



Division of Comparative Physiology & Biochemistry

Contents

Message from the Chair	1
Bart Award Winner	2
Message from the Chair of the Bartholomew Award Committee	2
George Bartholomew Award	2
Message from the Program Officer ...	3
Upcoming Meeting Highlights	3
Upcoming Symposia	4
Message from the Student/Postdoc Representative	4
Message from the Secretary	4
Election Results	5

DCPB Officers & Representatives

Stephen Secor
Chair 2014-2016

Donald Mykles
Past Chair 2014-2016

Deborah Lutterschmidt
Secretary 2014-2016

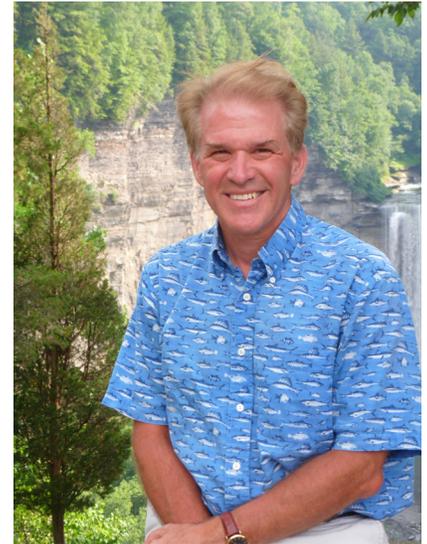
Jonathon Stillman
Program Officer 2013-2015

Natalie Pitts
*Student/Postdoc Representative
2014-2017*

Message from the DCPB Chair

Stephen Secor, Chair.DCPB@sicb.org

Greetings! I hope that everyone had a pleasant and productive summer and now enjoying cooler temperatures while being engaged in another fall term of teaching and research. We have a great meeting in store for us this January in West Palm Beach. Over 1507 abstracts were submitted with DCPB members contributing 157 abstracts. The division is sponsoring 5 symposia as well as the George Bartholomew Lecture. Jonathan Stillman will tell you more about the West Palm Beach program in his Program Officer's report below.



Stephen Secor, University of Alabama

I am very pleased to find that 79 students have entered the competitions for DCPB Best Student presentation for either oral or poster presentation. Ana Jimenez has taken the reins from Harry Itagaki (Thank you, Harry!) to coordinate the judging of student presentations. Let me start by asking that you contact Ana (Ana.Jimenez@lmu.edu) and volunteer to serve as a judge. This competition is an extremely important service we provide to our students and will require a lot of work on the part of Ana, so please agree to serve when asked. If you are a full member of SICB you can also sign up for judging when you register for the meeting. Thanks.

After this upcoming meeting, Jonathon Stillman's two-year term as Program Officer ends. Jonathon has been an outstanding Program Officer and I am pleased to have bridged my term with his. Jason Podrabsky (Portland State University) will be taking charge of our meeting program for the next two years and I am very confident that Jason will continue organizing exciting symposia and well-timed programs (I am already looking forward to Portland). This meeting also starts the one-year term of Inna Sokolova (UNC Charlotte) as our Chair-Elect. Inna will officially become Chair at the end of the 2016 Portland meeting, when my term ends. Deborah Lutterschmidt, our Secretary, will be on board for another year and we will be asking for nominations for Secretary this spring to start in 2016.



The DCPB business meeting will be held prior to the Bartholomew Award talk. Please take the time to attend. In addition to officer and committee reports, the annual reports of the divisionally-sponsored journals *Comparative Biochemistry and Physiology* and *Physiological and Biochemical Zoology* will be given by those journals' editors. Discussion will center on future venues, meeting programs, and the division's support of symposia, other meetings, and journals. This is your chance to voice your concerns and ideas and to get involved.

Bart Award Winner

Dr. Jodie Rummer of James Cook University in Australia was selected as the 22nd George Bartholomew Award winner. Dr. Rummer will give the George Bartholomew Lecture on January 4th at 6 pm that will be followed by a social hosted by DCPB. Dr. Rummer received her B.S. and M.S. degrees from the University of West Florida, and her Ph.D. from the University of British Columbia working with Dr. Colin Brauner. She has held postdoctoral positions at the City University of Hong Kong and James Cook University and is currently a Senior Research Fellow/Assistant Professor at the ARC Centre of Excellence for Coral Reef Studies at James Cook University. Dr. Rummer's research employs an innovative combination of field and laboratory-based studies to examine adaptive traits of coral reef fishes and how they respond to a variety of environmental stressors stemming from climate change. Jodie was selected from a near record number of nominations by the selection committee composed of Sheila Patek (Chair), Adam Summers, Alison Sweeney, Marty Martin, and Robert Cox.

Please join us for Dr. Rummer's talk and award presentation Sunday night and encourage your students and colleagues to attend. The 'Bart' talk has become one of the most popular venues at the SICB meeting and once again will be a memorable presentation. Funded by the Society and DCPB, the Bartholomew Award is also supported by **Sable Systems International**. We thank Sable Systems for their generous and continued support of this award.

Message from the Chair of the Bartholomew Award Committee

Sheila Patek



Sheila Patek, Duke University

Dr. Jodie Rummer was selected to receive the 2015 George A. Bartholomew Award. Additional members of the selection committee included Adam Summers, Marty Martin, Bob Cox, and Alison Sweeney.

George Bartholomew Award Recipient

Dr. Rummer received her B.S. and M.S. from the University of West Florida (1999, 2004) and her Ph.D. from the University of British Columbia (2010). She was a postdoctoral fellow at the City University of Hong Kong (2010-2011) and continued on to an Australia Research Council Super Science Fellowship at James Cook University, Australia (2011-2014). She has



Jodie Rummer, James Cook University

continued to conduct research at JCU, currently as a Senior Research Fellow (assistant professor level). Dr. Rummer is an integrative physiologist who uses techniques ranging from molecules up to whole organisms to understand the ecological and evolutionary physiology of fish. She specializes in the physiology of stress in relation to acclimation, acid-base regulation, life history and biogeography. Her research has made important contributions to classic questions, such as oxygen delivery, as well as to the stress-related physiology of ocean acidification.



Message from the DCPB Program Officer

Jonathon Stillman, DPO.DCPB@sicb.org



Jonathon Stillman,
Romberg
Tiburon Center,
San Francisco State
University

UPCOMING MEETING HIGHLIGHTS JANUARY 3-7, 2015 in West Palm Beach, Florida

The SICB programming committee recently met to finalize the program for our upcoming Annual Meeting, to be held January 3-7 in West Palm Beach, Florida.

The meeting will be held in the West Palm Beach Convention Center, located conveniently across the street from a number of restaurants and drinking establishments, and within an easy walk from many hotels. There will be childcare available at the meeting, and a lot of great activities for families in the area. Hotels will be spread out in an area nearby the conference center and a shuttle bus will run from hotels to the meeting throughout the day. The official meeting hotel (the Marriott) is already full; a listing of hotels with SICB-negotiated rates is available at the meeting website. Additional hotels without SICB-negotiated rates (but potentially competitive) are also nearby.

SYMPOSIA

Comparative Physiology and Biochemistry will have a strong presence at the meeting, including the following contributed session presence:

- 98 oral presentations in 14 physiology-themed sessions in themes that include: Thermal Physiology; Muscle Physiology; Ocean Acidification; Metabolism; Respiration; Reproduction; Osmotic and Ionic Regulation; Cellular

and Molecular Biology

- 94 posters in physiologically-themed poster sub-sessions
- 152 presentations by authors with DCPB primary affiliation
- 79 entrants in DCPB Best Student Paper competitions (oral and poster)

In addition, DCPB has co-sponsored 6 symposia:

- **[Towards a General Framework for Predicting Animal Movement Speeds in Nature](#)**
Organizer: Robbie Wilson; Sponsors: SICB wide; DAB, DCB, DCPB, DEE, and DVM
- **[Physiology in Changing Landscapes: An Integrative Perspective for Conservation Biology](#)**
Organizers: Christine Madliger, Glenn Crossin and Oliver Love; Sponsors: DCE and DCPB
- **[Integrative Biology of the Crocodylia](#)**
Organizer: Valentine Lance; Sponsors: DAB, DCPB, DEEB, DNB, DEE and DPCB
- **[Neurohormones, Brain and Behavior: a Comparative Approach to Exploring Rapid Neuroendocrine Function](#)**
Organizers: Rebecca Calisi and Colin Saldanha; Sponsors: DCE, DAB and DCPB
- **[Leading Students and Faculty to Quantitative Biology Through Active Learning](#)**
Organizers: Laura Miller and Lindsay Waldrop; Sponsors: SICB Wide; DAB, DCB, DCPB, and DVM
- **[Chemicals that Organize Ecology: Towards a Greater Integration of Chemoreception, Neuroscience, Organismal Biology, and Chemical Ecology](#)**
Organizers: James Murray and Russell Wyeth; Sponsors: DNB, DCPB and DIZ

While at the meeting, don't forget to attend the DCPB business meeting on Sunday, January 4 at 5:15 pm, followed by the Bartholomew Award lecture from 6:00-7:30 pm and the DCPB sponsored Bartholomew Award social following the lecture until 10 PM.



Future Symposia –2016 in Portland, OR and 2017 in New Orleans, LA

Looking further ahead, I encourage you to start thinking about proposals for symposia for the New Orleans meeting in 2017. If you are working in a field that has made recent advances, is integrating approaches in new ways, or has matured to the point where a “new synthesis” is ready, a SICB symposium is a terrific way to solidify that effort. Proposals for New Orleans 2017 will be due in August 2015 – feel free to talk to my DCPB Program Officer replacement, Jason Podrabsky (or any other program officer), about your ideas.

Message from the DCPB Student/Post-doctoral Affairs Committee Representative

Natalie Pitts, pittsn@rams.colostate.edu



Natalie Pitts, Colorado State University

I am honored to be elected as the new DCPB Student/Postdoctoral Affairs Committee representative and wish the former representative, Chris Slay, the best of luck as he moves forward with his academic career.

This year at the annual SICB meeting in West Palm Beach, FL, SPDAC will be offering a workshop entitled “The Ins and Outs of Writing Fundable Grants.” In response to feedback from the workshop in Austin, we will be structuring this year’s workshop in small discussion groups. We hope to have ~10 faculty members volunteer to talk and answer questions about a variety of topics related to grant writing. Our goal is to increase interactions between students and faculty members as well as allow students to personalize their workshop by selecting which discussion topics they wish to participate in.

This year SPDAC will also launch Facebook and Twitter accounts in an effort to maintain contact with SICB student and post doc members throughout the year. These social networks will allow us to notify members of changes to the external grants webpage, updates regarding meeting workshops and events, and will serve as a platform for members to post ideas and comments about SPDAC workshops and activities.

See you in West Palm Beach!

Message from the DCPB Secretary

Deborah Lutterschmidt, Secretary.DCPB@sicb.org

Welcome to another fall and the DCPB Fall Newsletter! I am very pleased and excited to continue my role as Divisional Secretary through the 2016 annual meeting in Portland, Oregon. The DCPB will be electing a new secretary this spring for the 2016-2018 term of office, so please be on the lookout for



Deborah Lutterschmidt, Portland State University

requests for nominations later this year. If any SICB member is interested in standing for election for DCPB Secretary please contact our Divisional Chair, Stephen Secor (Chair.DCPB@sicb.org).

Please join me in welcoming our new Student Presentation Judging Coordinator, Dr. Ana Jimenez (Loyola Marymount University). As always, there are a lot of entries (79!) in the Best Student Presentation Awards competition for DCPB. This means the DCPB will need your help in judging these great presentations during the annual meeting. If you have not yet indicated your interest in serving as a judge for DCPB during meeting registration, please email Ana at (Ana.Jimenez@lmu.edu). Many sincere thanks to Ana for her willingness to serve the Division in this very important aspect of student training.



Ana Jimenez,
Student Presentation Judging Coordinator

I look forward to seeing many of you in sunny West Palm Beach! If there is anything you would like to discuss or some news you would like announced to the DCPB membership, please don't hesitate to contact me at Secretary.DCPB@sicb.org. Thanks to all of our members for your continued support of the DCPB.

Results of the Spring 2014 Elections

In spring 2014 the DCPB held elections for two divisional officer positions, the Chair-Elect and Program Officer. Congratulations to our newly elected DCPB officers!

DCPB Chair-Elect

Dr. Inna Sokolova is a Professor in the Department of Biological Sciences at the University of North Carolina at Charlotte. Her research interests include environmental physiology of marine invertebrates and physiological



Inna Sokolova, Chair-Elect

and biochemical adaptations to environmental variation and stress. Inna earned her B.S. in Zoology and Parasitology from St. Petersburg State University in Russia (1991) and her Ph.D. in Zoology from the Zoological Institute of Russian Academy of Sciences in St. Petersburg (1997). She was a Postdoctoral Fellow at the Division of Integrative Ecophysiology, Alfred-Wegener Institute for Polar and Marine Research in Bremerhaven, Germany from 1999-2001 and a Postdoctoral Fellow in the Department of Integrative Biology at the University of Guelph, Canada from 2001-2002. Inna is currently Program Director in the Division of Integrative Organismal Systems of the National Science Foundation, Co-Editor-In-Chief of Marine Environmental Research and Contributing Editor of Marine Ecology Progress Series. She has been a member of SICB since 2003.

Inna will serve a one-year term as Chair-Elect beginning at the conclusion of the 2015 West Palm Beach meeting. She will then take the reigns from our current DCPB Chair, Stephen Secor, and serve a two-year term as Chair from 2016-2018 followed by a two-year term as Past Chair.

Program Officer



Jason
Podrabsky,
Program Officer

Dr. Jason Podrabsky is a Professor and Chair of the Department of Biology at Portland State University. His research interests include adaptation of fishes to extreme environments, physiological and molecular mechanisms of metabolic depression, anoxia tolerance, and the application of genomics and metabolomics to non-model organisms. Jason earned his B.S. in Biology from Oregon State University (1993) and his Ph.D. in Environmental, Population, and Organismal



mic Biology from the University of Colorado (1999). He was a Postdoctoral Fellow at the Hopkins Marine Station, Stanford University from 2000-2003. He has been a member of SICB since 1996.

Jason will take over as Program Officer after Jonathon Stillman's term ends at the end of the 2015 annual meeting in West Palm Beach, Florida. The new Program Officer will serve a two-year term from 2015-2017.

On behalf of the entire Division, the DCPB Officers would like to sincerely thank all of the outstanding candidates for these positions for their willingness to serve the Division of Comparative Physiology and Biochemistry.



From the DCPB Researchers Database:

Robert Dudley, Hummingbird *Archilochus colubris*

Measuring oxygen consumption in a hovering hummingbird, *Archilochus colubris*; from studies by Peng Chai, Doug Altshuler, and Robert Dudley at Caltech.