



Division of Evolutionary Developmental Biology

Contents

Chair Message.....	1
Program Officer Message	2
Secretary Message	3
Minutes.....	3
Nominations	3

DEDB Officers & Representatives

Chris Lowe
Chair 2012-2014

Sally Leys
Chair-Elect 2013-2014

Mark Martindale
Past Chair 2012-2014

Brad Davidson
Secretary 2013-2015

Louise Page
Program Officer 2013-2016

Jacob Musser
*Student/Postdoctoral Affairs
Committee Representative
2011-2014*

Message from the Chair

Chris Lowe (Chair.DEDB@sicb.org)

Hello all from California. Our Division kicked off the New Year with a great annual meeting in San Francisco that broke all attendance records. DEDB had 50 contributed talks and 42 posters in addition to symposium-related presentations. Our division co-sponsored 3 symposia this year: Ecological Epigenetics -- organized by Cristina Ledon-Rettig, Andrea Liebl, Christina Richards, Aaron Schrey, Armin Moczek; Understanding First Order Phenotypes: Transcriptomics for Emerging Model Systems -- organized by Suzy Renn and Ant3nia Monteiro; and Vertebrate Land Invasions: Past, Present, and Future -- organized by Alice Gibb, Miriam Ashley-Ross, Richard Blob, Tonia Hsieh.

Congratulations again to the winners of our best student presentation awards; Austin Barnett for "The delineation of the fourth walking leg segment is temporally linked to posterior segmentation in the mite *Archegozetes longisetosus*" and, Angela Kacmarczyk for "The molecular mechanisms of germline regeneration in *Parhyale hawaiiensis*."

Our next meeting is going to be in Austin Texas, and our new Program Officer, Louise Page, will tell us more about the exciting program that is shaping up for next January.

I have a few issues to bring to your attention that were discussed at the Divisional meeting in San Francisco. The first is our goal of increasing membership in general, but also increasing the participation of our existing members at the annual meeting. EvoDevo has become a very broad field and at SICB we need to think about what aspects of this large field we would like to emphasize in DEDB. Our symposia are largely what define us as a Division, and our current system of selecting topics is driven by submission of ideas from our membership. We discussed the possibility of forming a committee to help identify new and exciting areas for symposia with broad appeal. This system would work alongside our current selection process. I would like to get some community feedback on this idea, so please email me with your comments/suggestions. I will also follow up this letter with a further email to address this topic directly.

Finally, to NSF, the funding agency that provides financial support to many of our research endeavors in DEDB. As many of us are aware, there have been some recent substantial changes to the reviewing process and the number of reviewing cycles. We have been through a complete review cycle and are now into the second. There has so far been no official feedback from our Division to NSF Developmental Mechanisms, where many of us apply, and I would like to gauge the desire of our membership to give



structured feedback to NSF on our impressions, both positive and negative, on this new system. I have discussed the possibility of partnering with the Society of Developmental Biology to canvas broadly the PIs who are most impacted by these new changes. Again, I would really like to get community feedback before proceeding any further. Please get in touch if you have ideas or strong opinions. You can reach me by email Chair.DEDB@sicb.org.

I will close by wishing you all a productive Spring and Summer and will be back in touch in the Fall.

Message from the Divisional Program Officer

Louise Page (DPO.DEDB@sicb.org)

Hello everyone,

I am taking over the reins as DEDB Program Officer from the able hands of Patricia Hernandez – a hard act to follow. Patricia has kindly assisted me with the task of getting up to speed with the job requirements, so hopefully the transition will be seamless.

A major highlight of each annual SICB meeting is the terrific selection of Symposia sponsored both individually and cooperatively by the various Divisions. For next year's annual SICB meeting in Austin Texas, DEDB put forward a Symposium titled: "The cell's view of animal body plan evolution," which is being organized by Deidre Lyons, Mansi Srivastava, and Mark Martindale. The focus is on cellular mechanisms during animal development, with a comparative context providing a segue into evolutionary insights. The wide-ranging appeal of this proposal is demonstrated by its selection as one of the Society-wide symposia for the Austin meeting.

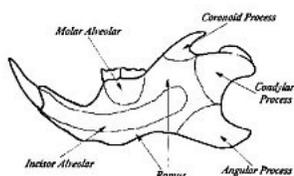
As Program Officer, I would like to encourage the submission of Symposia proposals for future SICB annual meetings. Believe it or not, planning needs to begin soon for Symposia targeted to the 2015 meeting in West Palm Beach FL. The due date for submission of proposals for the 2015 meeting is **August 30, 2013**, which, alas, will arrive with lightning speed.

For detailed information about organizing a Symposium, please open this page from the SICB website: <http://www.sicb.org/meetings/2015/callsymp.php>.

The page provides a link to: 1) New Symposia Guidelines (provides detailed information relevant to organizing a symposium) and 2) NSF Funding Guidelines for Symposia (provides information about obtaining external funding from NSF for your symposium). Please note that symposium participants are expected to contribute a written paper to be published in Integrative and Comparative Biology. The journal waives page charges for manuscripts of 12 printed pages or less and one free color figure is included (more if the Editor agrees that color is essential for conveying important data).

A strength of DEDB within SICB is that it provides a venue for showcasing developmental research on non-model organisms; work that is uniquely positioned to reveal unique insights into the evolutionary significance of development. This is beautifully illustrated by research that won the best student oral and poster presentations at the 2013 San Francisco meeting. Austen Barnett of Southern Illinois University reported some surprising insights about patterning of posterior segments in an oribatid mite and Angela Kaczmarczyk of University of California Berkeley reported on the discovery of post-embryonic recruitment of germline cells in *Parahyale hawaiiensis*. Clearly, the upcoming generation of developmental biologists has a strong interest in developmental strategies throughout the wide canvas of the Metazoa. Let's think about this huge potential for future discovery when contemplating future Symposia themes!

Morphogenetic Components of the Mandible



Brian Hall



Message from the Divisional Secretary

Brad Davidson (Secretary.DEDB@sicb.org)

Greetings! It was great to see so many of you at the San Francisco meeting and to get a taste of the enormous range of current evo-devo research. As always, our division sponsored a number of terrific symposia along with many excellent presentations and posters and we were delighted to see so many new students and members joining in. As mentioned by Chris Lowe, our goal this year will be to increase participation by our division at all levels and it shouldn't be too hard a task to lure additional members down to Austin next January.

In addition to SICB, a couple of other upcoming meetings should be of interest to members of our division. The 17th International Congress of Developmental Biology will take place in Cancún, Mexico, June 16-20, 2013; abstracts were due March 15th but registration is still open. <http://www.inb.unam.mx/isdb/index.html>. There will be an EDEN mini-symposium on the "Evolution of Gene Regulatory Networks" held at the 2013 Evolution meeting, Snowbird, Utah, June 21-25. <http://www.evolutionmeeting.org/>. Also note that registration is still open for the 10th International Congress of Vertebrate Morphology (ICVM-10) held in Barcelona, Spain, from July 8-12, 2013, <http://icvm2013.com>. Additionally, the 5th Euro Evo Devo conference takes place next summer, July 22-25, 2014 in Vienna, Austria. See the conference website for details on abstract submission, program information, and accommodations: <http://evodevo.eu/conferences/2014>.

We will also be having a divisional election for Secretary-elect this Spring. We are fortunate to have two superb candidates for office. Please make sure to read their statements below and vote during the election in May.

Minutes of the DEDB Business Meeting in San Francisco, California

[Click here.](#)

Gregory K. Davis

Current position: Assistant Professor of Biology, Bryn Mawr College.

Education: B.S., 1992, Duke University; M.A. (History and Philosophy of Science), 1995, University of Pittsburgh; Ph.D. (Developmental Biology), 2002, University of Chicago.

Professional experience: Assistant Professor, Department of Biology, Bryn Mawr College, 2008-present; NRSA Postdoctoral Fellow, Department of Ecology and Evolutionary Biology, Princeton University, 2002-2008.

SICB activities: Member of SICB since 2000.

Other memberships: Society for Developmental Biology, Genetics Society of America.

Research interests: I am broadly interested in the developmental basis of evolutionary change and in particular the development and evolution of phenotypic plasticity. My recent work has focused on the reproductive polyphenism in aphids, in which differences in day length determine whether mothers will produce daughters that reproduce either sexually or asexually.

Goals statement: I joined SICB as a graduate student in 2000, motivated by the inaugural symposium of the Division of Evolutionary Developmental Biology. Since then I have enjoyed the interdisciplinary fruits that the DEDB has continued to offer up at our annual meetings. I expect that in the coming years the division will continue to remain strong and vibrant, particularly as newly available technical tools, such as those from next gen sequencing, become more widely used. Having joined SICB as a graduate student, I have always valued the fact that our annual meeting offers students and postdocs more opportunities to showcase their research than one typically finds at meetings of this size. Should I become elected as secretary I hope to not only keep accurate records and maintain the flow of news and information to all members of the division, but in particular to try to think of ways we can reach some of our younger members and foster connections between them and long-standing members. To achieve this goal I'm looking forward to working closely with the division's senior officers and the student/postdoc representative.



Gregory K. Davis



Ajna S. Rivera



Ajna S. Rivera

Current Position: Assistant Professor in Biological Sciences, University of the Pacific, Stockton, CA, USA 2010-present

Education: B.Sc. Biological Sciences, Stanford University 1999; Ph.D. Molecular and Cell Biology, UC Berkeley 2006
"Notch signaling during segmentation in the

leech, *Helobdella robusta*"

Previous Professional Experience: Postdoctoral Scholar, UC Santa Barbara, Dept of EEMB 2006-2009; Instructor, UC Santa Barbara, Dept of EEMB 2009; Teaching Postdoctoral Fellow University of Richmond, Dept of Biology 2009-2010

SICB activity: Member since 2004; Symposium speaker 2013 "Integrating genomics with comparative vision research of the invertebrates"

Research interests: Evolution and development of gene regulatory networks, Evolution of nervous/sensory systems, Sponge evolution and development, crustacean evolution and development, crustacean eyes development, Evolution of sexual dimorphism.

Goals statement: As secretary I will work to ensure that my duties are carried out in a timely and efficient manner with the least amount of work required from other members of this division. I will manage the student presentation awards efficiently to ease the judging burden. I will keep our website and database up to date. I will assist in keeping the committees running smoothly. Finally, I will facilitate communication with the rest of SICB via our biannual newsletter contributions.

