Room 8 Student/Postdoc Affairs Committee  Noon – 1:30 PM, Room 32 Membership Committee  Noon – 1:30 PM, Room 7 Editorial Board Meeting Journal of Experimental Zoology Part A: Ecological and Integrative Physiology	Noon – 1:30 PM, Room 8 ICB Editorial Board  Noon – 1:30 PM, Room 31-32 POs and Symposium Organizers for Austin Meeting  Noon – 1:30 PM, Room 34 Development Committee	7:00 AM – 9:00 AM, Florida Salons 1-3, Marriott Executive Committee  Noon – 1:30 PM, Room 7 Public Affairs Committee  Noon – 1:30 PM, Room 8 IOB Editorial Board Meeting
<b>SOCIETY/DIVISIONAL MEETINGS</b>		<b>DAB Meeting</b> , 5:45 PM – 6:30 PM, Room 18 <b>DNNSB Meeting</b> , 5:45 PM – 6:30 PM, Room 19 <b>DCPB Meeting</b> , 5:45 PM – 6:30 PM, Room 20 <b>DVM Meeting</b> , 5:45 PM – 6:30 PM, Room 21 <b>DEE Meeting</b> , 5:45 PM – 6:30 PM, Room 22 <b>DEDE Meeting</b> , 5:45 PM – 6:30 PM, Room 23 <b>DEDB Meeting</b> , 5:45 PM – 6:30 PM, Room 24	<b>TCS Business Meeting</b> , 12:00 PM – 1:30 PM, Room 3 & 4 <b>AMS Business Meeting</b> , 12:00 PM – 1:30 PM, Room 1 & 2 <b>DCE Meeting</b> , 5:45 PM – 6:30 PM, Room 18 <b>DCB Meeting</b> , 5:45 PM – 6:30 PM, Room 19 <b>DIZ Meeting</b> , 5:45 PM – 6:30 PM, Room 20 <b>DPCB Meeting</b> , 5:45 PM – 6:30 PM, Room 21	<b>SICB Society Meeting &amp; Awards Presentation</b> 5:30-6:30 pm, Room 14-15	
<b>WORKSHOPS &amp; PROGRAMS</b>	9:00 AM – 5:00 PM, Room 1, Marriott Workshop: Best practices for using NGS-based datasets to determine statistically robust evidence of positive selection and convergent evolution of polar organisms  1:00 PM – 5:00 PM, Room 19 Workshop: Principles and analysis of small, high acceleration systems in biology and synthetic systems  2:00 PM – 5:00 PM, Florida 1, Marriott RCN Steering Committee Grand Challenge: OSyM: Organismal Systems-level Modeling network  5:30 PM – 6:30 PM, Ballroom B Student Worker Orientation and First-timer Orientation “How to get the most out of your SICB meeting” <i>*Required for students with Charlotte Mangum support</i>	Noon – 1:30 PM, Room 20 Student Postdoctoral Affairs Brown Bag Workshop: “Poster power-up!”  Noon – 1:30 PM, Room 5-6 Public Affairs Committee Workshop: The Art of Persuasive Communication: When Acting Meets Science with Eliza VanCort  Noon – 1:30 PM, Room 8 RCN Information session / Brown Bag Lunch - OSyM: Organismal Systems-level Modeling network  3:30 PM – 5:30 PM, Central Exhibit Hall DPCB Ask-An-Expert: Get phylogenetic and comparative methods support with an expert	Noon – 1:30 PM, Room 4-5 500 Women Scientists Meetup  Noon – 1:30 PM, Room 16-17 Workshop: “Mastering Materials Imaging: Pushing boundaries in SEM and x-ray tomography”  Noon – 1:30 PM, Room 13 Public Affairs Committee Workshop: The Art of Persuasive Communication: When Acting Meets Science  Noon – 1:30 PM, Room 5-6 Sketchnotes: A hands-on visual note-taking workshop  3:30 PM – 4:30 PM, Room 16-17 Workshop - AMIRA training workshop  3:30 PM – 5:30 PM, Central Exhibit Hall DPCB Ask-An-Expert: Get phylogenetic and comparative methods support with an expert	Noon – 1:30 PM, Room 5-6 Broadening Participation Committee Workshop: “Creating a comfortable and welcoming learning community: From a strategic syllabus to realized student engagement”  Noon – 1:30 PM, Room 14-15 Student Support Committee Brown Bag Workshop for Graduate Students: Writing a competitive GIAR/FGST grant proposal  7:00 PM – 9:00 PM, Room 5-6 TAL-X Workshop: Identifying the core concepts of vertebrate morphology teaching: a means to enhance active learning and retention in the classroom  3:30 PM – 5:30 PM, Central Exhibit Hall DPCB Ask-An-Expert: Get phylogenetic and comparative methods support with an expert	Noon – 1:30 PM, Meeting Room 1, Marriott Evolutionary Biomechanics Mentoring and Networking Luncheon
<b>SOCIAL EVENTS</b>	6:30 PM – 7:30 PM, Florida 2, Marriott Broadening Participation Meet & Greet  8:30 PM – 10:00 PM, Ballroom A Welcome Reception	8:00 PM – 10:00 PM, The Landing, 2nd Floor DCPB Social and BART Reception	Noon – 1:30 PM, Room 30A Botany at SICB Organizational Meeting and Social  8:00 PM – 10:00 PM, The Landing, 2nd Floor DCE/DEDE/DAB/DNNSB Social  9:00 PM – 12:00 AM, American Social (Offsite) DVM/DCB Social  7:30 PM – 9:00 PM, II Terrazzo, Marriott Libbie Hyman Auction & TCS/DEDB/DPCB/AMS/DIZ/DEE Social	7:00 PM – 9:00 PM, II Terrazzo, Marriott Broadening Participation Social	5:00 PM – 7:00 PM, Ballroom A Society-wide social in honor of students and post-docs
<b>REGISTRATION</b> Central Exhibit Hall	3:00 PM – 8:00 PM	7:00 AM – 5:00 PM	7:30 AM – 4:00 PM	7:30 AM – 3:00 PM	7:30 AM – 2:30 PM