



Division of Ecology and Evolution

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DEE Officers & Representatives

Art Woods
Chair 2011-2013

Michael Angilletta
Chair-Elect 2012-2013

Michele Nishiguchi
Past-Chair 2011-2013

Aaron Krochmal
Secretary 2012-2015

Elizabeth Dahlhoff
Program Officer 2011-2014

Abigail Cahill
Student/Postdoc Rep 2011-2014

Message from the Chair

Art Woods, Chair.DEE@sicb.org

Dear DEE Members,

At the end of the San Francisco meeting, I hand the reins of DEE over to Mike Angilletta. It's been a pleasure serving you for the past few years, and it's been exciting to oversee a period of growth and experimentation in the underlying physiology of DEE.

We have implemented two major changes, both of which bring new vitality into DEE. The first is a major shift in how we communicate with the division. In the past, we relied simply on the SICB newsletter and the 1-hour business meeting that occurred during the annual meeting. During the past year, we've shifted over to an email-based approach of sending out regular news-blasts. The news-blasts are much more flexible, timely, and digestible. In addition, they allow us to link out to other info, both external to SICB and on the revised and updated [DEE page](#). Many thanks to Aaron Krochmal, our secretary, for spear-heading these efforts!

The second major change is to our annual competition for Best Student Presentation. This year, we've [shifted over to a more focused competition](#), using a format suggested by Mike Angilletta, modified by DEE members, and endorsed by the societal officers. In the new format, students wanting to compete send us 1-page abstracts before the early-September deadline for SICB meeting abstracts. We then review the abstracts and choose 6 each for the oral and poster competitions. During the meeting, the oral presentations will be given in a single session, with all judges present for all talks. Likewise, the posters will be lined up during a single session and judged together. Then during the DEE social at the meeting, we'll announce the winners. We're calling the new award The Raymond B. Huey Award for best student presentation—in honor of a colleague who has been an inspiration to us all (and who gives uniformly excellent talks). The first competition is this year, and we strongly encourage you to go to both sessions. We expect this new structure to provide much higher visibility for DEE students, and for the division as a whole. Many thanks to Mike Angilletta for suggesting the change and to Elizabeth Dahlhoff, our program officer, for implementing the session changes during the SF planning meeting!

Two other brief notes. First, it's clear that the vitality of a division emerges from the joint efforts of both officers and members. It's been my pleasure to work with the current and past officers, who are deeply committed to seeing DEE succeed and grow. The outcomes of this past year's elections have already been announced, but I'll point out again what great folks we have in key positions: Don Miles as PO-elect and Aaron Krochmal for a second term as secretary. We also have new elections coming up this



spring—for Secretary-elect and Chair-elect. I've appointed a nominations committee consisting of three DEE members: Tracy Langkilde (tracy.langkilde@gmail.com), Sammi Smoot (scsmoot@gmail.com), and Scott McWilliams (srmcwilliams@uri.edu). Please contact them if you are interested in running for either position; in addition, they may be approaching you this fall to run. Second, please come to the DEE business meeting in SF! It provides a great venue for getting up to date on DEE issues, and for airing ideas and grievances. On a related note, please send me or any of the other DEE officers an email if you have topics you'd like to see on the business meeting agenda.

Message from the Chair-Elect

Mike Angilletta, Chairelect.DEE@sicb.org

At the end of the meeting in San Francisco, I will take the helm from Art Woods as the Chair of DEE. Art and his fellow officers have done great things to revitalize DEE. First, they began using electronic news blasts to communicate with members of DEE. Second, they developed a new program for the best student oral and poster presentations within DEE. I am pleased to have played some role in these initiatives and look forward to breaking more ground in 2013.

During this time of new ideas and exciting changes, DEE will remain committed to supporting the professional growth of students. Therefore, I encourage proposals from students who might wish to organize a symposium. Consider co-organizing a symposium with an established member of the scientific community. Participating in a symposium is a good way to make valuable contacts and meet potential collaborators. If you have a compelling idea for a symposium within the area of ecology or evolution, please contact Liz Dahlhoff, DEE Program Officer, for more information on the proposal process.

Besides the usual business of attending great talks and symposia, DEE members have two significant events to look forward to in the near future. First, the meeting in San Francisco will be the site of the inaugural competition for the Ray Huey Best Student Presentation Award. We have an exceptional set of six finalists, who will deliver talks in a special session. There will be a companion poster session, also including six finalists. I hope you will all join me in supporting our most elite students during these sessions. Second, the meeting in Austin will

be the testing grounds for another new event to be sponsored by DEE aimed at mentoring our students. This event, with the current working title of "Beer and Brains" combines two of my favorite past times - talking and drinking (but not necessarily in that order). Students and postdocs in DEE will have the chance to gather with a few leaders in ecology and evolution to glean the secrets to their success. With this event, we aim to ensure a relaxing atmosphere in which students can rub shoulders with the "big shots."

These are just two examples of ways that DEE plans to give back to our student members. If you have other innovative ideas, do not hesitate to pitch them to me by email. In the meantime, I'll look forward to seeing you in San Francisco.

From the Program Officer

Elizabeth Dahlhoff, DPO.DEE@sicb.org

San Francisco is shaping up to be a fantastic meeting. Not only will it be the largest SICB meeting ever, it is going to take place in the heart of one of the most beautiful cities in the world, with wonderful food and drink, and unique nightlife. The hotel is smack in the middle of the city, and the view from the sky lounge is literally breathtaking. San Francisco is my home, so look for some "locals only" email blasts from your dedicated PO as the meeting gets closer, to help you all navigate this wonderful, vibrant (if expensive) city.

We have lots of great things planned for this meeting. We are co-sponsoring a slate of truly excellent symposia throughout the week: On Day 2, we have "When predators attack: sensing and motion in predator-prey interactions" (McHenry and Combes) and "Ecological Epigenetics" (Ledón-Rettig, Liebl, Richards, Schrey, and Moczek). On Day 3, "Vertebrate land invasions: past, present, and future" (Gibb, Ashley-Ross, Blob, and Hsieh) will be presented. Day 4 brings "Coping with uncertainty: Integrating physiology, behavior and evolutionary ecology in a changing world" (Nemeth and Bonier) and "Keeping time during animal evolution: conservation and innovation of the circadian clock" (Reitzel and Tarrant). We wind up the meeting on Day 5 with "Physiological responses to simultaneous shifts in multiple environmental stressors: relevance in a changing world" (Todgham and Stillman) and "Phenotypic plasticity and the evolution of gender roles" (Leonard). A record number of abstracts for posters



and papers also means some exciting new, contributed work by DEE undergraduates, graduate students, and postdoctoral fellows. You won't be able to see it all, but there will be as much as you could want, and more!

On a techie note, the San Francisco meeting will see the inauguration of our "meeting app." Use it to receive up to the minute information about what is happening at the meeting! Stay tuned for more about that!

While the number of symposia submitted for the 2014 meeting in Austin was lower than last year's record submissions, we still had a slate of fantastic proposals; nearly all proposals requested DEE co-sponsorship. One that DEE is especially excited about is "Stress, condition, and ornamentation," organized by Geoffrey Hill. Many of the other upcoming symposia are also highly integrative. In addition, we are seeing increased participation by junior scientists (postdocs, young assistant professors, and even graduate students) and by young investigators from groups traditionally under-represented in the sciences. It is great to see this expanding participation. Let's keep it going!

I want to encourage all members of DEE, but especially the undergraduate and graduate students, to come to the DEE social! We will be combined with a few other divisions, including DIZ and their always-entertaining auction. We are working hard to stretch your society dollars to bring in a few nice treats for the social. Join us, and bring friends!

See you in the City by the Bay!

Message from the Secretary

Aaron Krochmal, Secretary.DEE@sicb.org

2012 was a B-I-G year for the DEE, with many programmatic changes being implemented to improve communication within the division, the breadth of services offered by DEE, and the way we mentor our students.

Take a moment to review these new programs and services, and be sure to support them to help the DEE grow!

The Raymond B. Huey Award for Best Student Presentations –

Finalists for the inaugural Raymond B. Huey Best Student Talk competition are – Ryan Carney, Re-

becca Koch, Michael Logan, Timothy Mitchel, Martha Munoz, and Jennifer Sunday.

Finalists for the inaugural Raymond B. Huey Best Student Poster competition are – Jacob Lasala, Michael McCann, Kyle McCullough, Hannah Nelson, Laura Schoenle, and Yu Zeng.

Please help the DEE recognize student excellence and honor Ray's many contributions the DEE and to generations of student-scientists by attending the special competition sessions.

DEE Email News Blasts – At the Charleston meeting, many DEE members asked the officers for shorter, more pertinent, and more easily-digested communications. To address these concerns, we launched the DEE Email News Blasts in March 2012. From the officers' point-of-view, these have been huge success, enabling us to get pertinent content out to DEE members in a timely, easy-to-read fashion... but we need to hear from you! Let us know that these are working by responding to information included in these emails and/or by passing along your thoughts.

DEE Hot of the Press – Also this past spring, we unveiled a new portion of the DEE website, Hot of the Press, where new publications by DEE members are featured. This section is only pertinent and relevant if you submit citations for your current work, so go ahead, brag a little! Email citations for your most recent publications to Secretary.DEE@sicb.org to get them showcased before all DEE members.

With your help – and only with your help – can the DEE continue to support existing programs and develop new ones, so please contribute to and support these initiatives.

Researcher in Focus – Chris Oufiero

Chris Oufiero is an Assistant Professor in the Department of Biological Sciences at Towson University. Broadly falling under the umbrella of evolutionary physiology, his work falls at the interface of evolution, physiology, ecology, and





functional morphology. His research has centered around three main areas: 1) The consequences of sexual selection on functional traits - such as the effect of exaggerated morphologies on locomotion in Xiphophorus (swordtails and platyfish); 2) Diversity and trade-offs in functional traits such as swimming and feeding performance in teleost fishes; 3) The effects of climate variability on morphology and physiology in a phylogenetic context, particularly in ectotherms. Chris uses a variety of techniques in his work, including high-speed video analysis, phylogenetic comparative methods, whole-organismal performance measures, and both aquatic and terrestrial respirometry.

Chris has shown that Sceloporus lizards have evolved to colder climates through increased rates of growth and development and that Sceloporus lizards from more arid environments have more scales, potentially to reduce rates of evaporative water loss. His work on the functional consequences of the sexually selected sword in Xiphophorus has found that the sword does not impart a locomotor cost during development, but that among species, males with longer swords have increased aerobic locomotor abilities. His research has also shown a trade-off between sprint performance and endurance among populations of killifish that inhabit environments with varying levels of predation. Lastly, by looking at the diversity of suction feeding performance in serranid fishes in relation to morphological diversity, Chris has shown that trade-offs in functional systems may be more complex than previously thought. Chris' forthcoming work will continue to use an integrative approach to understand the underlying mechanisms responsible for variation, the ecological effects on fitness-related traits, and the mechanisms by which phenotypic traits evolve in response to both natural and sexual selection.

2013 Meeting Information

The 2012 SICB Annual Meeting and Exhibition will be held 3-7 January 2012 at the Charleston Convention Center in Charleston, SC. As was the case at the 2012 meeting, 7 January will be a full day- with presentations lasting until 4pm - and meeting attendees should make their travel plans accordingly.

For general information about the meeting, go [here](#); the full meeting website can be found [here](#).

Registration

Registration for the 2013 SICB Annual Meeting and Exhibition is now open!

There are three ways to register for the meeting:

1. Register online by clicking [here](#).
2. Register by fax: Fax your completed form (found [here](#)) with credit card information (Visa, Master Card or American Express) to (703) 790-2672.
3. Mail your completed form (found [here](#)) with payment to:
SICB Business Office
1313 Dolley Madison Blvd., Suite 402
McLean, VA 22101

To qualify for discounted early registration, forms and payment must be received at the SICB Business Office by Friday, December 3, 2012.

Lodging

The SICB Annual Meeting hotel is the Hilton San Francisco Union Square, 333 O'Farrell Street, San Francisco, California, 94102, USA. (Phone 1-415-771-1400, Fax 1-415-771-6807)

Group rate is \$125 available January 2-January 8, subject to availability. To receive this rate, you MUST make your reservation through [this](#) link.

Travelers' Information

For key information about San Francisco, including getting to the meeting site, public transportation, and the scoop on eating, drinking, and touring during the meeting, read the Notes from the Underground, [here](#).

SEE YOU IN SAN FRANCISCO!



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