



## **Executive Committee Meeting Minutes**

**3 January 2018, 2:30 p.m. to 5:30 p.m. – Convention Center, Room 18**

### **3 January 2019 Attendance**

#### **Executive Committee Members:**

Burnett, Lou	President
Wainwright, Peter	Past President
Brainerd, Beth	President-Elect
Gibb, Alice	Secretary
Williams, Susan	Program Officer
Jake, Socha	Program Officer-Elect
Martin, Karen	Treasurer
Miriam Ashley-Ross	Treasurer-Elect
Hill, April	Member-at-Large
Bruener, Creagh	Member-at-Large
Patek, Sheila	DCB, Chair
Buck, Loren	DCE, Chair
Hammond, Kim	DCPB, Chair
Hoke, Kim	DEDB, Chair
Wilcoxon, Travis	DEDE, Chair
Cox, Robert	DEE, Chair
Halanych, Kenneth	DIZ, Chair
Baltzley, Michael	DNSB
Hutchinson, John	DVM, Chair
Müller, Ulrike	Editor, <i>Integrative and Comparative Biology</i>
Lutton, Bram	Educational Council Chair
Combes, Stacey	BP Committee Chair
Burk, Brett	Executive Director, SICB

#### **Committee Chairs and Others not serving on the Executive Committee:**

Blob, Rick	Nominating Committee Chair
Sanger, Thom	Public Affairs Committee Chair
Roer, Bob	Development Committee Chair
Summers, Adam	Editor, <i>Integrative Organismal Biology</i>

**Others present:**

Drupa, Jill           BAI, SICB Manager  
Miller, Suzanne    ICB Managing Editor  
Deery, Cailyn      Oxford Univ. Press  
Hale, Melina        Incoming President Elect  
Westerman, Erica   DAB Secretary

**Call to Order**

Welcome and introduction of Executive Committee members and guests. – President Lou Burnett

**1. Record of Executive Committee Actions**

- a. Approval of minutes from the 2018 Executive Committee Meeting in San Francisco – Burnett**  
(<http://www.sicb.org/about/Minutes%20SICB%20Executive%20Committee%20Meeting%202018.pdf>).

Minutes for 2018 Executive Committee Meeting were approved by a unanimous vote.
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- b. Actions of the Executive Committee and Executive Officers between annual meetings:**
1. Brent Sinclair Appointed to ICB Editorial Board (Approved by 20 Votes of 20 cast).
  2. Appointment of Ulrike Müller as Editor of Integrative and Comparative Biology (Approved by 19 Votes of 20 cast).
  3. [Revised Intellectual Property Policy](#) (with the assistance of Public Affairs Committee)

**2. Officer Reports**

- a. Program Officer – Williams**
1. Program Officer Williams gave an overview of the upcoming meeting.
  2. Eight of twelve symposia received NSF Money; there was also a donation of \$20,000 from Company of Biologists.
  3. Starting this year, there is full registration fee reimbursement for symposium speakers.
  4. Program committee faces a new task: how to organize/schedule workshops. A July deadline for submitting workshops to the Program Committee was proposed.

**b. Secretary – Gibb**

1. Newsletter schedule for 2019.

a. Spring 2019

- i. Mar 5 - materials due, including candidate biographies
- ii. Mar 23 - review on-line draft
- iii. Mar 30 - corrections due
- iv. Apr 1 - newsletter goes on-line

b. Fall 2019

- i. Oct 5 - submission due
- ii. Oct 23 - review on-line draft
- iii. Oct 27 - corrections due
- iv. Nov 1 - newsletter goes online

2. Spring elections

a. Elections occur in the spring for SICB-wide and divisional elections).

The full election schedule is online: go to Resources > Elections > Election Schedule for SICB and Divisions

<http://www.sicb.org/resources/electionschedule.php3>.

- i. Society-wide, Member at Large, Term Begins Following Election
- ii. Society-wide, Member at Large, Jan 2020
- iii. Society-wide, Secretary Elect, Jan 2020
- iv. Society-wide, Program Officer Elect, Jan 2020
- v. DAB, Program Officer, Jan 2020
- vi. DCB, Secretary, Jan 2020
- vii. DCB, Program Officer, Jan 2020
- viii. DCE, Chair Elect, Jan 2020
- ix. DCE, Secretary Elect, Jan 2020
- x. DCPB, Secretary, Jan 2020
- xi. DEDB, Secretary Elect, Jan 2020
- xii. DEDE, Secretary Elect, Jan 2020
- xiii. DEDE, Program Officer Elect, Jan 2020
- xiv. DEE, Secretary Elect, Jan 2020
- xv. DIZ, Program Officer, Jan 2020
- xvi. DNNSB, Program Officer, Jan 2020
- xvii. DPCB, Program Officer Elect, Jan 2020
- xviii. DVM, Program Officer Elect, Jan 2020

b. Nominating committees may use the list of candidates who have previously run for offices which is available on the SICB web site under Resources > Elections > Election Candidates for SICB and Divisions or <http://www.sicb.org/resources/electioncandidates.php3>.

c. Most divisions require a candidate to have a majority to win, so divisions that nominate only two candidates will simplify the election process.

d. Graduate student and postdoctoral members are strongly encouraged to participate in voting.

3. SICB Bylaws changes.
  - a. Several amendments to the SICB Constitution and Bylaws were approved in the Spring 2018 elections: [Bylaws Changes 2018](#)
4. Divisional Best Student Presentation awards.
  - a. Best Student Presentation procedures for administering the awards are posted on the [SICB web site](#) at Resources > Administration, Contacts & Handbooks > Administrative Procedures for Divisional Best Student Presentations. Most divisions now have a selection process for finalists for the BSP oral and some do for posters.
  - b. Division Chairs - please have **divisional secretaries** report the results of Best Student Presentation awards to the SICB Secretary **within 2 weeks** after the annual meeting for posting on the SICB web site and notification of winners.
  - c. Procedures for processing certificates and checks. Divisional Chairs please sign circulating form – **place your signature inside the box.**
5. Other resources on the SICB web site: the @sicb.org emails, list of officers for each division, the SICB calendar, officer manuals; most items are under the Resources tab.
6. Post-meeting Survey: Suggestions for questions are welcome.

c. **Treasurer** – Martin

1. Annual **Treasurer Report** for fiscal year 2019.
2. Presentation of the budget for fiscal year 2020 (7/1/2019-6/30/2020).
3. Key points from Treasurer's Report
  - a. Banner year for student support, Peter Wainwright led initiative to raise over \$100,000 in student funding.
  - b. Income from the endowment is still in good shape, although market has dropped recently.
  - c. SICB has \$2.1 M in assets as of the end of FY 2018.
  - d. Meeting registration fees increased in 2018 and stayed the same in 2019.
  - e. ICB cost for online subscription has decreased and will be \$0 in 2020.
  - f. SICB has maintained a balanced budget from 2017 onward.
  - g. However, the stock market has changed, which erased gains of last fiscal year.
  - h. President and Treasurer suggest reducing slightly how much of the interest/dividend is harvested each year as income.
  - i. Increased costs for the society: childcare, broadening participation, symposia.
  - j. Membership dues will rise slightly next year.



d. **President-Elect** – Brainerd

1. Journals occupied much of the President Elect's time last year.
  - a. For IOB, Brainerd headed the committee to identify the new editor and also lead the team that chose a publisher and established a publishing contract.
  - b. There was also a search for a new editor for ICB in fall of 2018. President-Elect led the search to identify editor candidates. Efforts were made to establish a diverse pool and reduce implicit bias during the search.
2. President-Elect also worked to determine interest in potential "Botany Division" (name to be formalized later) at SICB.
3. President-Elect recruited a large and diverse pool of people to serve on standing committees.

e. **President** – Burnett

1. Support of the Executive Officers for the President is very important and appreciated.
2. Code of conduct has been recently established for SICB. Seems to be working, will continue to be improved over time.
3. Budget transparency for SICB will continue to be a societal goal.
4. Double your dues campaign will continue in 2019. SICB will also seek planned giving, but would prefer not to establish more named funds. Named Awards can still be given.
5. Revamping the website will be an ongoing process.

**3. Committee Reports**

a. **Journal, *Integrative and Comparative Biology*** – Ulrike Müller

1. Editor Report – presented by Managing Editor Suzanne Miller
  - a. 102 of 121 possible papers from SICB 2018 Symposia appeared/will appear in press.
  - b. Most ICB papers are through the review pipeline in 12 weeks or less time.
  - c. Projection for 2019: 122 published symposium papers, with 5 exemptions.
2. Publisher's Report – presented by Cailyn Deery, OUP. Please note that this is a CONFIDENTIAL report.

b. **Journal, *Integrative Organismal Biology*** – Adam Summers

- a. IOB selected Oxford University Press as the journal's publisher.
- b. Editor recruited 8 Associate Editors that represent all 11 Divisions.
- c. Diverse authors have been recruited for early issues.
- d. Manuscript reviews are edited to remove pejorative comments.
- e. Google-crowdsourcing will enable translation of IOB Abstracts into a

- variety of languages.
- f. Every single article receives a ‘cover image’ to use for media/social media/outreach purposes.
  - g. Outreach associates cultivated by the editor will help promote the articles from the journal in social media.

#### **4. Standing Committee and other Reports**

1. Advisory – Wainwright
2. Educational Council – Lutton
  - a. Education Council seeks to grow the database of educational material on SICB’s website. Ed Council seeks to have materials submitted by various divisions and peer reviewed by the divisions.
3. Membership – Gibb
4. Nominating – Blob
5. Editorial Board, *ICB* –Ulrike Müller (included in Journal Reports above)
6. Editorial Board, *IOB* – Adam Summers (included in Journal Reports above)
7. Student/Postdoctoral Affairs – John Hutchinson, Incoming Chair
  - a. SPDAC hosted a “Power-up” Poster making workshop both before and at the meeting.
8. Student Support – Moore (GIAR and FGST awards will be announced at the SICB business meeting)
9. Finance Committee – K. Martin (included in Treasurer Report)
10. Public Affairs (PAC) – Sanger
  - a. PAC is hosting a “Wow” moments in Science video competition and several workshops at the meeting.
11. Program – Williams (included in Program Officer Report)
12. Development – Roer
  - a. Donations were substantial in 2018.
  - b. An award will be given in honor of Steve Vogel; Tom Daniel lead the charge.
  - c. SICB online store: Revenue goes to SICB student support.
13. Broadening Participation (BPC) – Combes
  - a. BPC has made outreach efforts to local schools; goal is to bring in students for whom it isn’t expensive to travel to the meeting.
  - b. There has been an increased donation from Gans foundation: 45 Awards given for this upcoming meeting.
  - c. More money was given to international students to travel to the 2019 meeting than in previous years.
  - d. BPC sponsors a meeting mentor program. This year 105 mentees were matched to 75 mentors.

#### **5. Reports from Divisional Chairs**

1. Animal Behavior: Report given by DAB Secretary
  - a. Division has seen exceptional participation in Best Student Paper (BSP) judging. Division has newly named BSP oral session.

2. Comparative Biomechanics: Patek, Sheila
3. Comparative Endocrinology: Loren Buck
  - a. Bern Award fundraising/support is increasing.
4. Comparative Physiology & Biochemistry: Hammond, Kim
  - a. Bart Award fundraising/support continues to grow and the award is close to fully funded. The division has recently changed the BSP entry criteria; now an extended abstract is required.
5. Evolutionary Developmental Biology: Hoke, Kim
  - a. DEDB will offer seven presentations in competition for BSP oral presentation in one session. They will also host “Evodevo” dinners and coffee sessions; in these sessions, 39 students are matched to 56 mentors/connections.
6. Ecoimmunology & Disease Ecology: Wilcoxon, Travis
  - a. The division will change BSP rules for future meetings. Growth is strong, but they do have judging coverage this year. DEDE is co-sponsoring several symposia at the 2019 meeting.
7. Ecology & Evolution: Cox, Robert
  - a. The division continues to offer a single named session for BSP Orals. The division may seek a member-supported divisional fund, but has not yet taken the idea to a vote with membership.
8. Invertebrate Zoology: Halanych, Kenneth
  - a. The division’s BSP has been changed to a named award session. The Libby Hyman auction will be held this year.
9. Neurobiology, Neuroethology, and Sensory Biology: Baltzley, Michael
  - a. Division has made improvements to the rubric for judging, which is also circulated to students. DNNSB is considering regional BSP awards.
10. Phylogenetics & Comparative Biology: Claeson, Kerin
11. Vertebrate Morphology: Hutchinson, John

## 6. New Business

- a. Honorary Membership - Sandra Gaunt
  1. Nominated for Honorary Membership: Sandy Gaunt: Curator Emerita, Research Associate, Published Author, Donated to SICB at several levels.

Vote to approve Sandra Gaunt for Honorary Membership. Unanimous Vote: AYE
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- b. Guidelines for Broadening Participation in SICB’s Leadership, Programs and Awards

Lou Burnett: Society is developing Guidelines for recruitment and nomination of named lectures and awards. Discussion to be continued on the final day of the meeting.
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- c. *New Business to be continued on 7 January 2019*

**7. Recognition of Executive Committee Members:** SICB Executive Committee members ending their terms at the end of the 2019 meeting

<b>Society-wide Officers:</b>	
Lou Burnett	President
Karen Martin	Treasurer
Marty Martin	ICB Editor
<b>Divisional Chairs:</b>	
Jennifer Gumm	DAB
Sheila Patek	DCB
Robert Cox	DEE
Kerin Claeson	DPCB
John Hutchinson	DVM

**7. Adjournment:** The meeting was adjourned at 5:30 on 3 January 2019.

**7 January 2019, 7:00 a.m. to 9:00 a.m. – Marriott Waterside, Florida Salons 1-3**

**7 January 2019 Attendance**

**Executive Committee Members:**

Burnett, Lou	President
Wainwright, Peter	Past President
Brainerd, Beth	President-Elect
Gibb, Alice	Secretary
Williams, Susan	Program Officer
Jake, Socha	Program Officer-Elect
Miriam Ashley-Ross	Treasurer-Elect
Patek, Sheila	DCB, Chair
Hammond, Kim	DCPB, Chair
Hoke, Kim	DEDB, Chair
Cox, Robert	DEE, Chair
Halanych, Kenneth	DIZ, Chair
Baltzley, Michael	DNNSB
Hutchinson, John	DVM, Chair
Müller, Ulrike	Editor, <i>ICB</i>
Lutton, Bram	Educational Council Chair

Combes, Stacey                      BP Committee Chair  
Burk, Brett                            Executive Director, SICB

**Committee Chairs and Others not serving on the Executive Committee:**

Sanger, Thom                      Public Affairs Committee Chair

**Others present:**

Drupa, Jill                            BAI, SICB Manager  
Miller, Suzanne                      ICB Managing Editor  
Hale, Melina                          Incoming President Elect  
Hunt, Kathleen                        DCE Chair-Elect

**1. Call to Order:** The meeting was called to order at 7:20 a.m. by President Lou Burnett, after starting at 7:00 a.m. with a breakfast Meet and Greet for the 2019 symposium organizers. Burnett welcomed and thanked the symposium organizers and had them introduce themselves. Then members of the Executive Committee and other guests who were present were introduced.

**6. New Business (continued from 3 January 2019)**

1. SICB budget is proposed for the new fiscal year. Approving the budget will also approve a dues increase for all members. There will be a \$5 increase for most categories, \$9 for student members.

Executive committee voted on budget. Approved by unanimous AYE vote.

2. Named funds are currently “harvested” annually at 4% of the 5 year trailing average of the value of the fund; the Treasurer and Treasurer-Elect recommend changing this number to 3.5%, in order to be more conservative for the upcoming years because of ongoing stock market volatility. The executive committee sets the cap on the draw of the funds.

Executive committee voted to change how money is collected from the interest on the SICB endowment; new cap set at 3.5% of the trailing average of the value of the fund. Change is approved by unanimous AYE vote.

3. Public Affairs Committee developed a new Intellectual Property and Social Media Policy. Thom Sanger, PAC Chair, gives a brief explanation/overview of the policy.

Vote on new Intellectual Property and Social Media Policy is held. Passes with unanimous AYE vote.

4. New Division of Organismal Botany has been proposed. There was a “Green Wave” at

the meeting; people involved in the “Green Wave” signed on as founding members (24 botanists and Beth Brainerd). Executive committee must vote to create the new Division, but the name can be changed by the members of the new division. Interim officers will be named for 2019-spring/summer 2020. Discussion among committee members concludes the only downside is that the annual meeting could potentially grow larger.

Vote to approve new “Division of Botany” is held. Passes with unanimous AYE vote.

5. Executive Committee has developed a document on Broadening Participation Guidelines for SICB awards, honors and named lectures. Discussion among Executive Committee about details of policy; topics include: definitions of diversity, facilitating participation by attendees with disabilities and mental health disabilities. President-Elect suggests possible oversight of awards by Divisional Chairs and Officers.

The vote to approve new Broadening Participation Guidelines for SICB awards, honors and named lectures is held. Passes with unanimous AYE vote.

**7. Adjournment:** Executive Committee Business Meeting was adjourned at 9:00 AM on 7 January 2019.

## **Program Committee Report 2019**

### **Susan Williams, Chair Program Committee**

#### Program Committee

Susan Williams (Program Officer), Jake Socha (Program Officer-Elect), Scott MacDougall-Shackleton (DAB), Phil Anderson (DCB), Brian Walker (DCE), Wes Dowd (DCPB), Yui Suzuki (DEDB), Greg Demas (DEDE), Michele Nishiguchi (DEE), Linda Walters (DIZ), Jeff Riffell (DNB), Todd Oakley (DPCB), Brooke Flammang (DVM), Amy Moran (AMS), and John Zardus (TCS). In addition, this year we were assisted by Jenny Gumm (DAB)

The Program Committee met in Tampa, FL on October 5-7, 2018 to view the venue and to organize abstracts into cohesive sessions, and to select symposia for the 2020 SICB meeting in Austin, TX. The abstracts were organized into:

- 1) Plenary Session – Peter Wainwright, Past-President
- 2) 4 special lectures
  - a. Bartholomew Lecture: Ben Dantzer
  - b. Bern Lecture: Michael Romero
  - c. Moore Lecture: Kevin Padian
  - d. AMS Lecture: David-Bruce Conn
- 3) 134 sessions, 1806 total abstracts
- 4) 3 days of posters (773 posters)
- 5) 12 Symposia

Abstract submission, compared to last year was uneventful. We moved to a new server and the SICB Webmaster and I did pretty extensive testing of the abstract submission process to make sure it was functional before going live. We only had a couple of minor issues that were quickly fixed. There were 1854 total abstract submissions to the online system. After removal of duplications, errors, and cancellations, this reduced to 1806 presentations for the final program (as of December 21, including 1033 talks and 773 posters. Notification of abstract acceptance went out in mid-October. The number of submissions and final presentations were lower than last year's record submissions (1988) and final presentations (1938) for San Francisco.

This year we had what may be a record number of workshops and special meetings as part of the program (17 total). As Program Chair:

- 1) I worked with the Chairs of the Public Affairs Committee, the Broadening Participation Committee, the Student and Postdoctoral Affairs Committee, and the Education Council to formalize workshops during the meeting. Workshops will be offered each of the 4 days of the meeting as well as an additional workshop the day after the meeting. The Workshops that we will have in Tampa are
  - a. Broadening Participation: Creating a comfortable and welcoming learning community: From a strategic syllabus to realized student engagement.
  - b. Student and Postdoctoral Affairs Committee: Poster Power-Up
  - c. Public Affairs: The Art of Persuasive Communication: When Acting Meets Science with Eliza VanCort (2 sessions – 1 large and 1 small format)
  - d. Student Support Committee: Writing competitive GIAR/FGST applications
  - e. TAL-X: Identifying the core concepts of vertebrate morphology teaching: a means to enhance active learning and retention in the classroom
  - f. Sketchnotes
- 2) I also worked with members, division representatives, symposium organizers and other entities to develop and coordinate special programs including occurring from Jan 3-8:

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  - f. Sketchnotes
- 2) I also worked with members, division representatives, symposium organizers and other entities to develop and coordinate special programs including occurring from Jan 3-8:



- a. RCN Steering Committee Grand Challenge: OSyM: Organismal Systems-level Modeling network and RCN Information session / Brown Bag Lunch - OSyM: Organismal Systems-level Modeling network
- b. NSF Workshops: Update on the IOS solicitation and Q&A; Functional genomics resources and the EDGE program
- c. Best practices for using NGS-based datasets to determine statistically robust evidence of positive selection and convergent evolution of polar organisms
- d. 500 Women Scientists Meetup
- e. Affiliated with Symposium 3: Principles and analysis of small, high acceleration systems in biology and synthetic systems
- f. Affiliated with Symposium 4; “Mastering Materials Imaging: Pushing boundaries in SEM and x-ray tomography” and an AMIRA training workshop
- g. DPCB Ask-An-Expert: Get phylogenetic and comparative methods support with an expert
- h. Affiliated with Symposium 7: Evolutionary Biomechanics Mentoring and Networking Luncheon
- i. Particle Image Velocimetry for Experimental Biology: Principles, Implementation, and a Hands-on session

I worked with the twelve 2019 symposium organizers to develop their symposium schedules, pick complementary session abstracts and ensure that they were in compliance with ICB requirements. I worked with symposium organizers and the SICB Webmaster to make sure that their symposia were publicized correctly on the web and in the program. I also assisted a few symposium organizers making last minute adjustments to schedules, including finding new speakers due to last minute cancellations.

I worked with President-Elect Beth Brainerd to coordinate and publicize the Special Focus Meeting on Plant Biology and Rising Star in Organismal Botany Award on the webpage. I worked with the SICB Webmaster to modify the abstract submission process to allow folks to associate their abstracts with the Special Focus Meeting and students to sign up for the Rising Star Award competition. I worked with Stacey Smith to coordinate selection of students for the Rising Star Award Session. I programmed sessions related to the Special Focus Meeting on Plant Biology, including the Rising Star Session, a poster session, the Complementary Session to Symposium 1: Integrative Plant Biology, and the Botany at SICB Organizational Meeting and Social Event.

I worked with member Catherine Loudon to coordinate a special session in honor of Mimi Koehl and with the SICB Webmaster to enable submissions to the Special Sessions in honor of Mimi Koehl (Ekoehlogical Biomechanics: A Tribute to Mimi Koehl). Program Officer-Elect programmed the two sessions in consultation with Catherine Loudon and Mimi Koehl.

I worked with the Program Officer-Elect (Jake Socha) to ensure continuity from previous procedures to manage the responsibilities of Program Officer.

I worked with Burk, Inc and SICB Webmaster to develop information for the Meetings Webpage and the published program.

I worked with presenters, Burk, Inc, and the SICB Webmaster to finalize the program in the face of multiple changes that occurred between October and December.

I worked with the Program Committee, individual SICB members, and the *ICB* Editorial Board to generate interest from members in proposing symposia for the upcoming 2020 meeting in Austin. Reaching out to the Editorial Board at the annual meeting was continued from previous years, intended to reflect that the symposia generate the

primary content for the journal. We selected 11 symposia, and will continue discussions on strategies to help ensure that a sufficient number of symposia are proposed to allow a full and high-quality program in future years.

To improve efficiency of programming we will make two changes next year:

- 1) Implement a new rule that competitors for a BSP in a Division cannot also select the option of being complementary to a symposium. Both selections typically have review processes, but not by the same groups (division reviews and symposium organizer reviews, respectively). This requires multiple communications between these groups during the decision process, causing delays and compressing the decision process for each selection. The number of presentations in each group has grown to the point that such interchange is no longer manageable, and the Program Officers strongly supported a policy that submissions could only select one or the other of these options.
- 2) There will be an official application for non-SICB committee workshops. This year we saw a major increase in the number of non-committee workshops ranging from those associated with symposia to those organized by single members. While we want to be supportive of these workshops, we also need to be selective and make sure that they are not burdening SICB officers and the staff at Burk, Inc to coordinate and that they are not resulting in additional costs for the society.

- a. RCN Steering Committee Grand Challenge: OSyM: Organismal Systems-level Modeling network and RCN Information session / Brown Bag Lunch - OSyM: Organismal Systems-level Modeling network
- b. NSF Workshops: Update on the IOS solicitation and Q&A; Functional genomics resources and the EDGE program
- c. Best practices for using NGS-based datasets to determine statistically robust evidence of positive selection and convergent evolution of polar organisms
- d. 500 Women Scientists Meetup
- e. Affiliated with Symposium 3: Principles and analysis of small, high acceleration systems in biology and synthetic systems
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- g. DPCB Ask-An-Expert: Get phylogenetic and comparative methods support with an expert
- h. Affiliated with Symposium 7: Evolutionary Biomechanics Mentoring and Networking Luncheon
- i. Particle Image Velocimetry for Experimental Biology: Principles, Implementation, and a Hands-on session

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To improve efficiency of programming we will make two changes next year:

- 1) Implement a new rule that competitors for a BSP in a Division cannot also select the option of being complementary to a symposium. Both selections typically have review processes, but not by the same groups (division reviews and symposium organizer reviews, respectively). This requires multiple communications between these groups during the decision process, causing delays and compressing the decision process for each selection. The number of presentations in each group has grown to the point that such interchange is no longer manageable, and the Program Officers strongly supported a policy that submissions could only select one or the other of these options.
- 2) There will be an official application for non-SICB committee workshops. This year we saw a major increase in the number of non-committee workshops ranging from those associated with symposia to those organized by single members. While we want to be supportive of these workshops, we also need to be selective and make sure that they are not burdening SICB officers and the staff at Burk, Inc to coordinate and that they are not resulting in additional costs for the society.

## **Program Committee Report 2019**

### **Susan Williams, Chair Program Committee**

#### Program Committee

Susan Williams (Program Officer), Jake Socha (Program Officer-Elect), Scott MacDougall-Shackleton (DAB), Phil Anderson (DCB), Brian Walker (DCE), Wes Dowd (DCPB), Yui Suzuki (DEDB), Greg Demas (DEDE), Michele Nishiguchi (DEE), Linda Walters (DIZ), Jeff Riffell (DNB), Todd Oakley (DPCB), Brooke Flammang (DVM), Amy Moran (AMS), and John Zardus (TCS). In addition, this year we were assisted by Jenny Gumm (DAB)

The Program Committee met in Tampa, FL on October 5-7, 2018 to view the venue and to organize abstracts into cohesive sessions, and to select symposia for the 2020 SICB meeting in Austin, TX. The abstracts were organized into:

- 1) Plenary Session – Peter Wainwright, Past-President
- 2) 4 special lectures
  - a. Bartholomew Lecture: Ben Dantzer
  - b. Bern Lecture: Michael Romero
  - c. Moore Lecture: Kevin Padian
  - d. AMS Lecture: David-Bruce Conn
- 3) 134 sessions, 1806 total abstracts
- 4) 3 days of posters (773 posters)
- 5) 12 Symposia

Abstract submission, compared to last year was uneventful. We moved to a new server and the SICB Webmaster and I did pretty extensive testing of the abstract submission process to make sure it was functional before going live. We only had a couple of minor issues that were quickly fixed. There were 1854 total abstract submissions to the online system. After removal of duplications, errors, and cancellations, this reduced to 1806 presentations for the final program (as of December 21, including 1033 talks and 773 posters. Notification of abstract acceptance went out in mid-October. The number of submissions and final presentations were lower than last year's record submissions (1988) and final presentations (1938) for San Francisco.

This year we had what may be a record number of workshops and special meetings as part of the program (17 total). As Program Chair:

- 1) I worked with the Chairs of the Public Affairs Committee, the Broadening Participation Committee, the Student and Postdoctoral Affairs Committee, and the Education Council to formalize workshops during the meeting. Workshops will be offered each of the 4 days of the meeting as well as an additional workshop the day after the meeting. The Workshops that we will have in Tampa are
  - a. Broadening Participation: Creating a comfortable and welcoming learning community: From a strategic syllabus to realized student engagement.
  - b. Student and Postdoctoral Affairs Committee: Poster Power-Up
  - c. Public Affairs: The Art of Persuasive Communication: When Acting Meets Science with Eliza VanCort (2 sessions – 1 large and 1 small format)
  - d. Student Support Committee: Writing competitive GIAR/FGST applications
  - e. TAL-X: Identifying the core concepts of vertebrate morphology teaching: a means to enhance active learning and retention in the classroom
  - f. Sketchnotes
- 2) I also worked with members, division representatives, symposium organizers and other entities to develop and coordinate special programs including occurring from Jan 3-8:

- a. RCN Steering Committee Grand Challenge: OSyM: Organismal Systems-level Modeling network and RCN Information session / Brown Bag Lunch - OSyM: Organismal Systems-level Modeling network
- b. NSF Workshops: Update on the IOS solicitation and Q&A; Functional genomics resources and the EDGE program
- c. Best practices for using NGS-based datasets to determine statistically robust evidence of positive selection and convergent evolution of polar organisms
- d. 500 Women Scientists Meetup
- e. Affiliated with Symposium 3: Principles and analysis of small, high acceleration systems in biology and synthetic systems
- f. Affiliated with Symposium 4; “Mastering Materials Imaging: Pushing boundaries in SEM and x-ray tomography” and an AMIRA training workshop
- g. DPCB Ask-An-Expert: Get phylogenetic and comparative methods support with an expert
- h. Affiliated with Symposium 7: Evolutionary Biomechanics Mentoring and Networking Luncheon
- i. Particle Image Velocimetry for Experimental Biology: Principles, Implementation, and a Hands-on session

I worked with the twelve 2019 symposium organizers to develop their symposium schedules, pick complementary session abstracts and ensure that they were in compliance with ICB requirements. I worked with symposium organizers and the SICB Webmaster to make sure that their symposia were publicized correctly on the web and in the program. I also assisted a few symposium organizers making last minute adjustments to schedules, including finding new speakers due to last minute cancellations.

I worked with President-Elect Beth Brainerd to coordinate and publicize the Special Focus Meeting on Plant Biology and Rising Star in Organismal Botany Award on the webpage. I worked with the SICB Webmaster to modify the abstract submission process to allow folks to associate their abstracts with the Special Focus Meeting and students to sign up for the Rising Star Award competition. I worked with Stacey Smith to coordinate selection of students for the Rising Star Award Session. I programmed sessions related to the Special Focus Meeting on Plant Biology, including the Rising Star Session, a poster session, the Complementary Session to Symposium 1: Integrative Plant Biology, and the Botany at SICB Organizational Meeting and Social Event.

I worked with member Catherine Loudon to coordinate a special session in honor of Mimi Koehl and with the SICB Webmaster to enable submissions to the Special Sessions in honor of Mimi Koehl (Ekoehlogical Biomechanics: A Tribute to Mimi Koehl). Program Officer-Elect programmed the two sessions in consultation with Catherine Loudon and Mimi Koehl.

I worked with the Program Officer-Elect (Jake Socha) to ensure continuity from previous procedures to manage the responsibilities of Program Officer.

I worked with Burk, Inc and SICB Webmaster to develop information for the Meetings Webpage and the published program.

I worked with presenters, Burk, Inc, and the SICB Webmaster to finalize the program in the face of multiple changes that occurred between October and December.

I worked with the Program Committee, individual SICB members, and the *ICB* Editorial Board to generate interest from members in proposing symposia for the upcoming 2020 meeting in Austin. Reaching out to the Editorial Board at the annual meeting was continued from previous years, intended to reflect that the symposia generate the

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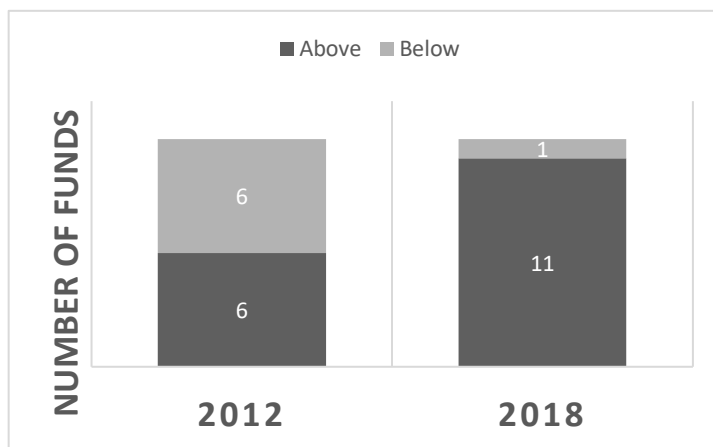
To improve efficiency of programming we will make two changes next year:

- 1) Implement a new rule that competitors for a BSP in a Division cannot also select the option of being complementary to a symposium. Both selections typically have review processes, but not by the same groups (division reviews and symposium organizer reviews, respectively). This requires multiple communications between these groups during the decision process, causing delays and compressing the decision process for each selection. The number of presentations in each group has grown to the point that such interchange is no longer manageable, and the Program Officers strongly supported a policy that submissions could only select one or the other of these options.
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## Treasurer's Report, January 2019

Over the past 6 years, I have worked to increase transparency and accountability for the financial structure of SICB. With a great deal of help from Presidents Swalla, Wainwright, and Burnett, and President-Elect Brainerd, as well as Treasurer-Elect Ashley-Ross, we have made a number of improvements.

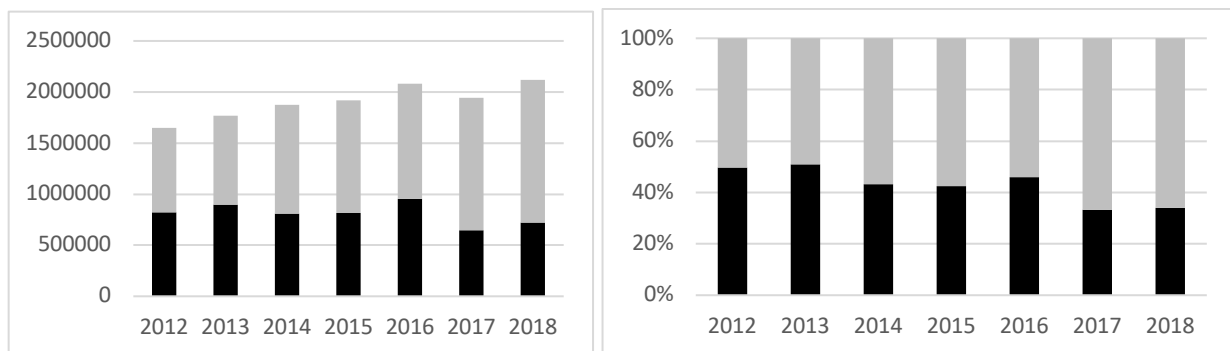
The status of the 12 Named Funds has never been better. All are accessible to the Executive and Division officers as appropriate with updated information online. Generous donations from members and friends have grown the Named Funds so that all but one reached the \$25,000 benchmark for sustainability (Figure 1). A new method for making donations for student research honors multiple distinguished colleagues on an annual basis. In FY 2018, \$58,838 was donated by SICB members and friends.



**Figure 1:** Of 12 named funds, all but one has achieved the \$25K benchmark to date.

Division dues and expenses, previously updated only once a year, are now available online and regularly updated. Dues can be used with some discretion by Divisions for socials, symposium support, regional or international meetings, and other activities.

SICB assets include investments, primarily the Named Funds and a bit of general funds. Six years ago, the investments accounted for about 50% of the total value of the organization. Today, both the total assets and the investments have increased in value, with investments now about 66% of the total (Figure 2), the result of donations, better stewardship of expenditures, and a new method for distributing annual investment returns. Now, investments are separated from operations at the end of the fiscal year to better inform financial decisions. In the future, stock market volatility may require a change of distribution rate from 4% to 3.5% of the running 5-year average.



**Figure 2:** L, Named funds (in grey) as part of the total assets (full column). R, Named funds (in grey) as a proportion of the total assets (full column).

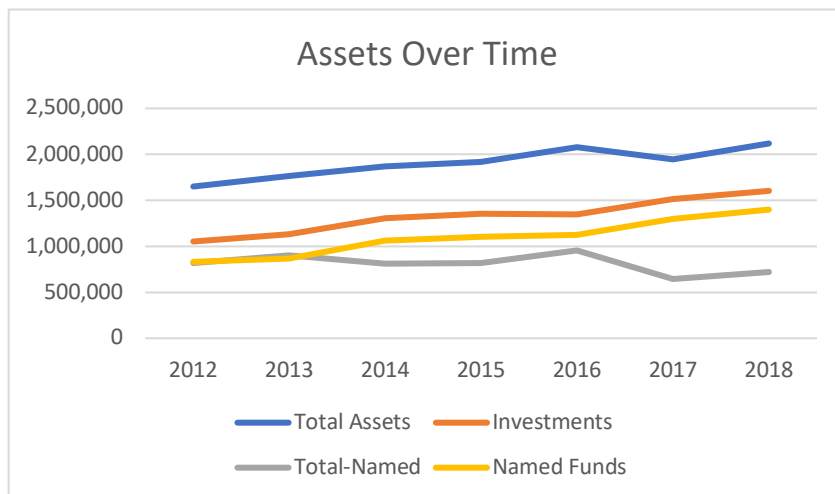


The flagship journal *Integrative and Comparative Biology* plays a vital but changing role in the financial health of SICB. Member subscription costs for online subscriptions are now much lower than for print. The editorial staff has greater resources and freedom. A new open-access journal, *Integrative Organismal Biology*, was launched. Currently Oxford University Press and SICB are investing in editors and online publication. This will eventually provide a new revenue stream via author charges, although expenses are expected to exceed revenues for several years.

Membership dues will increase in 2019 for the first time since 2012. Meeting registration fees increased once in the past 6 years, in 2018. Student support for research and travel to the annual meeting continues to increase to above \$124K in FY 2018.

Symposium support from external sources is strong; internal funds are reliable and available without some of the restrictions of federal funds. Starting in 2019, all symposium speakers who submit a manuscript to ICB by the deadline will be eligible for full reimbursement of their registration funds, rather than the previous \$100 maximum. This will incentivize symposium participation and prompt submission of papers.

There is still work to be done to increase the transparency and reporting of financial information, but the Society is in sound financial shape (Figure 3).

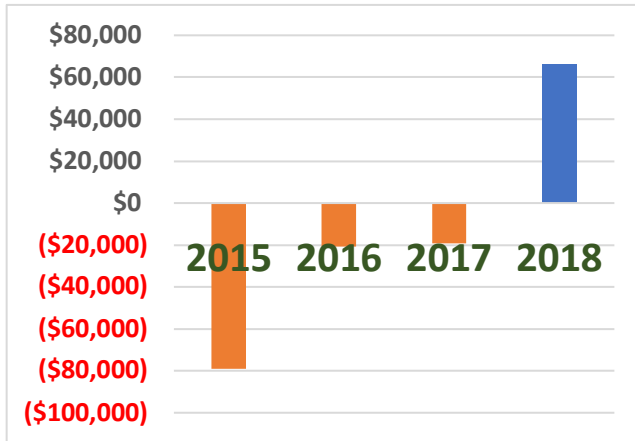


**Figure 3:** Total assets have increased over the past six years, led by investment growth.

The investments and Named Funds have always been used to support the operations of SICB. New methods of reporting financial data have allowed clearer separation of the performance of the investments from the general operating revenues and

expenses of the society. This increased transparency allows the executive officers to better evaluate needed revenues and appropriate expenses.

Over the past four years we have tried to balance the operations budget independently of the performance of the stock market, supplementing with the Named Funds as appropriate. In some cases the Named Funds provide only a portion of the total spent, for example the transfer of 4% of the Mangum Fund for Student Travel provided \$12,465 in FY 2018, with the remainder, \$32,817, from general operating funds. Figure 4 shows the net for annual expenses and revenues for the general operating funds.

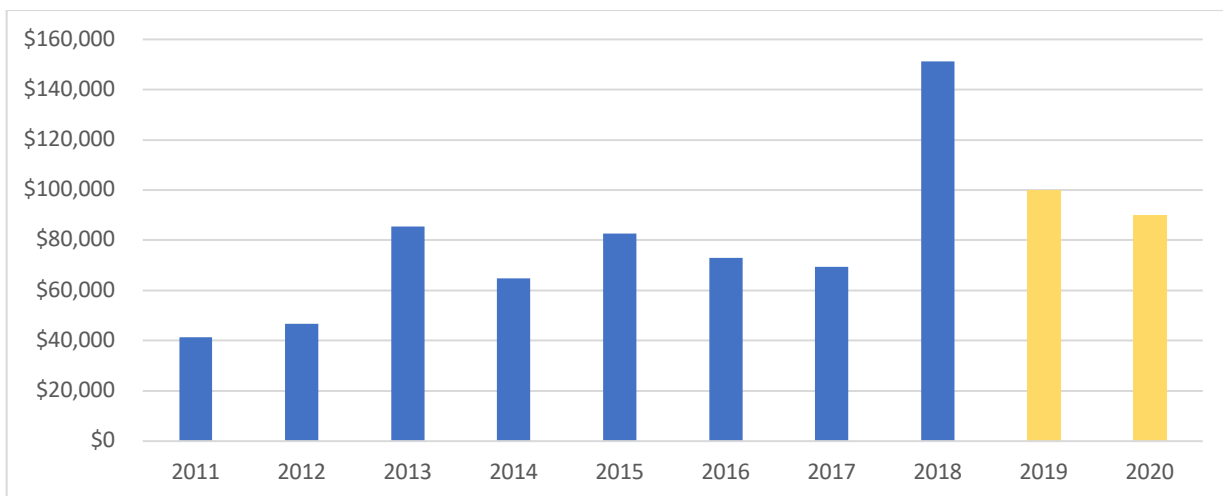


**Figure 4:** Operating expenses for SICB often exceed revenues on an annual basis. These net totals include transfers from the Named Funds.

In the past, Annual Meeting revenues and expenses were calculated without showing symposium support, which was listed separately. Internally the Society provides \$2000 per Division, or up to \$24,000, of general operating funds for Division Program Officers to distribute to support symposia. In

addition, the Society provided \$100 per speaker reimbursement for registration if they submit papers on time, around \$11,000. With the previous accounting method, Annual Meeting revenues and expenses were nearly equal within each year.

However, starting in 2018 symposium expenses are included in the Annual Meeting ledger, and in 2019 these expenses will increase as SICB will reimburse the entire cost of registration for symposium speakers who submit papers to ICB by the deadline, perhaps up to \$40,000. The Annual Meeting includes child care services, and in 2019 these will be completely free for participants, with all the cost to SICB, approximately \$8,000. Thus, expenses will increase and likely be greater than revenues for these meetings. Additional increases in meeting registration rates may be necessary in the future. Expenses for audio-visual services, while vital to the meeting's success, continue to increase to above \$150,000 for the San Francisco 2018 meeting (Figure 5).



**Figure 5:** Expenses for audio-visual services have expanded dramatically. Amounts for 2019 and 2020 are predictions.

The budget for 2020 is presented in Table 1. It is conservative in estimating revenue and the hope is that in the end revenues will outpace expenses, but realistically this may not happen in 2020.

<b>2020 budget SICB</b>	<b>Revenues</b>	<b>Expenses</b>
Administration	\$190,000	\$328,090
Annual Meeting	\$479,700	\$565,390
Strategic Planning		\$ 10,000
Committees	\$15,000	\$ 60,970
Journal ICB	\$266,512	\$ 76,000
Journal IOB	\$ 32,635	\$ 57,000
Memberships		\$ 5,500
Presidential Reserve		\$ 10,000
Other	\$ 8,380	\$ 44,523
<b>TOTAL</b>	<b>\$992,227</b>	<b>\$1,157,473</b>

**Table 1:** Proposed budget for FY 2020.

There are a lot of moving parts in a budget for an organization as large and complex as SICB. Planning is imperfect; revenues and expenses rarely meet expectations. It has been eye-opening and thought-provoking to serve as Treasurer for the past six years. I leave confident that the organization is stronger and that your Executive Officers are up to the challenges of leadership. Your new Treasurer, Miriam Ashley-Ross, will move the organization forward. Thank you for your support.

Respectfully submitted,  
Karen Martin

Treasurer SICB, 2013-2018

## President-Elect Report

As President-Elect I have been busy over the past year with journal-related business: starting up the new SICB journal *Integrative Organismal Biology* and searching for a new Editor for *Integrative and Comparative Biology*.

The formal launch of *Integrative Organismal Biology* will be at this meeting. I'll let *IOB* Editor Adam Summers talk more about the new journal in his report.

This fall I chaired the search for a new Editor for *Integrative and Comparative Biology*. At first the gender balance of our pool of candidates was poor, so the search committee worked hard to recruit women to apply. We eventually received nine applications from six men and three women. Following best practices for reducing unconscious bias, the search committee developed a set of written criteria for evaluating the candidates. The search committee then recommended four candidates to the executive officers for further consideration. The executive officers decided to interview all four and developed a standardized set of interview questions. These questions were read to each candidate in video interviews with the executive officers. The final decision was difficult to make because we were fortunate to have a wealth of outstanding candidates! Professor Ulrike Müller was selected and appointed to a five-year term as the next ICB Editor. Congratulations Ulrike and thanks for taking on this important role! And thanks to the search committee and all of the applicants for participating in this process.

This year I also helped organize a Special Focus Meeting on Organismal Botany for this meeting here in Tampa. Given our history as the American Society of Zoologists, we have a legacy of focus on animals in SICB. This Special Focus Meeting is part of an effort to increase the taxonomic diversity of organisms represented in SICB, and we welcome a diverse group of scientists studying diverse organisms to the SICB community!

One of the few formal jobs of the President Elect is to assist the President in making committee appointments. We have 12 Standing Committees with 126 members, many of whom are appointed by the President. With elected officers, nearly 160 members serve SICB each year. We solicited recommendations from the Executive Committee and have almost finished the appointments for this year.

## PROPOSED AMENDMENTS 2018

Preamble: These amendments are proposed by the SICB Executive Committee for the May 2018 ballot. These changes provide a greater and more specific role for the Program Officer-Elect and lengthens the term of office from one to two years. The office of the Past Program Officer is eliminated.

deletions = ~~strikethrough~~

additions = **bold underline**

## SICB CONSTITUTION

### Article III: Administrative Organization

Section 1. Officers: The executive officers of the Society shall be a President, Past President, President-Elect, Secretary, Secretary-Elect, Program Officer, Program Officer-Elect, ~~Past Program Officer~~, Treasurer and Treasurer-Elect. The President-Elect shall be elected before one annual meeting and serve for a term, as hereinafter provided, and shall then successively and automatically become President for two years and then successively and automatically become Past President for two years. The term of the President-Elect shall be two years. The Secretary-Elect and Treasurer-Elect shall be elected triennially, and shall hold office for a term of one year, and then automatically succeed to their elected office for three years. The expiration date of the terms of these offices shall be arranged so that only one of these two officers need be elected in any one year. The Program Officer-Elect shall be elected to serve for ~~one year~~ **two years** and shall then successively and automatically become Program Officer for two years ~~and then successively and automatically become Past Program Officer for one year.~~

## SICB BYLAWS

### Article VII: Program Officer

Section 1. The Program Officer shall receive and arrange the titles and abstracts of papers submitted for the scientific programs at meetings of the Society.

Section 2. The Program Officer shall, in consultation with the Divisional Program Officers, appoint Chairpersons to preside over scientific sessions.

Section 3. The Program Officer shall oversee the arrangement for and supervise the publication of the programs and abstracts of meetings of the Society.

Section 4. The Program Officer shall chair the Program Committee for the purposes of establishing and organizing the program for the annual meeting.

Section 5. The Program Officer shall serve as an *ex officio* member of the Public Affairs Committee and work with the Public Affairs Committee to broadly advertise the program of the annual meeting.

Section 6. The Program Officer shall serve as an *ex officio* member of the Broadening Participation Committee.



# Integrative & Comparative Biology

Volume 58 Number 3 September 2018

[academic.oup.com/icb](http://academic.oup.com/icb)



# The Journal Of Integrative and Comparative Biology

2018 report

Tampa

# Number of Papers in SICB Symposia 2018

Symposia	Papers Presented at meeting	Papers Published (* including intro)
S1	10	8*
S2	10	9*
S3	11	10*
S4	12	11*
S5	12	8*
S6	10	10*
S7	11	10*
S8	11	7*
S9	12	11*
S10	12	9*
S11	10	9*
TOTAL	121	102

## Reasons for short-fall:

**S5** had an author with family issues that arose yet 2-3 authors who did not follow through after speaking

**S8** had an exemption, a withdrawal due to cost, 2 authors who spoke yet did not follow through with submission and or co authoring when they were understood to submit individually

**S10** had 3 authors who spoke yet did not follow through with submission.

# Number of papers published

2016= 120 (including invited group

3 rejected

(2 resubmitted not accepted

2017 = 117(including invited group)

5 rejected

(4 resubmitted not accepted)

2018= 115(including 12 invited papers)

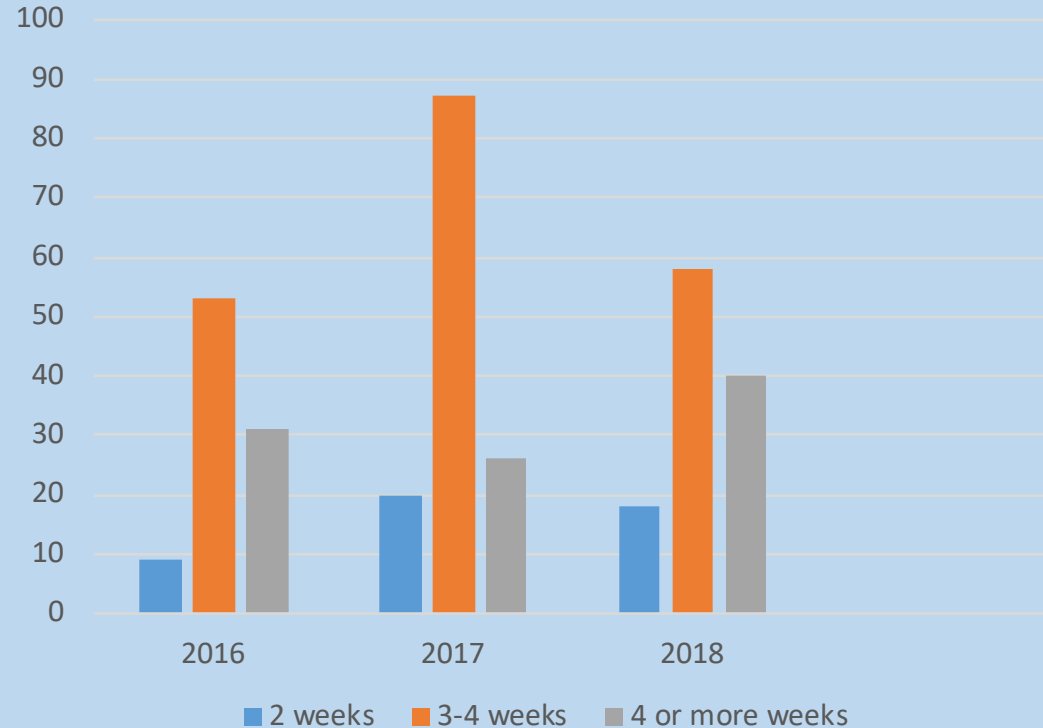
5 rejected (2 from same authors)

( 2 resubmitted and accepted )



# Average length of time a paper was in review 2016/2017/2018

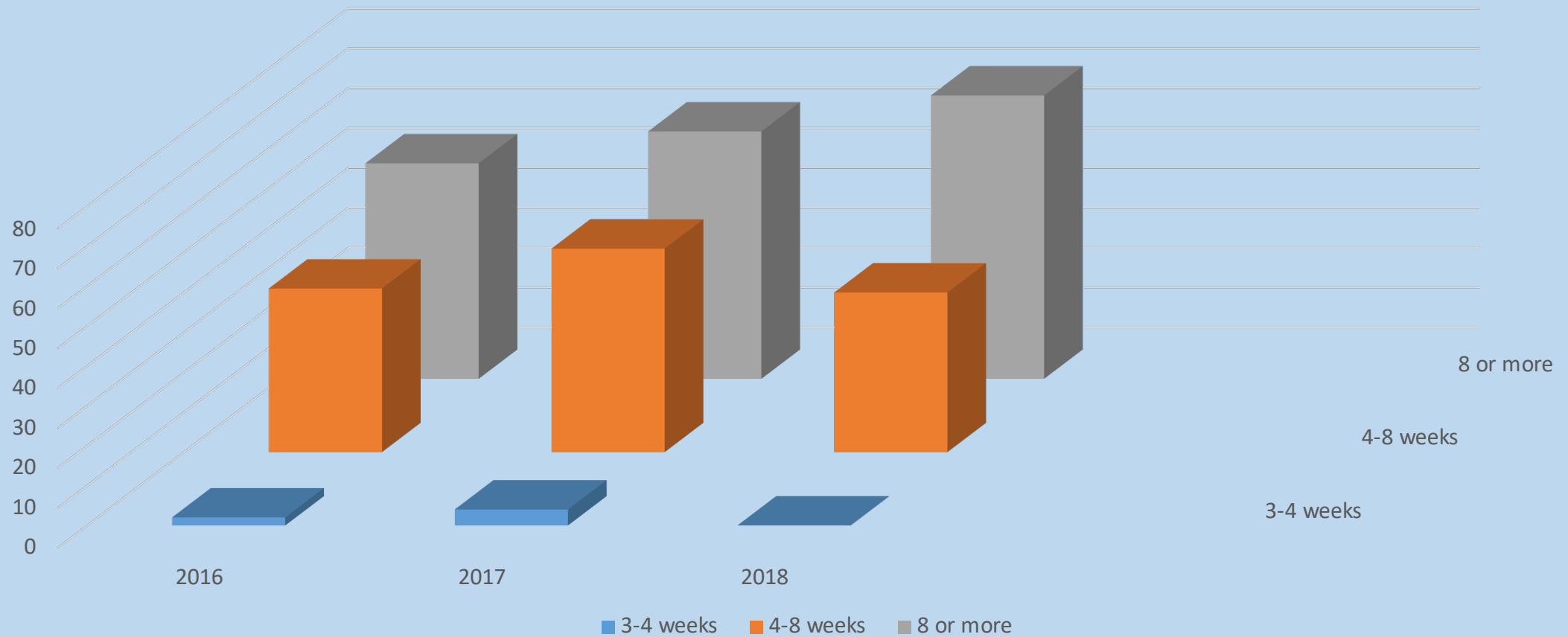
**\*including time to identify referees**



**Why did it take longer this year?**

- many referees requested extra time for reviews

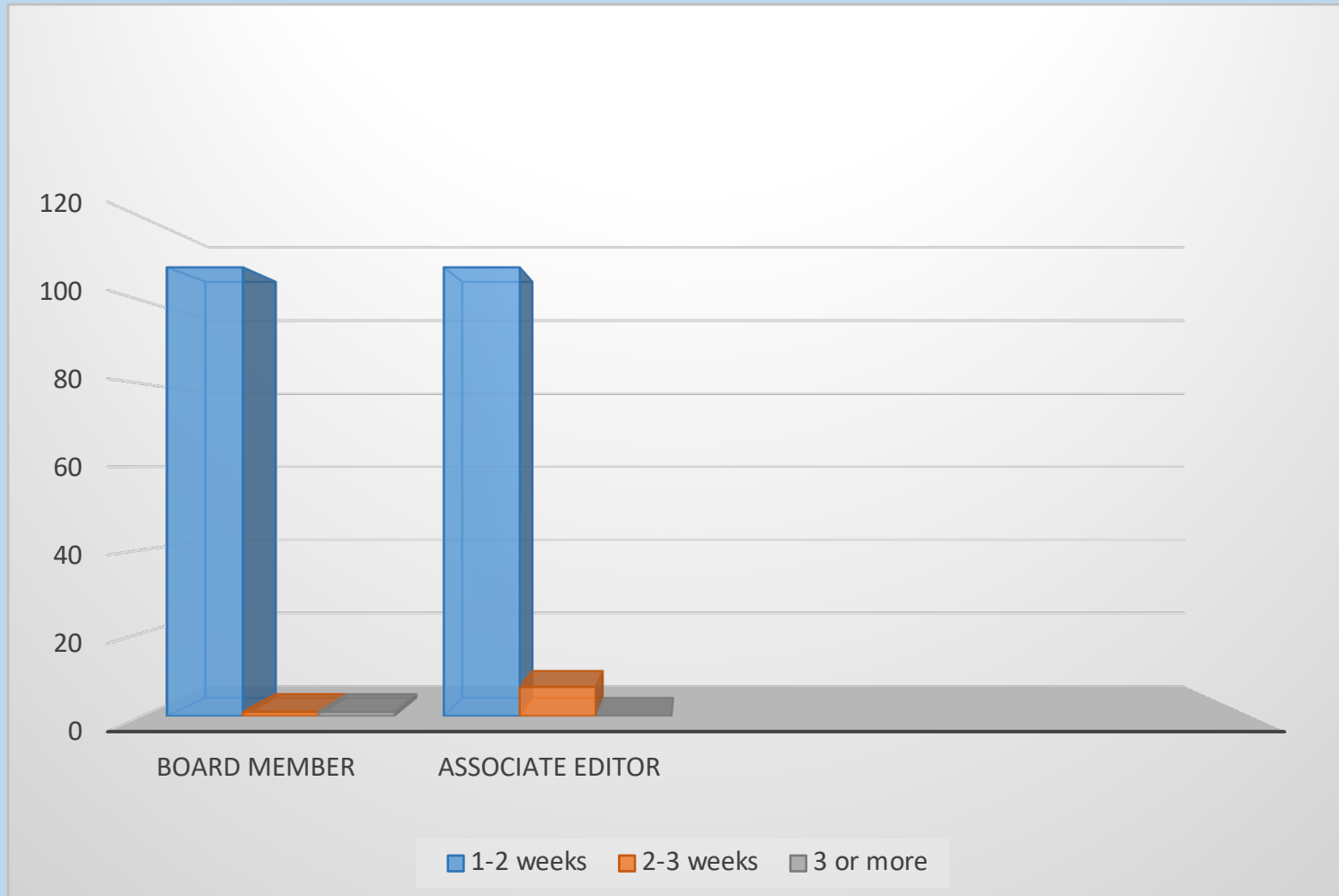
# Average time between initial submission and when manuscripts went to press



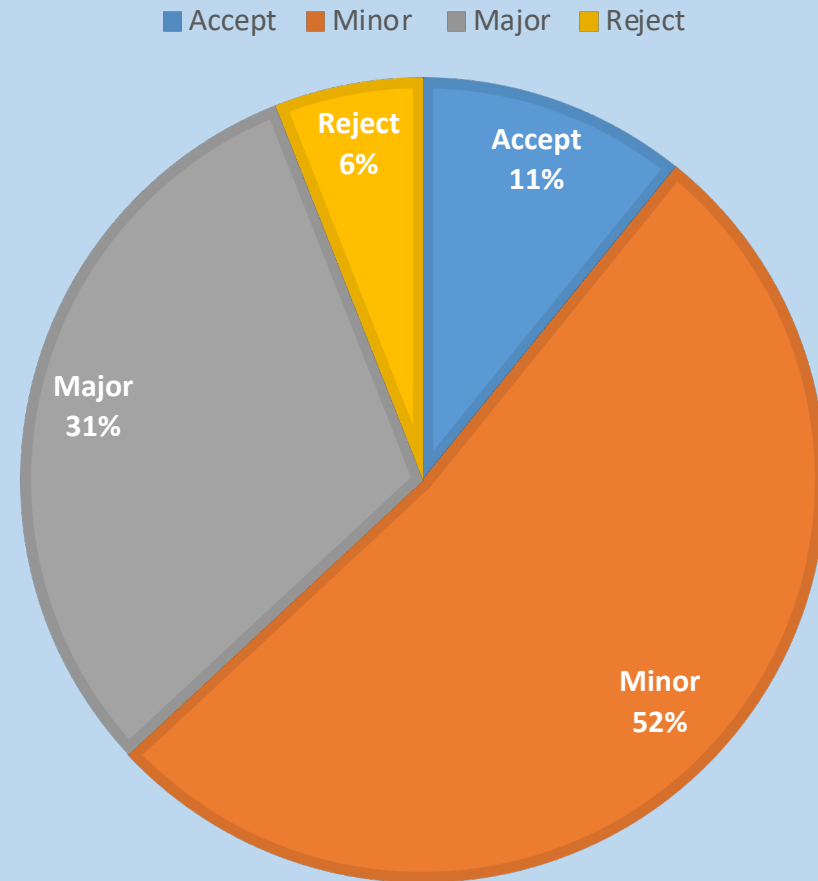
# INITIAL DECISION :

Average time the paper spent with :

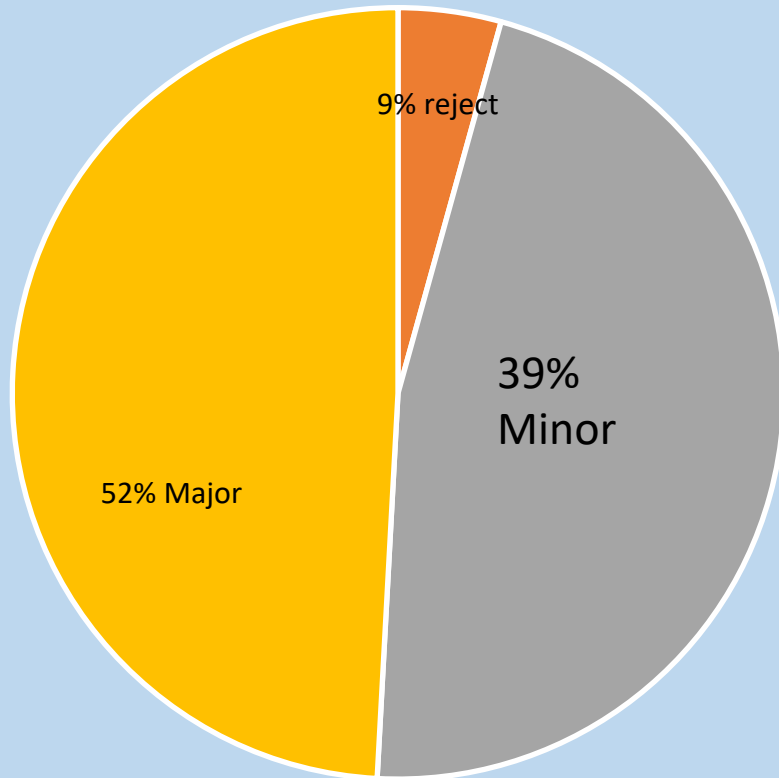
Number of  
manuscripts



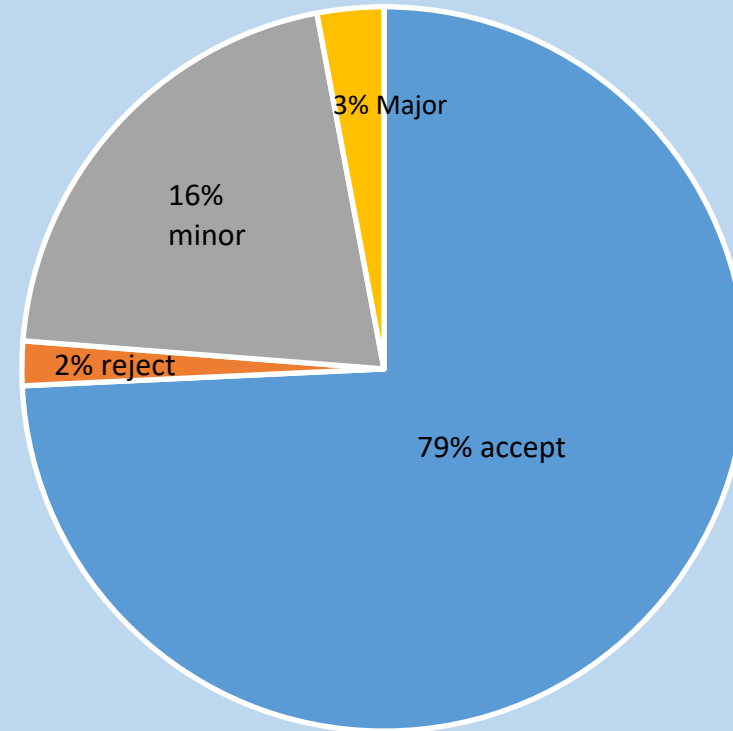
# Reviewer's initial decisions 2018



# Board Member's (Assistant Editor's) initial recommendation / final recommendation (after revision)

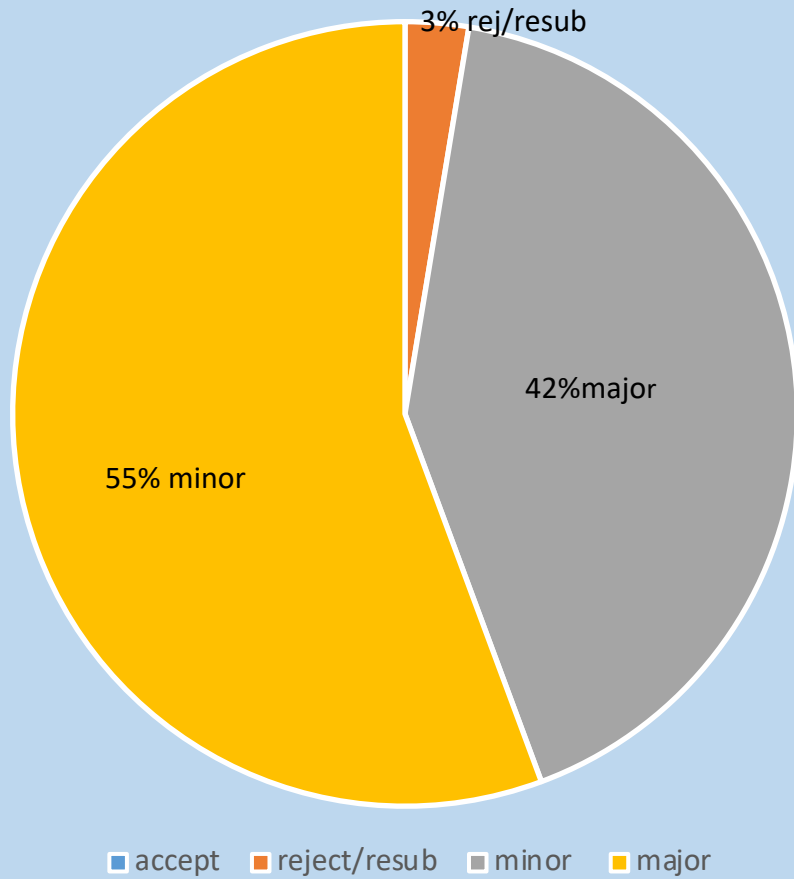


■ accept ■ reject/resub ■ minor ■ major

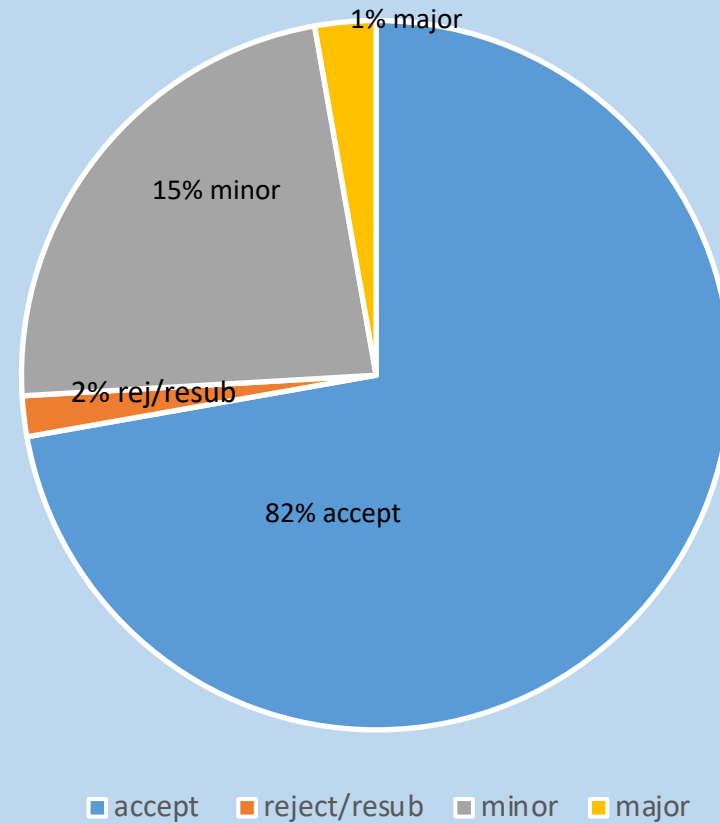


■ accept ■ reject/resub ■ minor ■ major

# Associate Editor's initial decision



# final decision (after revision)



# 2018 symposia

<b>SYMPOSIUM</b>	<b>PAPERS PLEDGED/ PAPERS SUBMITTED *With intros</b>	<b>SUBMITTED ON TIME (January 31<sup>st</sup>)</b>	<b>SUBMITTED LATE (between 2-1 and 3-31)</b>	<b>REVISED ON TIME</b>	<b>REVISED LATE</b>
<b>S-1</b>	10/8	2	6	5	3
<b>S-2</b>	10/9	3	6	5	4
<b>S-3</b>	11/10	3	7	7	3
<b>S-4</b>	12/11	0	11	6	6
<b>S-5</b>	12/8	0	8	4	4
<b>S-6</b>	10/10	0	10	7	3
<b>S-7</b>	11/10	6	4	8	2
<b>S-8</b>	11/7	3	4	4	3
<b>S-9</b>	12/11	2	9	7	4
<b>S-10</b>	12/9	0	9	4	5
<b>S-11</b>	10/9	1	8	5	4

# Symposia for 2018

## **S1 From small and squishy to big and armored: Genomic, ecological and paleontological insights into the early evolution of animals**

Organizers: Erik Sperling and Kevin Kocot Sponsors: DEDB, DEE, DIZ, DPCB, AMS

## **S2 Spatial Scale and Structural Heterogeneity in Skeletal Muscle Performance**

Organizers: David Williams and Natalie Holt Sponsors: DCB & DVM

## **S3 Evolution in the dark: unifying understanding of eye loss**

Organizer: Lauren Sumner-Rooney and Megan Porter Sponsors: DEDB, DEE, DIZ, DNB, DPCB, AMS, and TCS

## **S4 Science Through Narrative: Engaging Broad Audiences (SICB Wide)**

Organizers: Sara Elshafie, Stuart Sumida, and Bram Lutton Sponsors: DAB, DCB, DCE, DEDB, DEDE, DEE, DIZ, DNNSB, DVM; AMS

## **S5 Sensory Feedback and Animal Locomotion: Perspectives from Biology and Biorobotics**

Organizers: Brett Aiello, Jessica Fox, and Gary Gillis Sponsors: DCB, DVM, DNNSB, and DAB

## **S6 Illuminating the Evolution of Endocrine System Variation Through Large-Scale Comparative Analyses**

Organizers: Maren Vitousek and Michele Johnson Sponsors: DAB, DCE, DCPB & DEE

## **S7 Science in the Public Eye: Leveraging Partnerships**

Organizers: Louise Allen, Nickolay Hristov, and Martha Merson Sponsors: iSWOOP, DAB, DCB, DCE, DEDE, DNB, DVM

## **S8 Integrative Biology of Sensory Hair Cells**

Organizers: Duane McPherson and Billie Swalla Sponsors: DEDB, DNNSB & AMS

## **S9 Inside the black box: the mitochondrial basis of life-history variation and animal performance**

Organizers: Karine Saline and Wendy Hood Sponsors: DCPB and DCE

## **S10 Behavioral and physiological adaptation to urban environments**

Organizers: Jenny Ouyang and Davide Dominoni Sponsors: DCE, DAB, DEE, DEDE, DCPB

## **S11 Measuring Biodiversity and Extinction – Present and Past**

Organizer: Julia Sigwart Sponsors: DEDE, DIZ, DPCB



# Incoming 2019 workload

Projected number of submissions:

122 (including complimentary session invitees & one more symposia than last year) not including any other invited papers to come

5 Exemptions requested

5 Exemption granted

March 31 deadline for submissions again this year.

# 2019 symposia

**S1 Integrative Plant Biology** organized by Matt Ogburn & Erika Edwards

**S2 The scale of sickness: how immune variation across space and species affects infectious disease dynamics** organized by Daniel Becker , Lauren Schoenle, Cynthia Downs & Lynn B. Martin

**S3 Playing with Power : Mechanisms of Energy Flow in Organismal Movement** organized by Jeffrey P. Olberding, Michael Rosario & Stephen M. Deban

**S4 Adaptation and Evolution of Biological Materials (SICB Wide)** organized by Rob Campbell & Mason Dean

**S5 Stress phenotype: linking molecular, cellular, and physiological stress responses to fitness** organized by Haruka Wada & Britt Heidinger

**S6 Beyond the powerhouse: integrating mitonuclear evolution, physiology, and theory in comparative biology** organized by Geoffrey Hill & Justin Havird

**S7 Comparative Evolutionary Morphology and Biomechanics in the Era of Big Data** organized by Martha Munoz & Samantha Price

**S8 Multifunctional structures and multistructural functions: Functional coupling and integration in the evolution of biomechanical systems** organized by Stacy Farina, Emily Kane, & Patricia Hernandez

**S9 Chemical responses to the biotic and abiotic environment by early diverging metazoans revealed in the post-genomic age** organized by Paul Long, Laura Mydlarz & Beth Okamura

**S10 The world is not flat: Accounting for the dynamic nature of the environment as we move beyond static experimental manipulations** organized by Timothy Grieves & Rachel Bowden

**S11 Allometry, Scaling and Ontogeny of Form** organized by Frederik Nijhout & Kenneth McKenna

**S12 The path less traveled: Reciprocal illumination of gecko adhesion by unifying material science, biomechanics, ecology, and evolution** organized by Tim Higham, Alyssa Stark & Anthony Russell

**Article VIII: Program Officer-Elect**

Section 1. The Program Officer-Elect shall assist the Program Officer in the duties specified in Article VII. In particular, the Program Officer-Elect will **direct the selection of** assemble the symposia **of the annual meetings**. ~~to be presented the first year after assuming the position of Program Officer.~~

Section 2. The Program Officer-Elect shall assume the duties of the Program Officer in the latter's absence or inability to serve.

~~**Article IX: Past Program Officer**~~

~~Section 1. The Past Program Officer shall assist the Program Officer in the duties specified in Article VII.~~

~~Section 2. The Past Program Officer shall assume the duties of the Program Officer in the absence or inability to serve of the Program Officer and Program Officer-Elect.~~

***TRANSITION – not a part of the proposal, but will be published alongside; in 2018 PO-Elect will assume office immediately after the election in May***

	2016	2017	2018	2019	2020	2021	2022	2023
S. Williams	Elected	PO-Elect	PO	PO				
next PO			Elected; PO-Elect	PO-Elect	PO	PO		
next PO				Elected	PO-Elect	PO-Elect	PO	PO
next PO						Elected	PO-Elect	PO-Elect

Report from the  
Editor of Integrative Organismal Biology  
for the 2019 meeting of SICB in Tampa, Florida

At the 2018 meeting in San Francisco we had a soft launch of the new open access journal in the form of a short presentation at each of the division meetings and at the society-wide meeting. We set a hard launch date for the 2019 meeting in Tampa, Florida.

At the meeting I recruited nine Associate Editors. Some characteristics of these editors are:

- Six women, three men
- URM representation
- Two from RUIs
- 11 divisions represented – 1 DAB, 5 DCB, 1 DCE, 2 DCPB, 1 DEDB, 1 DEDE, 3 DEE, 2 DIZ 2 DNNSB, 1 DPCB, 5 DVM
- One AE, Ulrike Muller will step down at the 2019 meeting to take over the editorship of Integrative and Comparative Biology
- I am going to recruit at least two more AEs at the meeting. I am particularly interested in more DNNSB representation.

In consultation with these Associate Editors we developed some core qualities of the new journal.

- Double blind peer review
- Initials only for author names
- Supportive review process that includes redacting reviews
- Active recruitment of a diverse author base
- Cover art for every article

Oxford University Press implemented the web site and Scholar One system and invited me to the Journal Days event in North Carolina to meet with other editors and the staff of OUP. There have been some confusions in my interactions with OUP, but in general things have gone well, and Cailin Deery has been helpful and responsive.

Some highlights of the journal's stealth year:

- The journal submission system went live on June 27<sup>th</sup>, 2018
- First manuscript two days later
- 24 manuscripts, including the opening editorial submitted in 2018
- All AEs have handled more than one manuscript
- Very encouraging response to the review system
- Articles have included 3D rotatable models
- Every article has a cover image in the downloadable PDF
- Submissions from Germany and Israel
- We will easily exceed the contract minima we established with OUP (25 articles in 2019)
- Seven outreach associates have generated blog entries for articles
- Excellent, synergistic relationship with incoming ICB editor

- Plant – animal interaction manuscript accepted
- Booth at SICB with branded tchotchkes and cover posters
- Suzanne Miller has been an outstanding managing editor

#### Future highlights

- Executable code in manuscripts (CodeOcean)
- Translated article summaries (abstracts) for all IOB content
- Better integration of 3D models with PDFs
- SICB Talk to launch journal – move to concern if it does not go well

#### Concerns

- Billing interactions are not transparent
- In at least one case the wrong amount was billed
- Limited flexibility in paying APCs
- Average six reviewer requests to get two reviews
- In early November we audited the reviewers
  - 8 of 35 URM
  - 9 of 35 female
  - Obviously this is not acceptable
  - We will use two public databases to diversify reviewers
- Plan S warrants ongoing discussion
  - It will likely impact ICB within five years

#### EIC activities 2018

- Attended JMIH meeting in Rochester NY
  - Recruited authors
- Attended OUP Journals Day in Cary, NC
- Worked with OUP to launch website and tailor Scholar One
- Worked with Suzanne Miller to launch journal with proper fanfare
- Met with AE team several times to brainstorm, check progress, and deal with issues that came up

Submitted December 30<sup>th</sup>, 2018 by AP Summers, Editor in Chief

## **Educational Council Report for the Executive Committee**

**December 25, 2018**

### Education Council:

1. **Bram Lutton**, Chair (Endicott College, *appt:* 2015-**2020**)
2. **Lisa Whitenack**, incoming Chair (Alleghany College, *appt:* 2020-**2023**)
3. **Harry Itagaki** (Kenyon College, *appt:* 2016-**2019**)
4. **Jason Davis** (Radford University, *appt:* 2016-**2019**)
5. **Sarah Humfeld** (University of Missouri, *appt:* 2017-**2020**)
6. **Alicia Fox** (Hancock College, *appt:* 2017-**2020**)

### New Educational Council members:

Following an assessment of nominees for Ed Council membership, for 2019-2022, we have selected the top six candidates (from 21 total) and delivered the information to the Executive Committee on 12/21/2018. The following candidates are in order of preference, from 1<sup>st</sup>-6<sup>th</sup> choice; it is now the Executive Committee's decision, and then the Ed Council Chair will contact the top two choices to replace Dr. Harry Itagaki and Dr. Jason Davis for the next three years:

1. Jennifer Burnaford
2. Joshua Drew
3. Greg Davis
4. Kristine Grayson
5. Natalia Taft
6. Kristy Forsgren

### The John A. Moore Lecture:

The 2019 lecture will be provided by Kevin Padian, who will discuss “Lessons from the ‘Intelligent Design’ trial: Explaining evolution and climate science in a ‘post-evidentiary world’.” ([Abstract](#)) *See below for more details on the lecture.*

*Past Moore Lecturers* include the following: 1993: Thomas Lovejoy..., 2009: Sean Carrol, 2010: Bruce Alberts, 2011: Scott Freeman, 2012: Brian Alters, 2013: Susan Singer, 2014: Ross Nehm, 2015: John Jungck, 2016: Jay Labov, 2017: Rosalind Reid, 2018: Katayoun Chamany.

The M. Patricia Morse Award for Excellence and Innovation in Science Education:

The 2019 award will be presented to Dale Broder, who was nominated by her science education colleagues both in secondary schools and at Colorado State University. Dale's PhD Thesis, which she carried out along with her nominator and long-time SICB member, Cameron Ghalambor, focused on the role of behavioral plasticity in adaptive evolution of Trinidadian guppies. The Educational Council members are pleased to recognize her for creating and maintaining outstanding science education partnerships. Dale will be writing an *Experiences in Science Education* article for the spring 2019 newsletter. *See below for more details on the award.*

*Past Morse Award winners* include the following: 2014: Michael Hadfield, 2015: Linda Walters, 2016: Michael LaBarbera, 2017: Chris Gillen, 2018: William Hoese.

- *Gender breakdown for Moore Lecture/Morse Award*
  - Moore Lecture: Male (9): Female (3); 25% female
  - Morse Award: Male (4): Female (2); 33% female
- **We need to have a discussion about making these opportunities more equivalent for men and women.**

Teaching and Learning Workshop: the 2019 workshop in Tampa Bay is being organized by Lisa Whitenack and colleagues, Nicole Danos and Katie Staab; the workshop will focus on "Identifying the core concepts of vertebrate morphology teaching: a means to enhance active learning and retention in the classroom". *See below for more details on the workshop.*

- **Please pick up a brochure at registration and spread the word to division members.**

Education symposia success stories: The 2018 meeting symposia, *Science through narrative: engaging broad audiences* (<http://sicb.org/meetings/2018/symposia/narrative.php>) and *Science in the public eye: leveraging partnerships* (<http://sicb.org/meetings/2018/symposia/publiceye.php>), were very well attended. These symposia now serve to promote the engagement and utility of education-based symposia moving forward, and may be used to promote publication of science education articles in *Integrative and Comparative Biology*. For example, see the December issue of our journal for the following symposium-related publications:

## **Science Through Narrative: Engaging Broad Audiences**

*Organized by Sara Elshafie, Stuart Sumida, & Bram Lutton*

*Sponsored by DAB, DCB, DCE, DEDB, DEDE, DEE, DIZ, DNNSB, DVM & AMS*

- 1204 Science through Narrative: Engaging Broad Audiences—An Introduction to the Symposium  
Sara J. ElShafie and Stuart S. Sumida
- 1213 Making Science Meaningful for Broad Audiences through Stories  
Sara J. ElShafie
- 1224 Narrative and “Anti-narrative” in Science: How Scientists Tell Stories, and Don’t  
Kevin Padian
- 1235 Communication through Playful Systems: Presenting Scientific Worlds the Way a Game  
Might Do  
Anna Kipnis
- 1247 Communications Principles for Inviting Inquiry and Exploration Through Science and Data  
Visualization  
Eric Rodenbeck
- 1255 Visual Narrative and Jargon Minimization Underpin Anatomy Teaching to Animation/VFX  
Industry Professionals and Health Professions Students  
Elizabeth Rega
- 1269 Anatomy, Animation, and Visual Effects: The Reciprocal Tools of Biology and Film-Making  
Stuart S. Sumida and Brian Jefcoat
- 1279 Where Animation and Science Meet  
Angela Lepito
- 1283 Prehistoric Body Theater: Bringing Paleontology Narratives to Global Contemporary  
Performance Audiences  
Ari Rudenko
- 1294 The Biota Project: A Case Study of a Multimedia, Grassroots Approach to Scientific  
Communication for Engaging Diverse Audiences  
Helen Cheng, Nicholas C. Dove, Jessica M. Mena, Tomás Perez and Sabah Ul-Hasan
- 1304 The Story of the Science and Entertainment Exchange, a Program of the National Academy  
of Sciences  
Rick Loverd, Sara J. ElShafie, Ann Merchant and C. Sachi Gerbin

### Research and Education Resources (RER) database:

On the agenda for the Educational Council’s annual meeting will again be a discussion of the RER database. During past annual conferences, the Chair of the Education Council has attended division meetings with members of the Executive Committee to explain to division officers/members how they can help to disseminate the objectives of the database. We have requested submission of materials through the division meetings, as well as via the newsletters for several years, but with little success to date. Therefore, the Ed Council has prepared a proposal (located at the end of this report) to grow and maintain the RER database for review by the Executive Committee.



To date, we have taken early steps to modify the existing database/website with the assistance of Ruedi Birenheide and small amounts of content some members have offered, and we have begun to organize anew by teaching/research areas and subareas.

## Details of Educational Council Responsibilities

### **The John A. Moore Lectureship**

The Moore lectureship was established in 1990 by the SICB Education Council. The aim of this lecture series is to invite a nationally-recognized speaker who does not generally attend the SICB annual meeting to offer the society a new perspective on science education. While Professor Moore's work in the fields of embryology and genetics led to his election to the National Academy of Sciences, he is also well known as an educator and, in particular, for the creation of the *Science as a Way of Knowing (SAAWOK)* series. This series consisted of a set of essays and a book (*Science as a Way of Knowing: The Foundations of Modern Biology*) by John Moore that resulted from multi-day symposia by leading biologists held at the annual SICB (previously the American Society of Zoologists, ASZ) meetings from 1983-1994. The goals of *SAAWOK* for improving biology education remain at the forefront of science education today: to evolve entry level courses that emphasize concepts with materials consistent with the changing needs of students and society, to relate how scientific procedures lead to a better understanding of the natural world and to the solutions of important human problems, and to present biology as a relevant humanistic discipline. For more information on the *SAAWOK* series, please read the article describing their rich history by past SICB President, Trish Morse (<http://sicb.org/newsletters/nl04-2009/SICBNewsletter2009-04.pdf>).

The Moore Lecture is scheduled on the final day of the annual conference and is an hour-long presentation. Applications should include the following materials in support of nominees, which will be evaluated each year by the SICB Education Council to select the Moore Lecturer: the nominee's current curriculum vitae, a one-page description of the nominee's contributions to science education, and any additional supporting materials related to the nominee's achievements in science education, along with up to three recommendation letters. Nominators are expected to submit at least one of the recommendation letters. The file of nominated candidates will be kept for consideration for a total of three years, with the nominated candidate asked each year if they would like to update any aspect of the file before consideration for that year's award. The Chair of the Educational Council may authorize funds to help support the winner's attendance at that year's meeting. Please send nomination materials for this lectureship to the Chair of the Educational Council ([Chair.EdCouncil@sicb.org](mailto:Chair.EdCouncil@sicb.org)). The deadline for nominations is August 24<sup>th</sup>.

## **The M. Patricia Morse Award for Excellence and Innovation in Science Education**

An annual award given to a SICB member at any career stage for significant achievement in science education. This award honors Trish Morse, a past President of SICB, for her extraordinary achievements and contributions to the society's mission of education. The SICB Education Council will accept and evaluate nominations for this award. Nominators should submit the following materials in support of their nominee: the nominee's current curriculum vitae, a one-page description of the nominee's contributions to science education, and any additional supporting materials related to the nominee's achievements in science education, along with three recommendation letters. Nominators are expected to submit at least one of the recommendation letters. Awardees are expected to write a brief (1500-2000 words) "Experiences in Science Education" article for the spring SICB newsletter following the annual conference, describing their personal achievements or another aspect of science education. Each year's winner will be recognized in the preceding SICB fall newsletter and prior to the introduction of the Moore Lecturer at the annual conference. The file of nominated candidates will be kept for consideration for a total of three years, with the nominated candidate asked each year if they would like to update any aspect of the file before consideration for that year's award. The Chair of the Educational Council may authorize funds to help support the winner's attendance at that year's meeting. Please send nominations for this award to the Chair of the Educational Council ([Chair.EdCouncil@sicb.org](mailto:Chair.EdCouncil@sicb.org)). The deadline for nominations is August 24<sup>th</sup>.

## **SICB Teaching and Learning Workshops**

Established in 2013, the goal of the *Teaching and Learning X Workshops* (where *TALX* is pronounced "talks") is to take advantage of the broad teaching expertise within SICB by giving members a forum to share their most innovative ideas for teaching in their respective disciplines. The SICB Educational Council established *TALX* as a moniker for these popular teaching and learning workshops because it emphasizes the multi-disciplinary nature of the Society, in the sense that "X" is replaced with a different field or topic each year. Past workshops have included topics such as the implementation of Science Education Reform in Introductory Biology Courses, Evolution, Quantitative Biology, and K-12 Outreach. These roundtable-style workshops are designed to address the needs of SICB members with respect to the following: *understanding* innovative pedagogies that have been developed for science classrooms and laboratories, *implementing* new methods in the classroom, and *engaging* academic administrators so that they understand and support utilization of novel approaches to teaching. As part of the coordination of the workshop, applications should include the following specific information, along with any additional logistical considerations they foresee: space/location, timing, invited participants, refreshments, and an itemized budget. Past *TALX* workshops have generally been two hours in

length, in the evening or during lunch, and they generally include refreshments; however, this is an informal and flexible opportunity and *all* ideas are welcome! The Chair of the Educational Council may authorize funds to help in support of the TALX workshop at each year's meeting. Please send application materials to [Chair.EdCouncil@sicb.org](mailto:Chair.EdCouncil@sicb.org). The deadline for applications is June 1<sup>st</sup>.

**Educational Council proposal for updating the  
Research and Education Resources (RER) database**

Bram Lutton, December 2018

During past annual conferences, the Chair of the Education Council has attended division meetings with members of the Executive Committee to explain to division officers/members how they can help to disseminate the objectives of the Research and Education Resources (RER) database. We have requested submission of materials through the division meetings, as well as via the newsletters for several years, but with little success to date. Therefore, we have created a draft of proposed ideas for growing and maintaining the RER database.

We will need to establish a timeline, with a series of benchmarks/deadlines, for Ed Council members and division Chairs/Secretaries to e-mail members throughout the year. These will help to ensure that the necessary communication occurs in a timely fashion. The Ed Council has talked to several other organizations with successful databases, and one of the best examples available is the American Physiological Society's LifeSciTrec database (<https://www.lifescitrc.org/>). Thus, communication between SICB members would be as follows below; each Ed Council member will be responsible for communicating specifically with the Chairs/Secretaries of several divisions throughout the year on specified dates.

For RESEARCH materials: A SICB member's *Integrative and Comparative Biology-focused research* materials are submitted to Ed Council Chair, who determines which division is represented and sends the materials (with standardized directions to complete submission) to the relevant Ed Council member, who then sends the materials to specific division Chairs/Secretaries. Chairs/Secretaries then send the materials to their division members for *peer review\**. Once materials are reviewed they'll either be denied, returned for revision, or accepted. At the point of acceptance, the division Chairs/Secretaries will return the materials in their final form, which will need to meet explicit *specifications\*\**, to the Ed Council Chair. The materials will then be given to the webmaster, Ruedi Bireheide, who will upload them into the database. This avoids submission complications the webmaster, or Chairs/Secretaries would need to deal with.

For EDUCATION materials: A SICB member's *Integrative and Comparative Biology-focused education* materials are submitted to Ed Council Chair, who sends the materials (with standardized directions to complete submission) to *Education Peer Assessors*<sup>o</sup>; they send materials to their education-focused members for peer review\*. Once materials are reviewed they'll either be denied, returned for revision, or accepted. At the point of acceptance, the Ed Council Chair will return send the materials in their final form to Ruedi Bireheide, who will upload them into the database.

*\*Peer review:* Even for dedicated staff at the APS for maintaining the LifeSciTRC database, member organizations must still review their own materials, and we (SICB) will need to review and maintain our own database. For peer review, two or three members should be nominated/elected/chosen by officers for each division; this will need to follow the guidelines of the Executive Committee. Beyond selecting peer reviewers from division members, as part of our ***unique Integrative and Comparative Biology*** process, division officers will need to communicate with the Ed Council to accept and return materials (following peer review).

- Education Peer Assessors: These are individuals the Educational Council will need to find and have available each year to assess any incoming pedagogical materials.

*\*\*Specifications:* The Ed Council needs to utilize the APS LifeSciTRC examples, and those of other organizations, to generate our own requirements for submission of both research and education materials. These will go on the website, of course, as well as being sent to division officers for each submission; we've previously spoken to Ruedi about this. This is where we need to front-load our efforts right now, and the Executive Committee will then have to sign off on all of this!

The Ed Council thinks making the following analogy will also help people understand the process. The Ed Council Chair will act as the RER database Editor in Chief, while division Chairs/Secretaries (for research materials) and Ed Council members (for teaching materials) will act as Associate Editors. Instead of our Associate Editors finding the peer reviewers for each submission, they will have a peer review board already set up each year. For examples of how these kind of activities are peer reviewed, since it's different than the journal peer review process, here is an example from the NAGT (<https://serc.carleton.edu/NAGTWorkshops/rubric.html>; [https://serc.carleton.edu/NAGTWorkshops/activity\\_review.html](https://serc.carleton.edu/NAGTWorkshops/activity_review.html)).

Regarding peer review and copyright specifications, an example of the LifeSciTRC policy is as follows: "You will retain the copyright on any original material you submit to the APS LifeSciTRC. Unless you specify additional copyright restrictions, your item will be considered to have a Creative Commons License: Attribution Non-Commercial No Derivatives (see <http://creativecommons.org/licenses/by-nc-nd/3.0>). Please note that you must have permission if your resource includes materials for which you do not hold the copyright (e.g., graphics or images). If you do not wish to get permission or create your own figures, you can simply include a complete reference or url in place of the graphic. The user can get the graphic and insert it into your resource. LifeSciTRC IS NOT responsible for obtaining permission for you to use copyrighted materials in your resource."

In addition, a SICB colleague in the Department of Anatomy and Cell Biology at Oklahoma State University Center for Health Sciences, Haley O'Brien, recently mentioned that she has ideas for standardization of phylogenetic and comparative methods, and that she would be glad to construct a list of guidelines based on this. The major criteria that Haley would like to include are as follows:

1. Unify theory with the availability of software by providing original case studies and step-by-step methods that are thoroughly explained.
2. Provide lists of the main assumptions, biases, and caveats involved in the method to reduce instances of misuse.
3. Recommend best-practices for achieving reproducibility.

Haley recently solicited some example tutorials from several colleagues, and should be able to share them with us soon. The following link illustrates one of Haley's own software tutorials and requisite materials, which will be broadly similar to the comparative methods tutorials her colleagues will contribute: [example](#). Haley's recently-graduated PhD student, Leigha Lynch, has been helping her on this project and will join our Ed Council meeting on Saturday at noon.

## Student/Postdoctoral Affairs Committee Report

January 2019, Tampa, Florida

Zen Faulkes, Chair

This year's SPDAC Workshop is titled, "Poster power-up". The last couple of years were more roundtable format on big picture issues of careers in academia. This was a chance to do a more "cut and dried" workshop, that takes advantage of one of expertise of the outgoing chair.

SPDAC also sponsored a short online course for poster making (<http://sicbposters.gnomio.com/>) About 20 people expressed interest, and about 4 signed up. The idea of SPDAC sponsoring short online courses may be a good one, but it needs refining. To be most useful for someone who wants help with their SICB presentation, an online class would ideally be in December, which is horrible because it's the end of semester combined with holidays. There may be some other topics that could be more usefully run at other times of the year.

SPDAC has created two posters to hang in the poster sessions: one on "tweeting the meeting" and another on authorship disputes. They are an alternative / supplement to the vendor's booth, since, in the past, there was not a lot of traffic or interaction to the booth. The idea is to "go where the people are," and there is more foot traffic in the poster session than elsewhere. It's also an opportunity to start a conversation with students and introduce them to resources in a different way.

January 3, 2019

Marianne Moore, Chair (DEDE, DEE, DCPB)

### Recap on funding for the 2017-2018 cycle

Last year, there were a total of 149 grant applications (115 GIAR and 34 FGST), of which 35 (23.5%) were funded (28 GIAR, 7 FGST). The total payout was \$40,000, with \$27,000 going towards GIAR awards and \$13,000 going towards FGST awards. Approximately 66% of awards were made to applicants with DEE affiliation, although many awardees indicated 2+ divisional affiliations.

### Data from this year's funding cycle

This year, we received 118 grant applications. Twelve faculty grant reviewers, including the committee chair, have reviewed all applications and we are working on the final list of recommendations on the awardees. Our recommendations will be submitted to the Executive Committee on January 4<sup>th</sup>, and the winners will be announced during the SICB 2019 conference in Tampa, FL.

### Representation of divisions

There **remains** a significant difference among divisions regarding the number of applications received, which may reflect the number of students that affiliate with each division and also the history of each division (e.g., from the newer DEDE). Students affiliated with DAB and DEE continue to dominate grant submissions, with DVM and DCPB also submitting a good number of proposals; the remaining divisions submit far fewer proposals. The addition of a 'divisional affiliation' button to the grant applications is enabling us to obtain these data from year to year.

Currently, 12 SSC members provide their services by reviewing grant proposals. More SSC members affiliate with DCB (n=7), DVM (n=6), and DCPB (n=4) compared with all other divisions, which are represented by three or fewer members each. DNNSB and DPCB have no representation within the SCC.

Following up with the request made by our previous SCC Chair, Ryan Early, I would like to request permission from the executive committee to reach out to the divisions in order to recruit more applicants from a wider variety of disciplines with the goal of supporting grants that reflect the breadth of SICB student interests. At the same time, I would like to reach out to the divisions to recruit more SSC members specifically from the less represented divisions to increase the possibility that each proposal can be reviewed by at least one expert in the applicants field of interest.



## 2019 SICB Public Affairs Committee Report

### Current members

Chair	Thomas Sanger
Member	Sara ElShafie
Member	Molly Jacobs
Member	James Liao
Member	Martha Munoz
Member	Sharri Zamore

### New members

James Murray  
EW Misty Paig-Tran

### Members rotating off

Molly Jacobs (former chair)  
James Liao  
Sharri Zamore

### Workshops

SICB 2018: Science Through Narrative: Engaging Broad Audiences (Organized by Sara ElShafie)  
SICB 2019: The art of persuasive communication (Organized by Jimmy Liao)

### Video contest (managed by Sharri Zamore)

SICB 2018: 22 submissions under the #labfail theme, \$100 gift card for winner  
SICB 2019: Theme #sciwow

### Press releases

2018: Eight press releases posted, five stories picked up by press  
2019: Seven press releases invited, four posted as of December 30

### Student journalism program

Five new student journalists for 2019

### Press contacts

TJS reached out to writers from NY Times, Wired, Scientific American, National Geographic, and Smithsonian Magazine to increase awareness of the society with the press.

### Social media

The PAC continues to manage the society's social media platforms, but need help if this is going to be sustainable.

## Development Committee Report

Robert Roer, Chair

Development Committee: Karen Burnett, Thomas Daniel, Darwin Jorgensen, Karen Martin (*ex officio*), Rachel Merz, and Robert Roer

The Committee met formally in San Francisco and general discussions centered on promoting annual gifts, major gifts, planned (legacy) gifts, and establishing fundraising priorities for the various named funds. Also attending were Nora Terwilliger, Terry Dial, Jill Drupa and Lou Burnett

1. At the Austin meeting, we began a new donor recognition program. Ribbons that were affixed to badges) identified donors at five different giving levels. The recognition program has been continued in ensuing meetings and will be in place again at this meeting.
2. Along with the Executive Committee, the Development Committee analyzed the balances and expenditures of each named fund to establish fundraising goals. The funds are authorized to disburse 4% of the principal based on a trailing 5-yr average. The objective is to make all the funds self-sustaining. A table showing these data is below.
3. The policy formulated by the Committee for honoring or memorializing SICB members within the context of the Mangum and the GIAR/FGST Funds was approved by the Executive Committee. The Committee established \$20K as the minimum donation level for the honorary/memorial award to be made in perpetuity. To promote donations at this level, we would stipulate that the Society would match the \$20K with \$5K, making the award self-sustaining.
4. During FY 2018 (7/17-6/18), donations to the Society totaled \$82,158, nearly \$50K more than last year! This is one of the best years for contributions to SICB. Notably, \$36,402 was donated to GIAR in memory of Dr. Steve Vogel. A table showing these data is below.
5. The Development Committee has identified a major focus for the coming years. This is to take the GIAR & FGST and Mangum funds to a fully self-supporting level. As each fund currently expends approximately \$40K per year in support of student members of SICB, it would require balances of \$1 million in each fund to realize this goal. The current balances on these funds are approximately \$279K and \$343K respectively (not counting capital gains for this FY).
6. At the suggestion of President Burnett, the Committee elected to further increase support of these funds through a “Double Your Dues” initiative. Members of SICB, including students, are being asked to contribute the price of a single year of dues over the next three years to this effort. All donations received in this way will go directly to SICB’s

Student Research Fund that supports the GIAR and FGST programs. For FY 2018, this effort has raised over \$4,000.

7. The Chair of the Committee set up an “on-demand” virtual store for SICB apparel with the Queensboro Shirt Company. There is no up-front cost to the Society and 15% of all sales go to support the Mangum and the GIAR/FGST funds. The url for the store is:

<https://sicbstore.qbstores.com/>

Alternatively, go to the SICB website ([www.SICB.org](http://www.SICB.org)) and click on “SICB Apparel” on the right side of the menu tab below the banner.

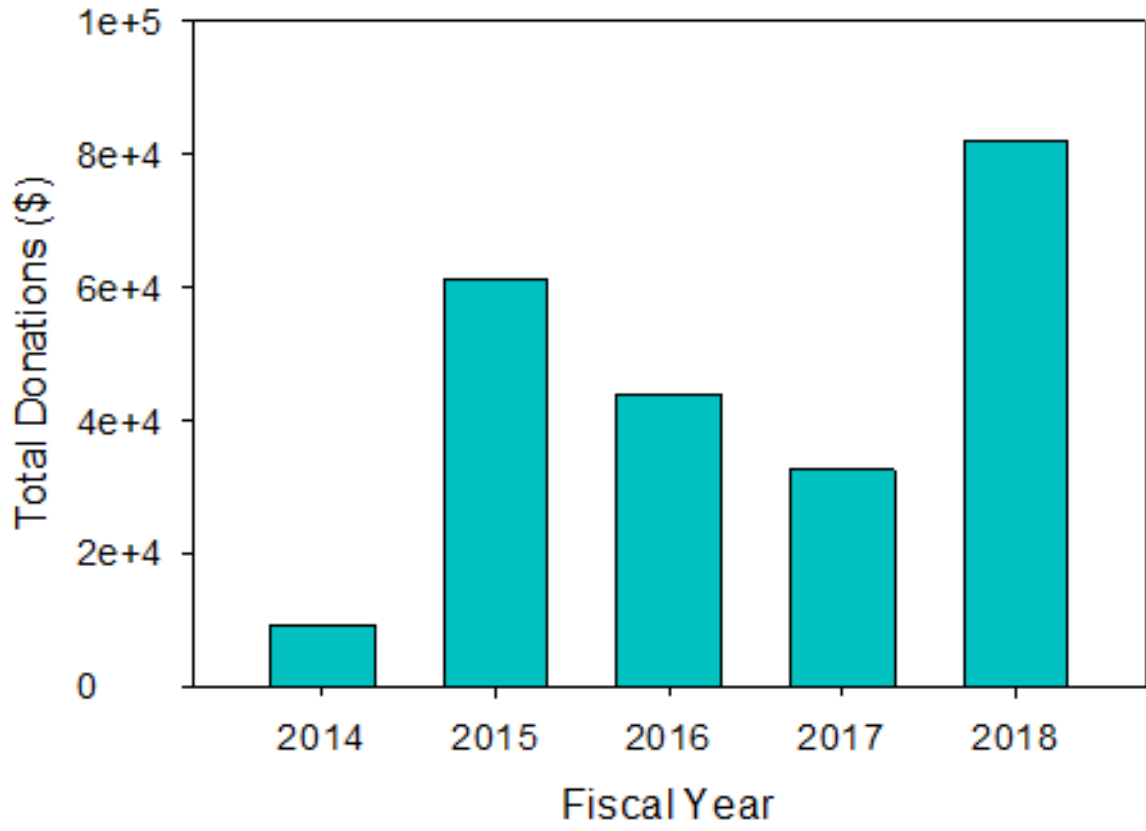
<b>Fund Name</b>	<b>Target</b>	<b>Current Balance</b>	<b>Available for use in FY2018</b>
George A. Bartholomew Fund	\$190,000	\$188,644.26	\$6,526.49
Libbie H. Hyman Memorial Scholarship	\$75,000	\$151,757.20	\$3,678.98
Dwight Davis Fund	\$25,000	\$30,410.18	\$782.48
Wenner Strong Inference Award Fund	\$7,500	\$12,686.35	\$488.85
GIAR & FGST	\$1,000,000	\$278,741.72	\$8,668.13
Charlotte Mangum Student Support Program	\$1,500,000	\$343,039.77	\$12,465.38
John A. Moore Fund	\$106,250	\$58,813.16	\$1,273.22
Dorothy M. Skinner Award Fund	\$30,000	\$27,462.84	\$769.64
Symposium Support Fund	\$605,000	\$145,684.00	\$5,206.45
Carl Gans Award	\$50,000	\$46,932.06	\$1,666.52
C. Ladd Prosser Symposium Fund	\$50,000	\$34,224.59	\$1,209.36
Howard Bern Fund	\$88,625	\$42,386.33	\$1,361.00
General Fund			

Total **\$3,727,375** **\$1,360,782.46** **\$44,096.49**

Needed \$ **\$2,366,593**

<b>Fund Name</b>	<b>FY 2018 Donations</b>				
George A. Bartholomew Fund	\$ 2,730.00				
Libbie H. Hyman Memorial Scholarship	\$ 10,546.00				
Dwight Davis Fund	\$ 975.00				
Wenner Strong Inference Award Fund	\$ -				
GIAR & FGST	\$ 36,402.00	\$ 4,048.00	Double Your Dues	\$ 30,228.00	Vogel
Charlotte Mangum Student Support Program	\$ 2,355.00				
John A. Moore Fund	\$ 2,115.00				
Dorothy M. Skinner Award Fund	\$ 1,240.00				
Symposium Support Fund	\$ 520.00				
Carl Gans Award	\$ 100.00				
C. Ladd Prosser Symposium Fund	\$ 75.00				
Howard Bern Fund	\$ 1,780.00				
General Fund	\$ 23,320.00				
<b>Total</b>	<b>\$82,158.00</b>				

## Donation Summary



## **Broadening Participation Committee Report January 2019**

Stacey Combes, Chair

### **New this year: Outreach/meeting advertisement to local, minority-serving institutions**

At the suggestion of post-doc committee member Nick Burnett, the BP committee produced an outreach flyer targeting students at minority-serving institutions in Florida, to advertise the benefits of attending the meeting and the affordable one-day registration rates. Flyers were sent to chairs, deans or program directors of the biology and natural sciences departments of 14 schools, including 4 Historically Black Colleges/Universities and 10 Hispanic-Serving Institutions.

### **BP Travel Awards for SICB 2019**

The BP committee was fortunate to receive a donation for the second year in a row from the Gans Collections and Charitable Funds, Inc. to help support the travel award program. Due to a large gain in the number of travel award applications for the 2018 meeting in San Francisco, the Gans Collections and Charitable Funds, Inc. generously agreed to increase the donation amount from \$10,000 to \$12,000 for this year's meeting. Combined with regular SICB funds, this allowed us to provide a record number of BP travel awards (45). Most of the awards were for ~\$500 each, but at the request of the Gans Collections and Charitable Funds, Inc., we also made two larger awards (\$800) to international applicants with extremely high travel costs (one coming from India and the other from Australia). The committee was able to support 45 of the 69 applicants for the BP travel award, including 9 undergraduates, 1 post-baccalaureate researcher, 10 MS students, 18 PhD students, 6 post-docs, and 1 adjunct assistant professor. Of the awardees, 23 are Hispanic/Latino, 4 are Black/African American, 11 are Asian, 5 are Native Hawaiian/Pacific Islander, 1 is American/Alaskan Indian, and 1 is Iraqi; 30 of the awardees are female and 15 male.

### **BP Meeting Mentor program**

This year, the BP committee continued our expanded Meeting Mentorship program, in which we offered to match any interested SICB attendees with a mentor - an experienced SICB-goer that will attend at least 3 SICB events (e.g., poster sessions, socials) with their mentee, to help them navigate the meeting, expand their professional network, and offer general career advice. We surveyed participants in last year's program to fine-tune aspects of the mentorship program, asked meeting attendees to indicate their interest on the meeting registration form, and created an on-line matching survey to pair mentors and mentees. The response to the program was again overwhelming, with 330 registrants indicating interest (150 as a mentee, 144 as a mentor, and 36 as both). The matching survey was completed by 103 potential mentees and 107 potential mentors. We added a new feature to the program this year, asking participants whether they would prefer to participate in a mentoring group (with 2-3 mentees grouped with a single mentor), and a large portion of participants indicated interest in this arrangement. We ultimately made 46 individual mentor-mentee matches and formed 29 mentorship groups (one with 3 mentees, the rest with 2), matching all 105 mentees to a total of 75 mentors.

### SICB 2019 meeting activities

The BP committee will welcome travel award recipients at a BP Meet & Greet before the plenary lecture, from 6:30-7:30 PM on Thursday January 3<sup>rd</sup>.

At noon on Sunday, January 6<sup>th</sup>, the BP Committee will be hosting a workshop on inclusive teaching entitled “*Creating a comfortable and welcoming learning community: From a strategic syllabus to realized student engagement.*” The workshop will be led by two SICB members with experience in this topic, Danielle Lee from Southern Illinois University Edwardsville and Elizabeth Congdon from Bethune-Cookman University. In gratitude for sharing their experience by leading the workshop, the BP committee offered to compensate the workshop leaders for their meeting registration costs.

Finally, travel award recipients will be honored at the Broadening Participation Social from 7-9 PM on Sunday, January 6<sup>th</sup> at Il Terazzo in the Marriott. A buffet of Mexican street tacos will be served and a cash bar will be available. All SICB members are welcome to attend and help celebrate the accomplishments of the BP travel award recipients.

## **DCB Report to the Executive Committee, SICB 2018.**

**Sheila Patek, Chair**

The Division of Comparative Biomechanics has had a busy year.

Sandy Kawano (California State University, Long Beach) is currently serving as secretary and Phil Anderson (University of Illinois Urbana Champaign) is serving as program officer. During this past year's elections, John Long (Vassar) won election as our new Chair Elect. Stacey Combes (UC Davis) will come on board as Chair of DCB in 2019.

Brett Aiello (postdoc, Georgia Tech) has been an exceptionally active student and postdoc representative. He has been running a DCB Facebook page and active Twitter feed with DVM (@mechsNmorph) to showcase exciting research from the DCB/DVM community as well as to provide announcements for the divisions.

DCB continues to provide a large contribution to the annual SICB meetings. At the meeting in San Francisco (2018), the division ran 35 talks sessions and sponsored three symposia. These numbers increased to 36 sessions and 5 symposia for the upcoming conference in Tampa (2019) and will likely increase again the following year in Austin (2020).

We ran the DCB Best Student Paper and Poster Sessions again this past year. It was successful, well-attended, and generated a good buzz around student research. Another great batch of presenters was chosen from this year's applicant pool by the DCB BSP committee. For the upcoming Tampa meeting, we have formed a judging panel independent from the divisional officers to judge the finalists for both papers and posters. We hope to keep improving the way we run these awards at future meetings.

We ran the Gans Award competition with a revised set of criteria in order to allow us more clarity with the award itself and to institute a requirement for a minimum number of nominations to run the award competition. This year's awardee is Misty Paig-Tran (Cal State Fullerton). We received four nominations, three for individual investigators, and one for a book. Three full members of DCB, outside of the DCB committee, chaired and oversaw this award evaluation.

We supported four regional meetings. These included the Midwest DVM/DCB regional meeting at the University of Missouri - Columbia, Northeast DVM/DCB regional meeting at Brown University, Southwest DVM/DCB regional meeting at Clemson University, and Southwest Organismal Biology meeting at California State University - San Marcos.

DCB collaborated with the SICB Development Committee to establish an endowment that commemorates the incredible contributions that Steven Vogel made to comparative biomechanics. Through a fundraiser with the Grants-in-Aid of Research, donors contributed more than \$20,000 to the Vogel Fund. Donations are still being accepted, so the number of students that will benefit from this endowment will likely continue to increase.



## **DCE Annual Report, 2018**

**C. Loren Buck, Chair of DCE**

[Loren.Buck@NAU.edu](mailto:Loren.Buck@NAU.edu)

### **Meeting Participation**

DCE members submitted 91 abstracts or about 5% of the ~1800 total abstracts received for the Tampa meeting.

DCE is co-sponsoring five symposia this year.

- 1) The scale of sickness: how immune variation across space and species affects infectious disease dynamics. Organizers: Daniel Becker, Laura Schoenle, Cynthia Downs, Lynn Martin
- 2) Integrative Plant Biology (SICB Wide) Matt Ogburn, Erika Edwards
- 3) Stress phenotype: linking molecular, cellular, and physiological stress responses to fitness. Organizers: Haruka Wada, Britt Heidinger
- 4) Comparative Evolutionary Morphology and Biomechanics in the Era of Big Data (SICB Wide). Organizers: Martha Muñoz, Samantha Price
- 5) The world is not flat: Accounting for the dynamic nature of the environment as we move beyond static experimental manipulations (SICB Wide). Organizers: Timothy Greives, Rachel Bowden

DCE members have submitted numerous symposium proposals for the 2019-20 Austin meeting and we will be supporting at least 3 of these.

1. Reproduction: the female perspective from an integrative and comparative framework Organizers: Teri Orr
2. Epigenetic Variation in Endocrine Systems. Organizer: Haley Hanson
3. Building Bridges from Genome to Phenome: Molecules, Methods and Models. Organizer: Karen Burnett

### **Funding**

Currently, our Bern Fund is at >\$41,000, which is used to support activities associated with the Howard A. Bern Lecture. This year's Howard A. Bern Lecturer is Dr. Michael Romero, a well-respected comparative endocrinologist, past DCE Chair and longtime SICB-DCE member. We should be in good fiscal order for 2019.

Did we support any regional meetings?

### **2018 SICB Social event**

We have scheduled our DCE Social in concert with DAB, DNNSB and DEDE for 8:00 pm Saturday, January 5<sup>th</sup> at the Convention Center outside balcony.

### **Committee Positions**

Loren Buck is current Chair and Kathleen Hunt is our Chair-Elect. Sharon Lynn is our Secretary and will be replaced by Secretary Elect Timothy Grieves in 2019. Brian Walker is our Program Officer and will be replaced by Program Officer-Elect Sara O'Brien in 2020. Our Student/Postdoc Representative, Suzanne Austin, resigned her position in November, noting a change in position and lack of time to carry out DCE responsibilities. This position will be discussed during our DCE Officers and Representative meeting refilled as soon as is practical. Rosemary Knapp is currently the DCE representative to the ICB board.

## SICB DIVISION OF COMPARATIVE PHYSIOLOGY AND BIOCHEMISTRY (DCPB) REPORT Officers:

<b>Chair</b>	01/2018-01/2020	Kimberly Hammond
<b>Chair-Elect</b>	01/2019-01/2020	Kenneth Welch
<b>Past Chair</b>	01/2018-01/2020	Inna Sokolova
<b>Secretary</b>	01/2018-01/2020	Marshall McCue
<b>Program Officer</b>	01/2017-01/2019	Wes Dowd
<b>Student/Postdoc Representative</b>	01/2018-01/2021	Andrea Rummel

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### Elections and appointments:

Kenneth Welch (University of Toronto) was elected as DCPB Chair-elect. Ken will take on the Chair-elect office at the SICB meeting in 2019 in Tampa and will fully take over the DCPB Chair reins in January 2020 in Austin Texas. Kristi Montooth (University of Nebraska) won the election as DCPB program officer starting in 2019. I welcome Ken and Kristi aboard and look forward to working with them. I would like to take this opportunity to thank Wes Dowd (Washington State University) will end of his two-year term as DCPB Program Officer at the end of the Tampa meeting. I am also grateful for Valentina Di Santo (Harvard University) for her work coordinating the DCPB best student presentation competition for last year's meetings. Valentina has as agreed to serve again this year in this position.

Symposia and meeting statistics: DCPB continues to have a strong presence at the SICB meeting with 165 abstracts (9% of the total) coming DCPB-affiliated abstracts.

In 2019 DCPB is co-sponsoring 4 symposia:

- Adaptation and Evolution of Biological Materials, Sat Jan 5 (Organizers: Robert Campbell and Mason Dean)
- The world is not flat: Accounting for the dynamic nature of the environment as we move beyond static experimental manipulations, Mon Jan 7 (Organizers: Tim Greives and Rachel Bowden)
- Beyond the power house: Integrating mitonuclear evolution, physiology, and theory in comparative biology, Sat Jan 5 (Organizers: Justin Havird and Geoffrey Hill)
- Stress phenotype: Linking molecular, cellular, and physiological stress responses to fitness, Sat Jan 5 (Organizers: Haruka Wada and Britt Heidinger)

**Best Student Paper Awards** —In 2019, the prize for the Best Student Paper was awarded to Samantha Leigh for her presentation “Omnivorous Sharks? An Analysis of Bonnethead Shark Digestive Physiology Provides Evidence for Seagrass Digestion and Assimilation”. A close runner up was Alyssa Frederick for her presentation “Withering-syndrome induced gene expression changes in pinto abalone, *Haliotis kamtschatkana*. Both of the recognized Best Student Paper participants are from the University of California Irvine. The prize for the Best Student Poster was Pegah Nabili from Lake Forest University for her presentation “Sex-specific plasticity and the nutritional geometry of insulin-signaling gene expression in *Drosophila melanogaster*”. The runner up for this award was Emily Resner from California Polytechnic University at San Luis Obispo for her presentation “Respiratory Behaviors And Oxygen

Consumption Rates During Air Exposure And Environmental Anoxia In The Giant Acorn Barnacle, *Balanus Nubilus*".

This year DCPB begins a new model for evaluating Best Student Presentations (both oral and poster) to make the competition a bit more robust. We will have 8 oral entrants and 11 poster entrants in the competition.

**George Bartholomew Award**--The George Bartholomew Award for 2018 was presented to Dr. Caroline Williams University of California Berkeley. Dr. Williams presented a talk on "Cold truths: Evolutionary impacts of winter on terrestrial ectotherms." Dr. Williams was selected from a highly competitive pool of nominees by a selection committee, composed of Adam Summers (Chair), Manny Azizi, Vincent Careau, Marty Martin, and Robert Cox.

This year's George Bartholomew Award winner is Dr. Benjamin Dantzer, Assistant Professor of Ecology and Evolutionary Biology at the University Michigan. Dr. Dantzer's talk at the 2019 Tampa meetings will be entitled "Plasticity, hormones, behavior, and fitness: understanding the long-reach of the mother in wild animals". The selection committee who chose 2019 Bartholomew Award recipient included Manny Azizi (Chair), Vincent Careau, Caroline Williams, and Robert Cox.

The Division greatly appreciates the hard work of the Bartholomew Award Committees in selecting the awardees, and extends sincerest thanks to John Lighton and Robin Turner of Sable Systems International for their continued gracious support of the Bartholomew Award.

Divisional Finances.

As of the end of the fiscal year (6/30/2018), DCPB had \$20,715 of unrestricted funds, in addition to the \$3,100 allocation for socials, awards and symposia from the SICB general funds, and \$6526 from the Bartholomew Fund. These funds will be used to cover the expenses of the Bartholomew Award social, symposium support, student awards and an honorarium and travel reimbursement of the Bartholomew Award winner. This leaves Division in a healthy financial state for the upcoming year.

DCPB Business meeting: DCPB business meeting will be held on Friday, January 4, from 5:45-6:00 pm in room 20. In addition to the reports of the Division's officers and committees, the meeting is expected to include the annual reports from the editors of Comparative Biochemistry and Physiology and Physiological and Biochemical Zoology and a visit from the SICB Executive Committee representatives.

## **DEDB Annual Report, 2018**

**Kim Hoke, Chair of DEDB**

### **Meeting participation for 2019:**

We have 55 presentations listed as either evolutionary developmental biology or development this year, and our division is co-sponsoring five symposia:

- 1) "S1: Integrative Plant Biology", organized by Matt Ogburn and Erika Edwards
- 2) "S4. Adaptation and Evolution of Biological Materials", organized by Rob Campbell and Mason Dean
- 3) "S7. Comparative Evolutionary Morphology and Biomechanics in the Era of Big Data", organized by Martha Muñoz and Samantha Price
- 4) "S8. Multifunctional Structures and Multistructural Functions: Functional Coupling and Integration in the Evolution of Biomechanical Systems" organized by Stacy Farina and Emily Kane
- 5) "S11. Allometry, Scaling and Ontogeny of Form" organized by Fred Nijhout and Ken McKenna

We have seven or eight talks in our Best Student Oral Presentation this year on Saturday Jan 5 in one session starting at 10 am. We are working on filling one spot following a last minute cancellation. We also have 16 students presenting in the poster competition.

Our social will be on January 5, put on jointly with four other divisions.

### **Funding:**

We have yet to use our discretionary funds, but have scheduled a meeting of the DEDB officers to discuss our priorities and implement new initiatives in the upcoming year.

### **Symposia for upcoming meetings:**

We are sponsoring 5 symposia at the upcoming meeting, and chair elect Dede Lyons is particularly interested in encouraging postdoctoral fellows to co-organize symposia, as she did when a postdoc. We will announce her ideas at the business meeting and in the spring newsletter.

### **Divisional officers:**

Dede Lyons is the division chair-elect. After this meeting, Matthew Rockman is taking over as program officer, and Prashant Sharma will be the new DEDB secretary.

## **DEDE Annual Report**

**2018**

**Travis Wilcoxon, DEDE Chair**

### **Meeting Participation**

DEDE is hosting five oral sessions and has approximately 40 posters at the 2019 meeting come from DEDE members.

DEDE is co-sponsoring three symposia at the 2019 meeting. These are:

- 1) **Integrative Plant Biology (SICB Wide)**. Organizers: Matt Ogburn, Erika Edwards
- 2) **The world is not flat; Accounting for the dynamic nature of the environment as we move beyond static experimental manipulations**. Organizers: Timothy Greives, Rachel Bowden
- 3) **The scale of sickness: how immune variation across space and species affects infectious disease dynamics**. Organizers: Daniel Becker, Laura Schoenle, Cynthia Downs, Marty Martin

### **Committee Positions**

Laura Zimmerman was elected as our Chair-Elect, and she will take over from Travis Wilcoxon at the conclusion of the SICB Annual Meeting in January 2020.

## **Division of Ecology & Evolution (DEE) Annual Report - Prepared by Bob Cox, Chair**

### **1. DEE Officers:**

**Chair:** Robert Cox (2017–2019)

**Chair-Elect:** Cameron Ghalambor (2019–2021)

**Incoming Chair-Elect:** Frances Bonier (2019–2021)

**Secretary:** Michael Dillon (2015–2019)

**Secretary-Elect:** Martha Muñoz (2018–2019)

**Program Officer:** Michele Nishiguchi (2018–2020)

**Program Officer-Elect:** Sarah Diamond (2019–2020)

**Student/Postdoc Representative:** Ariel Kahrl (2017–2020)

### **2. DEE Divisional Nominations and Elections:**

**Chair:** At the 2019 meeting in Tampa, Bob Cox will be transitioning to Past Chair and current Chair-Elect Cameron Ghalambor will replace him as DEE Chair.

**Chair-Elect:** In spring 2018, Frances Bonier (Queens University) and Ben Dantzer (University of Michigan) accepted nominations to run for Chair-Elect. Frances Bonier was elected and will take over from Cam Ghalambor in January 2019. Welcome, Fran!

**Secretary:** In 2019, Michael Dillon will step down after 4 years as DEE Secretary. Thanks Michael! Martha Muñoz will take over as acting DEE Secretary in 2019.

**Secretary-Elect:** At the 2019 DEE business meeting in Tampa, the DEE Chair will form a committee to identify candidates for Secretary-Elect, with elections to occur in Spring 2019.

**Program Officer-Elect:** In spring 2018, Sarah Diamond (Case Western Reserve University) and Greg Byrnes (Siena College) accepted nominations to run for Program Officer-Elect. Sarah Diamond was elected and will begin as Program Officer-Elect in 2019! Welcome, Sarah!

### **3. DEE Sponsored Symposia**

DEE will be co-sponsoring 6 symposia at the 2019 meeting in Tampa:

Jan 4 - "The scale of sickness: How immune variation across space and species affects infectious disease dynamics" will be held on January 4th. •

Jan 4 - SICB-wide symposium, "Integrative Plant Biology"

Jan 5 - SICB-wide symposium, "Adaptation and evolution of biological materials"

Jan 6 – SICB-wide symposium, "Comparative evolutionary morphology and biomechanics in the era of Big Data"

Jan 7 - SICB-wide symposium, "The world is not flat: Accounting for the dynamic nature of the environment as we move beyond static experimental manipulations."

Jan 7 - "The pass less traveled: Reciprocal illumination of gecko adhesion by unifying material science, biomechanics, ecology, and evolution"

#### **4. DEE Huey Award – Best Student Presentations**

At the 2018 meeting in San Francisco, two DEE students received the Huey Award:

**Best Talk:** Alisha Shah, Colorado State University – *Do Temperature-Mediated Predator-Prey Interactions Explain Temperate and Tropical Mayfly Distributions?*

**Best Poster:** Meredith Miles, Wake Forest University – *Interactions between sexual selection and morphological constraints shape signal design in woodpecker drum displays*

For the 2019 meeting, we had the largest applicant pool to date for the Huey Award (51 total entries). The Chair formed a judging committee with an eye toward balance in terms of gender, career stage, and expertise (Bob Cox, Frances Bonier, Cameron Ghalambor, Ariel Kahrl, Martha Muñoz, Sarah Diamond, Eric Riddell). From the extended abstracts, the committee selected 7 finalists for the oral session and 7 finalists for the poster session, both scheduled for Friday, January 4, 2019, in Tampa.

#### **5. DEE Beer & Brains**

At the 2018 meeting in San Francisco, we organized the fifth annual "Beer & Brains" mixer for approximately 65 DEE students and faculty at The Barrel Head Brewhouse.

For the 2019 meeting in Tampa, we have planned the sixth annual "Beer & Brains" event at The Franklin Manor on Sunday, Jan 6. 45 DEE students were selected from over 100 applicants with priority given to first-time participants. 24 DEE faculty were selected with a goal of increasing participation by new attendees while balancing gender, career stage, and research area.

#### **6. DEE Budget**

In the previous annual report, the discretionary budget for DEE was presented as \$5,418 based on the SICB Treasurer's accounting for the end of FY-2017 (6/30/17). However, in the process of reviewing and correcting several years of expense reports for all divisions, the Treasurer and accounting team later amended this to an actual budget of \$3,360 for the end of FY-2017, which was -\$635 lower than our FY-2018 divisional expenses of \$3,995 that had already been incurred. New income from membership dues totaled \$2,780, so the current DEE discretionary budget as of this report and the end of FY-2018 is \$2,145. The DEE Chair and SICB President have arranged it so that our FY-2019 commitments at the Tampa meeting will balance against available funds. Therefore, at the end of FY-2019 (6/30/19), it is anticipated that DEE discretionary funds will equal new FY-2019 income from dues (typically around \$2,700).

#### **7. DEE Member Survey**

In November 2019, Michael Dillon and Bob Cox organized a survey that was circulated to all DEE members. The goals of the survey were to get a better picture of the composition of DEE and its overlap

with other SICB Divisions and other Societies, to collect feedback on current and possible DEE policies and practices, and to increase transparency and awareness of DEE business. 218 DEE members participated in the survey. Results of this survey will be presented and discussed at the DEE business meeting in Tampa.

#### **8. DEE Business Meeting**

Scheduled for Friday, January 4, 2019 from 5:45-6:30 PM



## **Division of Invertebrate Zoology**

**Annual Report, 2018, Ken Halanych, Chair, [chair.diz@sicb.org](mailto:chair.diz@sicb.org)**

The year started out with a successful meeting in San Francisco and a change in DIZ Chair as John Zardus completed his term.

### **Best Student Presentation awards and Mentoring.**

At the 2018 meeting, John moved forward a few issues put together by DIZ member Bob Podolsky regarding Best Student Presentation (BSP) awards and mentorship. Implementation of these suggestions went to a vote of the DIZ membership in the spring of 2018 (not these are not bylaw changes). Starting at the 2019 meeting, the Best Oral Student Presentation will be named in honor of Dr. Mary Rice, and the Best Poster Student Presentation will be named in honor of Dr. Alan Kohn. Also starting in 2020, DIZ will move to having a single session for the presentation of oral contributions being considered for the BSP. Thus, abstracts will have an extended length and a selection process will be put in place to determine which submissions will be invited for the BSP session. Also starting in 2020, DIZ will institute a mentorship program for students that are interested. Although the initial idea is to give students feedback on talks, there is the possibility to expand this program to broadly cover the meeting experience and beyond.

### **New election for Secretary.**

In 2018 two candidates were identified to stand for Secretary-elect. Justin McAlister will take over as DIZ Secretary from Sarah Berke after the Tampa meeting.

### **Symposia**

DIZ will support 4 symposia in Tampa 2019. They include:

- January 4: Integrative Plant Biology (Society-Wide Symposium)
- January 5: Adaptation and Evolution of Biological Materials (Society-Wide Symposium)
- January 5: Beyond the powerhouse: integrating mito- nuclear evolution, physiology, and theory in comparative biology
- January 7: Allometry, Scaling and Ontogeny of Form

### **Libbie Hyman Auction and Fund.**

In Tampa, DIZ will again host the Libbie Hyman auction. Abby Cahill has been spearheading this effort and the auction will be held concurrently with the DIZ social. Abby has been gathering items for the auction (from books, to weekends at members houses). This has been done with the help of Michael Middlebrooks at the University of Tampa who has been gathering items in advance of the meeting.

Proceeds from the auction help support students research on invertebrate animals. This year the fund supported Matthew Boot, a Ph.D. student at Ohio State University in the lab of Rachele Adams to study the evolutionary ecology of a context-dependent ant-ant mutualism. Andre LaBuda, an M.S. student at California State University LA advised by Patrick Krug, spent a month at the Hawaiian Institute of Marine Biology (HIMB) field station on Coconut Island. This opportunity allowed him to study photosynthesis by tropical sacoglossans, or “sap-sucking” sea slugs.

End of report

## **Division of Neurobiology, Neuroethology, and Sensory Biology (DNNSB)**

**Submitted by Michael Baltzley, Chair**

**Chair: Michael Baltzley, Jan. 2018-2021**

**Program Officer: Jeff Riffell, Jan. 2017-2020**

**Secretary: Lisa Mangiamele, Jan. 2016-2019**

**Graduate Student/Postdoc Rep: Alexandra Kingston, Jan. 2016-2019**

### **Division Posts:**

Michael Baltzley began his term as Chair at the end of the 2018 SICB Annual Meeting in San Francisco. Petra Lenz began a 5-year term as the Division Assistant Editor for *Integrative and Comparative Biology* in 2018 as well. Lisa Mangiamele was re-elected as Secretary and will begin her next three-year term at the end of the 2019 Annual Meeting. We have been soliciting candidates for our next division Graduate Student/Postdoc Representative, and the Division Executive Committee will discuss candidates and submit a nomination during the 2019 Annual Meeting. At the 2019 Annual Meeting, we also will be soliciting candidates for our next Program Office.

### **Co-sponsored Symposia for the 2019 Annual Meeting**

- • Integrative Plant Biology
- • Playing with Power: Mechanisms of Energy Flow in Organismal Movement
- • Stress phenotype: linking molecular, cellular, and physiological stress responses to fitness
- • Comparative Evolutionary Morphology and Biomechanics in the Era of Big Data
- • Chemical responses to the biotic and abiotic environment by early diverging metazoans revealed in the post-genomic age
  - • The world is not flat: Accounting for the dynamic nature of the environment as we move beyond static experimental manipulations

### **Best Student Presentation competitions**

For the 2019 Annual Meeting in Tampa, the Division has 7 students competing in the Best Student Presentation (BSP) oral competition and 20 students in the BSP poster competition. The DNNSB Executive Committee created a new rubric for judging the Best Student Presentations, with the goal of clarifying the evaluation criteria and making the evaluations more consistent across judges. The judging rubric was sent to the BSP entrants in mid-December so the presenters had the opportunity to review the judging criteria while they prepared their talks and posters. We will discuss the rubric at the DNNSB Business Meeting and, if approved by the Division, will have the rubric posted on the DNNSB page of the SICB website for students to view.

The DNNSB Executive Committee has also been discussing ideas for strengthening connections with other scientific societies and increasing participation at SICB. One idea is to sponsor Best Student Presentation awards at regional meetings, and reward the winners with free registration at the next annual SICB meeting. We will be discussing this idea with the SICB Executive Committee and at the DNNSB Business Meeting at the 2019 SICB Annual Meeting.

## **DVM Annual Report, 2018**

**John Hutchinson, Chair of DVM**

jhutchinson@rvc.ac.uk

### Meeting Participation

DVM members submitted ~409 abstracts (combined with DCB) out of the ~1800 received across SICB as a whole, so we continue to be a strong division at over 20% representation.

DVM is co-sponsoring six symposia this year. These are:

- 1) Integrative Plant Biology (SICB Wide). Organizers: Matt Ogburn, Erika Edwards
- 2) Playing with Power: Mechanisms of Energy Flow in Organismal Movement. Organizers: Jeffrey Olberding, Michael Rosario, Stephen Deban
- 3) Adaptation and Evolution of Biological Materials (SICB Wide). Organizers: Rob Campbell, Mason Dean
- 4) Comparative Evolutionary Morphology and Biomechanics in the Era of Big Data (SICB Wide). Organizers: Martha Muñoz, Samantha Price
- 5) Multifunctional structures and multistructural functions: Functional coupling and integration in the evolution of biomechanical systems. Organizers: Stacy Farina, Emily Kane, L. Patricia Hernandez
- 6) The path less traveled: Reciprocal illumination of gecko adhesion by unifying material science, biomechanics, ecology, and evolution. Organizers: Tim Higham, Alyssa Stark, Anthony Russell

As we have previously established, all DVM student podium presentations competing for the Dwight Davis Award will be in one session that is not scheduled opposite any other DVM or DCB sessions. This is a great opportunity for our stellar students to present to the largest possible audience. Unfortunately the presentations end just before the DVM Business Meeting this year so it is doubtful we'll be able to announce them in person then, as we did last year (to encourage attendance).

DVM members have submitted numerous symposium proposals for the 2019-20 Austin meeting and we will be supporting 7 of these.

We note also that numerous prominent DVM members are presenting/organizing at the International Conference on Vertebrate Morphology in Prague, Czech Republic from 21-25 July 2019; which is eagerly anticipated: <http://www.icvm2019.com/>

### Funding

As of December 2018, our Davis Fund was \$32,289, to support Best Student Presentations. We have been using our divisional discretionary funding to support Regional Meetings and other expenses, as planned. These funds are typically about \$250 contribution/meeting, on request. This year was more expensive than usual, but our net funding balance has increased from the start of 2018 so we should be in good enough order for 2019, and for the new Chair to consider how to use them.

We supported five regional meetings in 2018:

- 1) First Regional European DVM Meeting in London, UK
- 2) Midwest regional Meeting at University of Missouri
- 3) North-East regional SICB (DVM/DCB) meeting at Brown University
- 4) Southeastern regional SICB meeting at Clemson University
- 5) Southwestern Organismal Biology regional meeting (with DPCB) at Claremont Colleges

#### 2018 SICB Social event

After a rather problematic 2017-8 SICB DVM-DCB social, the Chairs took a more hands-on approach organizing the 2018-9 social themselves, although we will be raising this issue as a discussion point to our members whether this should be the (unofficial) job of Chairs or whether we can find a better solution from 2019 onwards.

#### Committee Positions

Adam Summers is our Chair-Elect, and Angela Horner is our Secretary-Elect. Patricia Hernandez will replace John Hutchinson as Chair, and Mason Dean will be taking over as Program Officer, in 2019.

## **Guidelines for Broadening Participation in SICB's Leadership, Programs and Awards**

### **PROPOSED**

The Society for Integrative and Comparative Biology is committed to designing and promoting activities within the Society and especially at its annual meeting to increase the diversity of its membership and of the fields of integrative and comparative biology. To this end, every effort should be made to honor this diversity in the selection of the leadership of the society, its divisions, and its committees. The program of the meetings of the Society shall also reflect diversity.

To achieve these goals, the leadership of the Society must engage the membership in the following ways, recognizing that multiple groups (e.g., Executive Officers, Divisional Chairs, Committee Chairs) must work in concert to maximize diversity. For example, the Executive Committee should reflect the diversity of the membership, but the composition of the Executive Committee is not solely in the hands of the Society-wide Nominating Committee since nearly half of the Executive Committee is elected at the divisional level.

A number of individuals or groups of individuals are principally responsible for insuring that leadership of the Society and its programs reflect the desired diverse membership of SICB.

**President.** The President shall appoint committees that reflect the talent and the diversity of the membership. These appointments are done on the advice of the Executive Committee and often, the committee chairs. The current practice is that appointments are also reviewed by the Executive Officers.

**Nominating Committee.** The Society-wide Nominating Committee is charged with providing a slate of candidates qualified to hold office and which represent the diversity of the membership.

**Divisional Chairs.** Divisional Chairs oversee the selection of the slate of officers at the divisional level.

**ICB Editorial Board.** The composition of the *ICB* Editorial Board is achieved by a process that is largely controlled by the Editor, but approved by the Executive Committee. Each division has a representative on the Editorial Board called an Assistant Editor. Each division suggests an individual to the Editor, the Editor makes the formal nomination, and the nomination is approved by the Executive Committee. Furthermore, the Editor can appoint additional Assistant Editors using the same nomination and approval process. The Editor can, therefore, insure appropriate diversity in the composition of the Editorial Board.

**Groups Administering Awards within the Society.** The Society and some of its divisions offer awards designed to honor individuals selected by a process. These awards have different purposes and are administered by different groups. In all cases, the group administering the award (e.g., a division) must take measures to insure diversity in the pool of candidates considered. If warranted, deadlines can be extended to achieve balance in a pool of applicants/nominees.

**SICB Program Committee.** The Program Committee is composed of individuals for the most part elected by either the Society or by divisions. The composition of this committee broadly reflects the membership of SICB. This committee considers diversity in approving proposed symposia for the annual meeting and in selecting individuals from within or outside of the Society to participate in the program of the annual meeting (e.g., a plenary lecturer).

**Additional Key Program Elements of the Annual Meeting.** Three prominent program components of the annual meeting must also take into account diversity. The deadlines of applications/nominations may be extended to achieve a desired diversity in the pool of individuals being considered.

- **Bartholomew Lecture.** The George A. Bartholomew Award and Lecture have been prominent fixtures at the annual meeting for more than 25 years. The Bartholomew Lecture is a Society-wide event. The annual selection of the awardee and lecturer is in the hands of the Division of Comparative Physiology and Biochemistry, which established the award, the lecture, and the fund supporting the award. The Chair of the Division of Comparative Physiology and Biochemistry oversees the appointment of the selection committee and approves the individual receiving the award.
- **Bern Lecture.** The Howard A. Bern Lecture has also been a prominent feature of the annual meeting for almost two decades. The Bern Lecture is considered a Society-wide event. The annual selection of the lecturer is in the hands of the Division of Comparative Endocrinology, which established the lecture and the fund supporting the lecture. The Chair of the Division of Comparative Endocrinology oversees the appointment of the selection committee and approves the individual receiving the award.
- **John A. Moore Lecture.** The Moore Lecture now anchors the end of the annual meeting. This Society-wide lecture is the last main program event followed by the end-of-meeting reception. The Educational Council is charged with selecting the Moore Lecturer.

## **For information ONLY, not part of guidelines.**

### **Analysis of gender balance of SICB leadership, awards, and lectures in recent years.**

#### **Leadership**

2018 Executive Committee 54% female

2018 Divisional Executive 49% female

2018 Committee Chairs 50% female

Presidents since we became SICB (1996) = 14 Hadfield through Hale, 36% female

#### **Awards/Lectures** (not including student awards)

Bartholomew Award/Lecture (total=26) 31% female

Bern Lecture (total=18) 28% female

Gans Award (total=6; started in 2011, no awards in 2015, 2018): 67% female

Moore Award/Lecture (total=11; started in 2009): 27% female

Morse Award (total=6; started in 2014): 33% female

#### **Four main lectures at SICB meetings (does not count ASM lecture):**

Bartholomew, Bern, and Moore Award Lectures and Opening Plenary Lecture (given by Past President every other year)

2008 San Antonio: 2 female (includes Past President Woodin), 1 male

2009 Boston: 0 female, 4 male - (1st year of Moore Lecture)

2010 Seattle: 0 female, 4 male (includes Past President Pearse)

2011 Salt Lake City: 0 female, 4 male

2012 Charleston: 2 female, 2 male

2013 San Francisco: 3 female, 1 male (includes Past President Satterlie)

2014 Austin: 0 female, 4 male

2015 West Palm Beach: 1 female, 3 male (includes Past President Sebens)

2016 Portland: 2 female, 2 male

2017 New Orleans: 2 female (includes Past President Swalla), 2 male

2018 San Francisco: 2 female, 2 male

2019 Tampa: 0 female, 4 male (includes Past President Wainwright)

Analysis: 30% female since 2008 and 40% female since 2012