You are invited to contribute to the 2020 Annual Meeting of the Society for Integrative and Comparative Biology. To maintain the excellent scientific quality of this meeting, you are encouraged to begin your preparation early.

LOCATION
The meeting will be located at the JW Marriott in Austin, TX which is located within walking distance of many restaurants and shops.

EXHIBITS ‘20
There will be an exhibition at the Annual Meeting. For further information on exhibiting, contact Amy Sullivan (sicb@summitexpo.com) or call her at 412-882-1420.

PLENARY SESSION
Impact and discovery: extreme movement in an interdisciplinary and political world
The Plenary Session will be held on Friday, January 3 and will be given by Dr. Sheila Patek, Professor of Biology at Duke University. Dr. Patek has received several honors for her work on the dynamic interplay between evolutionary processes and physics, including a Guggenheim Fellowship, the George A. Bartholomew Award for distinguished contributions to comparative physiology, a Radcliffe Fellowship, an NSF CAREER award, and the Brilliant 10 award from Popular Science magazine. Dr. Patek has received significant coverage of her research in the press, and she has spoken publicly about the importance and potential impact of fundamental scientific discovery. In 2016, Dr. Patek presented her research and its human applications to members of the U.S. Congress at the Congressional Poster Session and Reception in Washington DC.

SYMPOSIA
Following is the list of 2020 Symposia. For dates and details, see: www.sicb.org/meetings/2020/symposia


S2. Epigenetic Variation in Endocrine Systems. Organizers: Tyler Stevenson, Lynn Martin, Haley Hanson; Sponsors: DAB, DCE, DCPB, DEED, DEE, DNNSB

S3. Biology at the Cusp: Teeth as a Model Phenotype for Integrating Developmental Genomics, Biomechanics, and Ecology. Organizers: Gareth Fraser, Darrin Hulsey; Sponsors: DAB, DEE, DCPB, DVM


S5. Form, structure and function: How plants vs. animals solve physical problems. Organizers: Ulrike Muller, Simon Poppinga, Anna Westermeier; Sponsors: DAB, DEE, AMS

S6. Bio-inspiration of silent flight of owls and other flying animals: recent advances and unanswered questions. Organizers: Christopher Clark, Justin Jaworski; Sponsors: DAB, DEE, AMS

S7. SICB Wide Symposium: Building Bridges from Genome to Phenome: Molecules, Methods and Models. Organizers: Karen Burnett, Jonathon Stillman, Donald Mykles, David Durica; Sponsors: DCE, DCPB, DEDB, DEE, DIZ, DPCB, AMS, TCS


S10. Melding Modeling and Morphology: integrating approaches to understand the evolution of form and function. Organizers: Lindsay Waldrop, Jonathan Rader; Sponsors: DAB, DCPB, DEE, DVM, TCS

MEETING FORMAT

2020 Notes:
1. Posters will be 42" x 42" this year.
2. In regular (non-symposium) sessions, oral presentations will be 15 minutes.
3. Lunch will run from 12:00 to 1:30.
4. Poster session will take place between 3:30-5:30.
5. You may present using your own laptop, but change-over time will be deducted from your presentation time.

The Annual Meeting will encompass three types of scientific sessions:

Poster Presentations: Poster sessions will be grouped by topic and presented at times designated. There will be three different poster sessions, each occurring in the afternoon from 3:30 PM – 5:30 PM. Authors will be assigned to one of the three poster sessions and must be present to stand by their posters for questions and answers during this session. For poster presentations, submit an abstract and check the appropriate box. The exhibition venue in Tampa is much smaller than in past years. POSTERS LARGER THAN 42" X 42" CANNOT BE DISPLAYED.

Oral Presentations: Standard oral presentations are 15 minutes. Oral presentations will be arranged by the program officers according to TOPIC (primarily the first topic word selected – see list on following page). Please ensure that your talk allows at least a few minutes for questions. The 15 min time limit will be strictly enforced by the session chairs. For oral presentations, submit an abstract and check the appropriate box.

Symposia: Symposia are pre-arranged sessions in which the speakers have been invited by the symposium organizers. If you are presenting in a symposium, you must submit an abstract, and indicate which symposium you will be in.

WHO MAY PRESENT? AND HOW MANY PRESENTATIONS ARE ALLOWED?
Attendees who are members of one of the contributing societies may present one oral and one poster presentation. A second oral presentation (allowing three total presentations) will be allowed if one of the oral presentations is on one of the topics listed under G. Outreach, Education, and Policy. Symposium speakers also may give one contributed oral and one poster presentation, in addition to their symposium presentation. If you are not a member, you may give one presentation (oral or poster). Abstracts for each presentation must be submitted separately.

Student members must be sponsored by a Full member to present a paper or poster.

Questions concerning eligibility to make a presentation should be directed to the SICB Program Officer, Susan Williams, at programofficer@sicb.org or Lori Strong at LStrong@BurkInc.com.

SUBMISSION GUIDELINES
Abstracts must be submitted via the web at www.sicb.org/meetings/2020/abstracts.

Symposia speakers must use www.sicb.org/meetings/2020/abstracts/symposia.php and and select their talk from the list.

Please carefully follow any special instructions for inserting special characters (e.g., italics, diacritical marks, or other symbols) into abstracts submitted via the web. SICB cannot be responsible for inserting such special characters and symbols.

Presenting Author
Enter your name, institution, department, mailing address, telephone number (mobile preferable), and e-mail address in the appropriate boxes on the Abstract/Transmittal Form. SICB will send all correspondence for the 2020 Annual Meeting to the e-mail address provided. If you change your address during the period between submission of your abstract and the meeting, please contact the SICB Business Office at 703-790-1745 to update your records. Submission of an abstract constitutes confirmation that all listed co-authors have approved its content.

Primary Division/Society Affiliation
If you are a member of SICB, check a divisional affiliation appropriate for your abstract. If you belong to an affiliated or co-sponsoring society, please indicate using the checkboxes.

Contributed Presentation Format
Select whether your presentation is to be oral only, poster only, or either. Checking the “either” box will give the program officers greater flexibility.

Audio/Visual Requests
Computer projectors will be present in all presenting and practice rooms. Projectors are sized 16:9. Please indicate if you plan to use audio during your presentation. Note that a computer will be provided for each session; therefore, you can bring your presentation on a memory stick. Everyone is required to visit the ready room prior to his/her presentation to upload their presentation and ensure that the presentation will work on the computer and projector that are provided. Should you elect to bring your own computer, you will be responsible for computer set-up in the meeting room and any time used will be deducted from your presentation time. NOTE: Speakers using special software or large videos may wish to present using their own laptop. It will be possible to connect these near the podium, but you must bring your own cables and adaptors, and you will be responsible for making these connections. Allow extra time in your presentation to do this setup.

Topics of Sessions
SICB Contributed Papers and Posters will be arranged by TOPIC. There are nine major topic groups and each topic group contains sub-topics. Select three sub-topics that best characterize your presentation and rank them in order of preference (e.g. A1, A.6, D.12). Your contribution will be grouped with similar presentations by the Program Committee. The TOPIC (letter) and sub-topic selections will determine which session you will be programmed into. If your presentation is more closely related to a special session, please select “J” as your first choice then select the special session. If your presentation is more closely related to a symposium, please select “K” as your first choice then select the symposium in the pop-up box below the topic boxes.
Abstract Submittal
www.sicb.org/meetings/2020/abstracts

A. Behavior and Neurobiology
1. biological rhythms
2. communication
3. genetics of behavior
4. evolution of behavior
5. development of behavior
6. foraging behavior
7. movement, migration and dispersal
8. neuroanatomy and physiology
9. neurobiology
10. neuroethology
11. parental behavior
12. predator/prey interactions
13. reproductive behavior
14. sensory biology
15. social behavior

B. Biomechanics and Morphology
1. adhesion
2. bioinspired engineering and biomimetics
3. biomaterials, structure, and mechanics
4. ecomorphology
5. evolution of form and function
6. feeding and digestion
7. ontogeny, growth and scaling
8. locomotion
9. modeling and computational approaches
10. movement through and of fluids
11. muscle and tendon morphology and mechanics
12. phenotypic plasticity
13. reproduction
14. sensorimotor structure and integration
15. skeletal and dental morphology and mechanics
16. ventilation and circulation

C. Development
1. cell differentiation
2. fertilization
3. metamorphosis
4. morphogenesis

D. Disease and Ecoimmunology
1. host/pathogen evolution
2. host/pathogen population dynamics
3. pathology and epidemiology
4. immune-based trade-offs
5. host-parasite interactions
6. immunity
7. sickness
8. microbiome

E. Ecology and Environmental Biology
1. biodiversity
2. biogeography
3. bioindicators and pollution
4. biophysical ecology conservation biology
5. chemical ecology
6. climate change
7. community ecology
8. coral reef biology
9. larval ecology
10. phenology
11. plant-animal interactions
12. population ecology
13. symbiosis

F. Evolution
1. adaptation
2. character development and evolution

3. cladistics/phylogenetic analysis
4. co-evolution
5. evolutionary morphology
6. comparative genomics and proteomics
7. evolutionary developmental biology
8. evolutionary ecology
9. evolutionary paleobiology
10. evolutionary physiology
11. historical biogeography
12. life history evolution
13. macroevolution
14. molecular evolution
15. population genetics
16. sexual selection
17. species and speciation

G. Outreach, Education, and Policy
1. assessment
2. citizen science
3. history and public policy
4. outreach and partnerships
5. science communication
6. undergraduate biology education, teaching and research

H. Physiology and Biochemistry
1. cardiovascular physiology
2. cell and molecular physiology
3. comparative biochemistry
4. digestion and excretion
5. energetics
6. immunology
7. metabolism
8. muscle physiology and biochemistry
9. osmotic and ionic regulation
10. photosynthesis
11. reproductive physiology
12. respiration and acid-base balance
13. thermobiology
14. macrophysiology

I. Endocrinology and Chemical Messaging
1. comparative endocrinology
2. environmental endocrinology
3. hormones and behavior
4. hormones and osmoregulation
5. hormones and growth
6. hormones and development
7. neuroendocrinology
8. plant signaling
9. reproductive endocrinology
10. stress

J. Special Session Related
1. Special Session: Celebrating the scientific contributions of Rosemary Knapp: hormones and alternative reproductive tactics
2. Special Session: Digestive Physiology: A Session in Honor of Bill Karasov

K. Symposium Related
1. Session related to symposium
(see page 1 for list of symposia)
Best Student Presentation Program
Best Student Presentation Awards are given by most SICB divisions and affiliated societies. If you wish to compete, check the Best Student Presentation box and in which division or affiliated society you wish to compete when you submit your abstract. Some divisions (DEE, DCB, DCE, DAB, DVM, DEDB, DNNSB, DPCB) program their oral and/or poster student competition presentations into special sessions and some divisions (DAB oral only, DCB oral & poster, DCPB oral & poster, DEE oral & poster, DVM oral only) require submission of an extended competition abstract. Please consult division-specific guidelines at www.sicb.org/students/awards.php3#bsp.

Author Box
Type each author(s) name all in upper case, last name followed by initials, in the appropriate box i.e., TAMONE, SL (Author Box 1), BURK, BB (Author Box 2) and WAINWRIGHT, P (Author Box 3). Select the presenting author from the pop up list.

Institution Box
Type the institution(s), and location(s) in upper and lower case in the box. DO NOT include your department, or repeat the city or state when they are already part of the institution(s) name, or the zip code when listing the address (es) of the author(s). Capitalization and punctuation must be as shown in the sample (University of California, San Diego and Smithsonian Institution, Washington, DC).

Title Box
Enter the title of your abstract in the box in upper and lower case.

Abstract Keywords
Keywords are used to develop the index in the Final Program. You must use at least one, but no more than three, keywords to submit your abstract. Enter them in the Keyword 1, Keyword 2, and Keyword 3 boxes. NOTE: You are allowed to add 1 keyword of your choosing (if you wish). The complete keyword list will appear when you click the button.

Abstract Box
The abstract, as submitted, will be published online and in the journal Integrative and Comparative Biology. There should be no margin at the top; keep all text flush left. Enter only the single-paragraph body of the text in the abstract box. DO NOT re-enter your name(s) or institution(s).

Final Notes
The total number of characters including authors, institutions, title, spaces, and abstract body is 2000. The abstract text-body will not be accepted if the total exceeds that number.

To be considered for inclusion in the Program, all poster, oral, and symposium submissions must be received via the website by 4 September, 2019. Submissions for posters, oral presentations, and symposia MUST be made using the SICB website, www.sicb.org/meetings/2020/abstracts. The full schedule of presentations, with dates and times, will be posted on the SICB website by the beginning of November.

Meeting Registration
Those submitting abstracts for contributed papers and/or posters must register for the meeting by the deadline of 6 November 2019.

YOU WILL RECEIVE AN E-MAIL FROM SICB ACKNOWLEDGING RECEIPT OF YOUR ABSTRACT; HOWEVER, IT IS NOT OFFICIALLY ACCEPTED UNTIL YOU REGISTER.

If an email confirmation is not received, your abstract has not been received. Check with the business office (sicb@burkinc.com) if you need assistance.

QUESTIONS??
SICB Program Officer:
Susan Williams, Email: programofficer@sicb.org

SICB Business Office:
Toll free: 800-955-1236, FAX: 703-790-2672,
Email: LStrong@BurkInc.com

SICB 2020

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