



## Division of Neurobiology

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### DNB Officers & Representatives

**James A. Murray**  
Chair 2007-2013

**Lisa Mangiamele**  
Secretary 2012-2014

**Duane McPherson**  
Program Officer 2007-2014

**Darcy Kato Ernst**  
Student/Postdoc Representative  
2010-2013

**Roger Croll**

### Message from the Chair

*James Murray*

Hope you enjoyed the program in Charleston, with 32 talks and 45 posters associated with DNB. The DNB provided support for four symposia: *Novel methods for the analysis of animal movement: Spatial and temporal structure across scale*, *New Frontiers from Marine Snakes to Marine Ecosystems*, *Combining experiments with modeling and computational methods to study animal locomotion*, and *EvoDevo Rides the Genomics Express*. Thanks to Duane McPherson, our Program Officer, for organizing the program, and a special thanks to our 22 volunteer judges for helping with the Best Student Presentations. We had 21 students competing with some very strong presentations; see News and Announcements below for the winners! Also, welcome to Lisa Mangiamele, who is now the Secretary of DNB, and doing a great job. If you took any nice photos of the meeting participants, please forward those to her for the website or the Facebook page. I will see you all in San Francisco in January 2013. The one DNB-sponsored symposium proposal for 2013 was not approved by SICB (only about one third of the proposals were approved), so I hope some of you will consider submitting proposals for DNB-sponsored symposia for the 2014 meeting (deadline is 24 August 2012). Please contact me or Duane for advice on organizing a symposium.

And let's also thank Tom Pirtle, our outgoing Secretary, who has put in many years of service to DNB!

We have an election for a new DNB Chair now and we need you all to vote for that, as well as for some minor changes to the bylaws that help clarify some policies. One larger change is the executive committee of DNB would like to change the terms of our offices so that we don't elect more than one officer per year. **To do this, we propose changing the Chair, Secretary and Program Officer terms to 3 years this year, but we would phase in the new term lengths over the next few election cycles as follows:**

2012 Elect Chair (2-year term)

2013 Elect Program Officer (3 year term), Elect Secretary (2-year term)

2014 Elect Chair (now for a 3-year term)

2015 Elect Secretary (3-year term)



2016 Elect Program Officer

2017 Elect Chair

We now have email addresses that are standardized for all of the officers, so you can email to these official addresses, and it will be forwarded to the person holding that office (<http://www.sicb.org/resources/sicbofficerscontacts.php>). If you are a student or postdoc, please feel free to contact your representative Darcy Ernst, who is on the Executive Committee of DNB. Darcy serves on the Student/Postdoctoral Affairs Committee of the SICB.

The minutes from SICB Executive Committee meeting are [online](#), but let me here note a few highlights. Charleston was our most attended meeting EVER (with 1431 presentations), but the meeting in 2013 is expected to be even larger. Our management firm, Burk Associates Inc., has negotiated great housing prices in SF, but food prices will be higher than in Charleston. Space for posters may be limited, so we may ask that posters be limited in width. SICB finances are doing well, and a strong scientific program, leading to higher income from the *ICB* journal, is the basis for this success.

The Society enacted \$5 divisional dues for all divisions, so during this next year DNB will have funds that we can use at our discretion. Please send me input about how these can be best spent to advance DNB's needs. For instance, they could be used to provide a student travel award, or to increase the number or amount of best student paper awards. The more members DNB has, the larger this fund will get.

We could also improve the DNB website by adding some Researchers Database Entries. These are short descriptions of your research focus with an accompanying image. You can send them to the DNB Secre-

tary, Lisa Mangiamele, and she can have them added to the SICB website. Also, please send us any press releases from your lab and we can post them on the SICB website. Please join our Facebook group for DNB. You can use it to share ideas, ask questions about new techniques, hear about funding opportunities relevant to integrative research. Spread the word: <http://www.facebook.com/groups/4274475545/>

As this is a year with a Congress of Neuroethology, we are in discussions with ISN about how DNB and ISN can cooperate. Please also recruit colleagues to join SICB and show them what a great society we are.

## Message from the Program Officer

*Duane McPherson*

### Charleston, S.C. 2012

The SICB meeting in Charleston, S.C. ran smoothly from January 3-7, 2012 and was a record meeting in size. The general trend of growth in the size of the annual meetings indicates that SICB is a healthy organization, and the report from the Treasurer at the meeting indicates that it is in good financial health, as well. The number of contributed presentations in the area of Neurobiology continues to increase and I am optimistic that the trend there will continue. If you have any comments on the Charleston meeting or suggestions for the next meeting, please feel free to send them to me at my e-mail address: [mcpherso@geneseo.edu](mailto:mcpherso@geneseo.edu).



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### San Francisco, CA 2013

The next annual meeting will be in San Francisco, CA and will run from January 3-7, 2013. The Division of Neurobiology will be lending financial support to four symposia that have a neurobiology connection: **When Predators Attack: Sensing and Motion in Predator-Prey Interactions**, organized by Matt McHenry and Stacy Combes; **Vertebrate Land Invasions**, organized by Alice Gibb, Miriam Ashley-Ross, Richard Blob, and Tonia Hsieh; **Phenotypic Plasticity and the Evolution of Gender Roles**, organized by Janet Leonard; and **Integrating Genomics with Comparative Vision Research of the Invertebrates**, organized by Jeanne Serb and Todd Oakley.

While San Francisco is a very attractive venue, the room space available for the meeting will be limited in comparison to Charleston or Salt Lake City. In order to accommodate the expected number of talks and posters, a couple of ideas are floating as possibilities to modify the presentation format. One would be to limit the total duration of each contributed talk to 15 minutes, rather than the current 20 minutes. At first I was resistant to this idea, but upon reflection I believe that 15 minutes used to be the norm, or at least it is at many other meetings.

The other format possibility relates to the poster sessions and would involve putting two posters on each poster board. Again, this suggestion was jarring at first, but it turns out that the standard size for poster boards is consistent from city to city and all are much larger than our standard poster dimensions. If each poster oriented so that the long axis were vertical rather than horizontal, then two of our standard-size posters would fit on one poster board. This, I have heard, is normal for poster sessions in other countries. The up side of this option is that it would make it easier to maintain the wide spacing between poster rows that we have had at recent meetings. We could probably add some lateral space between individual poster boards, as well.

So far as I know, there have not been any decisions made about these suggestions, but it certainly seems likely that we will face crowding

in both time (contributed talks) and space (posters) unless we develop some creative solutions. I would welcome comments from DNB members between now and the fall planning session so that I can convey to the program committee the wishes of the DNB membership.

### Austin, TX 2014

It is already time to start planning for the 2014 meeting in Austin, if you have an idea or a plan for organizing a symposium. The competition for symposium approval has become rather intense, so it will be very helpful if you contact the Program Officer well in advance of the symposium proposal submission deadline, which is August 24, 2012. I cannot guarantee approval of your proposal but I can at least help you avoid some common pitfalls. We don't have a DNB-specific symposium scheduled for the San Francisco meeting, so it would be great to have one or more at the Austin meeting. Besides which, Austin will be a very fun city to visit!

Okay, that's about it! Enjoy the rest of your Weird Winter Weather, and let's hope that it doesn't lead to a really weird spring and summer. If you work in the field, have a great season. If you work in the lab, try to get outside.

### Message from the Secretary

*Lisa Mangiamele*

I'm happy to be serving as the new Secretary for SICB DNB. One of my goals as secretary is to facilitate better connections between the members of DNB. Here, I'll highlight a few ways in which I am trying to do that:

First, I've started a new feature in the newsletter that will highlight the scientific work of our own members. In each newsletter, I hope to include a brief paragraph – along with some eye-catching photos! – to inform members about some of the exciting scientific work our colleagues are doing. In an effort to give more exposure to the excellent student research that makes up a very large portion of the SICB



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meeting, this issue will feature our winner for best student talk, Mike Bok. My hope is that this feature will help us stay better connected with each other throughout the year, and potentially foster more dialogue and research collaborations between members of the society. If you are interested in having your work featured, or want to nominate a colleague's or student's work, please email me at <mailto:secretary.dnb@sicb.org>.

Second, both Jim Murray and I have made steps toward helping SICB DNB members to connect with each other via social networks. As Jim mentioned above, we now have a Facebook group. I have also created a LinkedIn group for SICB DNB members (see News & Announcements below for details). To those of you who already use these sites, please join our group! To those of you who haven't yet jumped on the social networking bandwagon, please consider it – it's a great way to share ideas and information with other SICB members quickly and easily.

Lastly, I encourage DNB folks to contribute to society-wide efforts to facilitate information exchange among SICB members. Two ways to do that are the following: (1) Add information about yourself and your research to the Researcher's Database. It's simple: just email me a short description of your research, along with a photo, and I will add it to the SICB webpage. Added bonus: photos entered in the Researcher Database will show up on the rotating image on the SICB homepage.

(2) Enter information about the courses you teach into your member directory page. A database is being built to serve as a place for members to share lab exercises or other teaching resources. This ultimately benefits us all, especially DNB members who are junior faculty. Remember how much time *you* spent teaching a course for the first time? Don't you wish a database like this existed? The utility of this resource depends on the active participation of all SICB members, so please contribute.

And finally, as you will see on the ballot that will come out in May, several changes are being proposed in the DNB bylaws. The changes are intended to simplify and facilitate the conduct of DNB business. Please carefully read the proposed changes and their rationales below.

### Contributed Article: "More than Mice"

By Zen Faulkes

Email: [zfaulkes@utpa.edu](mailto:zfaulkes@utpa.edu)

*Secretary's Note: Jim Murray invited neuroethologist Dr. Zen Faulkes (U Texas, Pan American) to contribute an article for the newsletter. Here, he defends the comparative approach to neurobiology. I hope we can continue this section in future newsletters, so please send us story ideas, or recommendations for authors.*

At a recent conference (not SICB), my student and I noticed that many people at our poster assumed that we had knowledge that we didn't. We sometimes had a hard time explaining to them that we didn't have the data, or couldn't easily get the data, or that there was no good reason to think things worked that way.

For instance, several people seemed to assume that there was a genome available for our organism. Not only do we not have a genome for our species, we don't have a genome for any species in the genus... or the family... or the **order** that our animals belong to.

It took a while to realize that these questions came up because our visitors were used to thinking about research with mice.

There is probably no other animal species being studied as much as mice right now (except, perhaps, humans). Late last year, Daniel Engber published a trio of articles examining how research became so... mousey



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("The mouse trap", [http://www.slate.com/articles/health\\_and\\_science/the\\_mouse\\_trap/2011/11/lab\\_mice\\_are\\_they\\_limiting\\_our\\_understanding\\_of\\_human\\_disease.html](http://www.slate.com/articles/health_and_science/the_mouse_trap/2011/11/lab_mice_are_they_limiting_our_understanding_of_human_disease.html) , *Slate*) examining the rise of mice as an experimental model organism. The rise to prominence started decades ago, and accelerated with genomic and transgenic tools developed for mice first. At that point, success bred success. With so many tools available, the ability to do experiments ramped up in mice so quickly that research on other organisms has had a hard time keeping up.

This dominance extends to neurobiology, too. Engber cited a study that mice and their fellow rodents, rats, make up almost half of the neuroscience literature. Traditionally, the choice of animals in comparative neurobiology was justified by technical convenience: "These animals have fewer neurons, bigger neurons, and it's just easier to do the science in these animals than in a mammal." This was famously codified by August Krogh, who wrote there were often organisms that were particularly convenient to study that scientific problem in. But the development of the genetic toolkit generally, and the mouse toolkit specifically, has grown so fast that many of those technical justifications aren't as attractive as they were. Invoking the Krogh Principle today often results in the answer, "Mouse."

For comparative neurobiologists, it's more important than ever to find the things that mice cannot do, and to emphasize the limitations of mice. Some are obvious – electroreception! Mice can't do that! – but others are not. Tying neural circuits to the relevant ecology and fitness advantages of animals may be easier in other species. I'm sure it can be done in mice, but am not sure if many people are interested in trying.

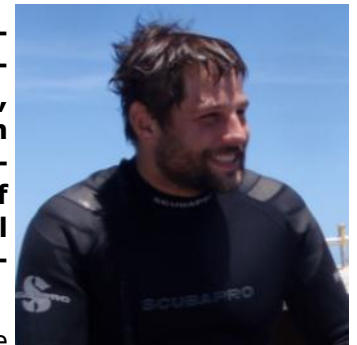
Perhaps the pervasiveness of mice offers

some hope for comparative neurobiologists: our research isn't run of the mill. It's much easier to make great scientific stories around the unfamiliar than the everyday. I'm not sure the furry little rodents dominate press releases and news coverage as handily as they dominate the peer-reviewed research papers. People like to hear stories of all different kinds of animals, and not just mice.

Even August Krogh, whose principle justified comparative biology by convenience, also wrote (*Amer J Physiol* **90**: 243–251), "I want to say a word for the study of comparative physiology also for its own sake. You will find in the lower animals mechanisms and adaptations of exquisite beauty and the most surprising character."

### Focus On Student Work

**Michael J. Bok, University of Maryland, Baltimore County, "Ultraviolet vision in mantis shrimp" – Michael was the winner of the Best Student Oral Presentation in the Division of Neurobiology**



I am interested in the way marine organisms visualize their complex and challenging light environments. Mantis shrimps especially have developed one of the most sophisticated visual systems ever described. These curious, tenacious crustaceans are capable of color vision beyond our range into the infrared and ultraviolet, as well as linear and circular polarization discrimination capabilities. I work specifically on trying to understand their remarkably



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Mantis shrimp (*Haptoquilla trispinosa*)

unique ultraviolet visual system, which itself is made up of six distinct photoreceptor types. I study the genetics and optics involved in these receptors, as well as their behavioral, ecological, and evolutionary significance.

sea hare interactions"

Honorable Mention: Paul Borsuk (Saint Xavier University)"Colocalization of aromatase and nitric oxide immunoreactive neurons in the forebrain of the male red-sided garter snake"

### News and Announcements:

#### SICB DNB Facebook and LinkedIn Groups

Want to connect with other SICB members online? Here's how:

To join the Facebook group, go to: <http://www.facebook.com/groups/42744755545/> Click **Ask to Join Group** at the upper right side of the SICB DNB group's page. You can also be added to a group by a friend who is already a member.

To join the Linked in group, move your cursor over **Groups** at the top of your homepage, and select **Groups Directory** from the drop-down menu. Then search for "SICB Division of Neurobiology" using the **Search Groups** box on the left. Click the **Join Group** button.

#### Best Student Presentation Winners

Congratulations goes to the following students for their excellent presentations.

Michael J. Bok (University of Maryland, Baltimore County) for Best Talk "Ultraviolet vision in mantis shrimp"

Tiffany Love-Chezem (Georgia State University) for Best Poster "Chemical defense through sensory disruption in spiny lobster-

#### Other Meetings of Interest

The 10th Annual International Congress of Neuroethology will be held at the University of Maryland, College Park, August 5th - 10<sup>th</sup>, 2012. The meeting is associated with the International Society for Neuroethology ([www.neuroethology.org](http://www.neuroethology.org)). This will be a great opportunity to attend the neuroethology meetings within the U.S. Please check the website for information on abstract submissions, meeting registration, and travel arrangements:

<http://icn2012.umd.edu>.

#### DNB Business Meeting Minutes

Below is a brief summary of the business meeting minutes from the 2012 SICB meeting in Charleston, SC. For full details on some items of business, please go to SICB website to download the meeting minutes <http://www.sicb.org/divisions/DNB/minutes.php3>.

Michelle Elekonich from NSF updated us on the new solicitation for investigators wishing to apply for funding to the behavioral systems cluster (solicitation no. 11-572). The budget for the upcoming year is currently in process, however, she could let us know about a 2.5% projected increase to NSF (although this would not be equally distributed among the clusters). Bottom line: no huge cuts. Michelle also stressed that DNB members could apply for a new program that funds interdisciplinary



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nary work. The new program is called CREATIV (acronym for Creative Research Awards for Transformative Interdisciplinary Ventures). Michelle described that the work of many DNB members could be appropriate for the CREATIV grant mechanisms; one example is a project combining neurobiology and computing. See NSF website for further details.

SICB 2012 Meeting Stats: Total of 77 presentations given by DNB members: 32 talks, 45 posters.

Symposium Proposals: There was a high level of competition for symposia. The SICB executive committee offered advice on how to get your proposal accepted in the future. One point to remember is that some of the funds for the symposia comes from NSF, so symposia are more likely to be funded if they better fit NSF's mission. That is, they should be forward-looking and integrative. Some things that are discouraged: topics done previously or recently, and retrospectives. Also, it helps if your symposia can fit NSF's goal of "broadening participation" in science. DNB members were reminded to contact the division's program officer if you're thinking about submitting a symposium proposal. The deadline for Austin is August 24, 2012.

Teacher Database: The educational council encourages all SICB members to enter information about the courses they teach into their member directory page. A database is being built to serve as a place for members to share lab exercises or other teaching resources. This resource depends on the active participation of all SICB members, so please contribute.

Discussion: Do we like the undergraduate poster session on the first day of the SICB Meeting? General consensus was yes, but it was mentioned that the session

needs to be advertised better.

Discussion: Is DNB interested in starting a session of 5 minute talks, a format that some other divisions experimented with this year? Jim requested ideas and feedback on this issue.

Several members expressed interest in creating a stronger and more formal link between SICB DNB and the International Society for Neuroethology (ISN). One way of fostering this link would be to allow ISN members to submit an abstract to SICB at the member rate. The ISN meeting occurs every 3 years, so this may be a useful way for its US members to present their work every year, as well as for ISN members to meet SICB members with similar interests.

### Proposed Bylaws Changes:

(Old language indicated by strikethrough; new language in **bold underline** text)

### Article III. Administrative Organization

#### Section 1. Officers

The officers of the Division shall be a Chair, Secretary and Program Officer. **The Officers plus the DNB representative on the SICB Student/Postdoctoral Affairs Committee shall comprise a Divisional Executive Committee.** ~~The Chair, Secretary and Program Office shall be elected for a term of two years and shall be eligible for re-election, except that the Chair shall not serve more than two terms.~~ **The Chair shall be elected for a term of three years and shall not be eligible for re-election. The Program Officer shall be elected for a term of three years and shall be eligible**



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**for re-election. The Secretary shall be elected for a term of three years and shall be eligible for re-election.** Elections for each of these offices shall occur individually.

**In the circumstance that an elected officer is unable to complete his or her term of office, the following provisions are made: If the office of Secretary or Program Officer is vacated early, the Chair, in consultation with the Divisional Executive Committee, shall appoint someone to serve until elections can be held to fill the position. If the office of Chair is vacant, the Divisional Executive Committee will appoint someone to serve as the interim Chair until an election can be held.**

**Rationale:** The changes here involve the duration of the terms of office. Currently each officer serves a two-year term, and we propose increasing that to three years. The reason for the change is that it takes at least a year to gain the skills of the office, so it makes sense to use those skills for two additional years rather than one.

The proposed changes in term lengths, if approved, will be phased in over a period of time so that the election of each officer falls on a separate year. The simplest way to accomplish that is to elect a Chair this year for a two-year term, then increase the term of the Chair to 3 years in the 2014 election. In the spring of 2013 there will be an election for the Program Officer (for a three-year term), and there will also be an election for Secretary (for a two-year term). The term for Secretary will change to 3 years, effective at the next election (2015). From that time on, there will be an election each year for a single divisional officer.

The other change in first paragraph of this

section relates to our inclusion of the DNB representative on the SICB Student/Postdoctoral Affairs Committee in the Divisional Executive Committee. We have had a student/postdoc representative for several years, but the bylaws have not reflected that. This change is part of the necessary correction.

The second paragraph, which was not present before, describes a mechanism to deal with the possibility that one or another of the Officers is unable to complete his or her term of office. We need to have a procedure for this eventuality. The language here is modeled after that in the bylaws of other SICB divisions.

### Section 2. Elections

Election of officers shall be ~~by ballot of the Division~~ **held by either appropriately secure electronic ballots or paper ballots.** The names of candidates for offices shall be published in advance of a mail ballot, **and a brief biography of each candidate shall be made available on the ballot.** ~~All officers shall assume the duties of their office following the annual Division business meeting.~~ **The term of office of all elected officers and appointed representative shall begin at the end of the second SICB Executive Committee meeting at the Annual Meeting in the year the term is to begin, and shall end at the adjournment of the second SICB Executive Committee meeting at the Annual Meeting in the year the term is to expire.**

**Rationale:** There is a minor change here to specify the physical nature of the ballots (paper or electronic), followed by a more substantial change to set the date of the beginning and end of the term of office. The





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existing language set the change of officers at the Divisional business meeting, which generally takes place on the second or third day of the meeting. This could have the awkward effect of placing a new officer into a position of responsibility in the middle of the Annual Meeting of the Society, rather than allowing a more gradual shift of responsibility. The other divisions whose bylaws we reviewed (especially Animal Behavior and Comp. Biochem. & Physiol.) make their term changes after the end of the final business meeting of the society, and that makes intuitive sense. So that is the reason for the change proposed here. This change also makes the DNB bylaws consistent with the SICB bylaws.

### Section 3. Nominations for Chair

Nominations for the office of Chair will be solicited by **a Nominating Committee appointed by the Chair in consultation with the Division Executive Committee** ~~Division officers on even calendar years.~~ At least two candidates for the position ~~shall~~ **should** be named. Candidates for Chair must be members in good standing of SICB.

**Rationale:** Under the current language, we are *required* to have at least two candidates nominated for an election. Unfortunately, we have not always had two candidates, and the current language would prohibit an election under that circumstance. While it is always very desirable to have two or more candidates, the proposed change will give the division flexibility to allow an election and a change of leadership in that case that only one candidate has been identified.

### Section 4. Nominations for Secretary and Program Officer

Nominations for the offices of Secretary and Program Officer shall be solicited ~~on odd calendar years~~ and a ballot prepared by a Nominating Committee appointed by the Chair in consultation with the Division Executive Committee. At least two candidates for each office shall **should** be named and all candidates must be members in good standing of SICB.

**Rationale:** The rationale here is the same as for the elections for Chair. The designation of odd and even years is no longer necessary.

### Section 6. Executive Committee

The management of the Division shall be vested in **the Divisional Executive Committee** consisting of the elected officers of the Division **and the DNB representative on the SICB Student/Postdoctoral Affairs Committee.**

**Rationale:** The proposed change clarifies that the Divisional Executive Committee includes a student/postdoc representative (as a non-voting member: see Article 4, Section 4, below).

### Section 7. Newsletter

~~Officers~~ The members of **the Divisional Executive Committee** shall prepare materials regularly for the *SICB Newsletter*.

**Rationale:** The change from "Officers" to "Divisional Executive Committee" simply reflects the addition of a Student/Postdoctoral Affairs Committee representative to the divisional executive committee.

## Article IV. Duties of the Officers



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Add new section 4.

### **Section 4. Student/Postdoctoral Affairs Committee Representative**

**The Chair, acting in consultation with the Divisional Executive Committee, shall suggest a representative to serve on the society-wide Student/Postdoctoral Affairs Committee (SPDAC). Appointment shall be made by the SICB President for a term of up to three years and shall be renewable. The Student/Postdoctoral Affairs Committee representative must be a member in good standing of SICB. The Student/Postdoctoral Affairs Committee representative will serve on the Divisional Executive Committee as a non-voting member.**

**Rationale:** This is a new addition to the bylaws and comes from our addition of the DNB Student/Postdoc representative to the Divisional Executive Committee.

Insert new Article VI, renumber current Articles VI and VII to Articles VII and VIII respectively.

### **Article VI. Best Student Presentation Awards**

**Two awards will be made for Best Student Presentation at each Annual Meeting, one for the best oral presentation and one for the best poster presentation. Each awardee will receive a certificate and a monetary prize. Eligibility will include undergraduate students and graduate students who have not yet been awarded the PhD, as well as new PhDs who have received the degree within the 12 months prior to the meeting. The work must be original and must**

**have been carried out primarily by the student presenting it. The prize can be awarded only once to any student, and each student competing must be a member of the Division of Neurobiology. The Chair shall be responsible for organizing a committee of judges to review the presentations.**

**Rationale:** This is a new addition to the by-laws to clarify the nature of the awards and how they are determined. The language is modeled after the bylaws of several other SICB divisions.

### **Divisional Officer Elections**

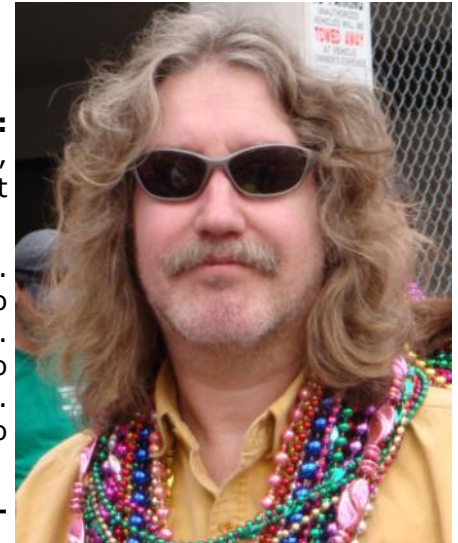
This year we are electing a new Chair of DNB. See below for candidate statements, and don't forget to vote in May!

#### **Jim H. Belanger**

**Current Position:** Associate Professor, Dept of Biology, West Virginia University

**Education:** B.Sc. University of Toronto (Zoology), 1984; M.Sc. University of Toronto (Zoology), 1986; Ph.D. University of Toronto (Neuroscience), 1992

**Professional Experience:** Natural Sciences and Engineering Research Council of Canada Postdoctoral Fellow, ARLDN University of Arizona, 1992-1997; Grass Fellow, Marine Biological Laboratories, 1993; MBL Associates Fellow, Marine Biological Labora-





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ories, 1996; Postdoctoral Fellow, Dept Biology Tufts University 1997-2000; National Academy of Sciences Summer Institute on Undergraduate Education in Biology, 2009

**SICB Activities:** Member since 2004

**Other Memberships:** International Society for Neuroethology; Society for Neuroscience

**Research Interests:** Neuroethology (particularly motor control), comparative physiology, adaptive behavior.

**Goals Statement:** The neurobiologists within SICB face a dilemma every year: Do I go to the Society for Neuroscience meeting (*all* of the hardcore neuroscience that was done in the last year), do I go to the Neuroethology Congress or the Neuroethology Gordon Conference (highly focused on the physiological basis of behavior), and/or do I go to SICB (biomechanics and tons of cool stories about the things animals *do*)? If you belong to SICB, it's because you do your neuroscience with a strong organismal focus, and so all of the meetings are attractive, but it's hard to go to all of them. But this is really an embarrassment of riches. One of my goals as chair will be to sell our society (and especially our annual meeting) to the regular attendees of those other meetings. By highlighting our strengths - an explicit focus on genuinely integrative and comparative biology, an astonishing diversity of experimental systems, an exceptionally friendly yet rigorous venue for undergraduate and graduate presentations, and, yes, the fact that our meeting is always much less expensive to attend - I believe we can turn a significant number of researchers who now only go to Neuroscience into "semi-regulars". Recruiting them to participate in interdivisional symposia will be an outstanding way to show them our strengths, and enhance the neurobiology content of the meeting. Finally, as a National Academy of Sciences Education Fellow, teaching is extremely important to me. SICB has created

an excellent education resource with the Digital Archive, and I will insure that neurobiology has a much stronger presence on the site.

**Paul A. Moore**

**Current Position:** Professor of Biological Sciences, Bowling Green State University

**Education:** B.S., University of Michigan, 1986, Ph.D.; Boston University, 1991

**Professional Experience:** Director, J.P. Scott Center for Neuroscience, Mind & Behavior, Bowling Green State University, 2000-2002; Full Professor, Biology Department, Bowling Green State University, 2002 - Present; Associate Professor, Biology Department, Bowling Green State University, 1999 - 2002; Assistant Professor, Director of Marine Program, Biology Department, Bowling Green State University, 1994 - 1999; Research Associate, Dr. Bruce Bryant, Monell Chemical Senses Center, 1992 - 1994; Post-Doctoral Fellow, Dr. Greg Gerhardt, University of Colorado Health Science Center, 1990 - 1992

**Other Memberships:** AChemS; ASLO; Animal Behaviour

**Research Interests:** Neural Basis of Aggression and Chemically Mediated Behaviors in aquatic crustaceans





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**Goals Statement:** SICB is an organization where scientists with broad interests can meet and exchange ideas and where undergraduate and graduate students are encouraged to present. I have always appreciated the broad and welcoming nature of these meetings and would like to continue that aspect of the meetings. Within that concept is collaborating across divisions within SICB. What is unique about the Division of Neurobiology is our connections to other areas of SICB and I would like those connections to continue.