

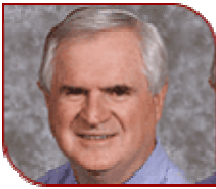


Teaching of Physiology Section

Newsletter, Fall 2008.

Editor: Jonathan Kibble.

1. Message from the Chair



As some of us face with dread the winter months before us, perhaps we can anticipate the excitement of spring and EB2009! It seems to me that the plans for the Teaching Section Feature Topic, "Teaching with Technology" is exactly where we as teachers should be. One of the greatest challenges for teachers today is providing innovative and effective ways to help today's technologically savvy learners gain and use knowledge. Last spring I was reminded how different today's students are by my own son.

One evening I walked into the living room where my son, a senior in high school, was sitting in front of the television. He had an earphone to his Ipod in one ear, his laptop computer in his lap and his cell phone sitting beside him. As I moved closer I could hear that he was listening to music on the Ipod and simultaneously watching and perhaps listening to a television program. I could also see that he was text messaging on his cell phone, instant messaging on the computer and following a play-by-play of his favorite major league baseball team displayed on the upper right-hand corner of the computer screen. I, playing my role as a parent, ask him if he shouldn't be doing his homework? His reply was that he was indeed "writing an English paper!"

No, this wasn't coming from a kid who was having academic trouble in school but from a guy who had achieved better than a 4.0 GPA in an academically challenging high school and who has now matriculated at Stanford University! The point of this story is not to brag on my son, although I am proud of him, but to point out how different students and their environments are compared to when most of us were students! They commonly multi-task and are continuously bombarded with information whereas, I at least, studied in a quiet room with my book and my notes. Furthermore, I was engrossed with the few color plates in a textbook, while today's students consider video clips and animations as routine. What a difference!

What does this mean for us as teachers who are sometimes more comfortable with a piece of chalk in our hand than with pasting video into our PowerPoint presentations, never mind using "clickers" effectively in a lecture. I think the session being planned for EB should help us understand how we should be addressing these issues.

Once we have addressed the issues of how we connect technologically with our students perhaps we can then begin to address the issues of what we teach! I hope all of you will plan to attend EB2009 in New Orleans and participate in the Teaching Section activities. This year's program should be especially useful!

Bill Galey, Section Chair

2. Experimental Biology 2009, April 18-22, New Orleans (www.eb2009.org)



- November 5, 2008: abstract submission (**+deadline for our section's New Investigator & Research Recognition Awards**)
- February 9, 2009: early registration
- March 10, 2009: hotel reservations

Teaching Section Program Outline

1. **The Refresher Course** (April 18). Renal Physiology Robert W. Brock and Robert L. Hester
2. **Section Steering Committee Meeting** (April 18)
3. **Roundtable Box Luncheon** (April 19)
4. **The Bernard Lecture** (April 19). Dr Stephen DiCarlo
5. **Featured Topic** (April 19). *Teaching with Technology* (Dee Silverthorn).
6. **Symposium** (April 20). *Writing the test question is not enough!* (Vikki McCleary and Katherine Sukalski)
7. **Section Business Meeting** (April 20)
8. **Section Dinner** (April 20)
9. **Cross Society Symposium** (April 21) *Life Science Education in the 21st Century: Making the Science We Teach Reflect the Science We Practice* (Dee Silverthorn & Lynelle Golden)
10. **Special Poster Session: Innovations in Teaching Renal Physiology**
11. **Teaching posters** will be presented as part of the cross-society session: *Teaching and Testing in the Biological and Biomedical Sciences*. Posters will be displayed from April 19-21

Lynelle Golden, Program Officer

Apply for Teaching Section awards!

The Arthur C. Guyton Educator of the Year Award sponsored by the W. B. Saunders Company [Elsevier] (\$1,000 cash prize, complimentary registration to Experimental Biology 2009, a framed, inscribed certificate, and up to \$750 in travel reimbursement to the Experimental Biology meeting) recognizes a full-time faculty member of an accredited college or university and member of the APS who has independent evidence of: (1) excellence in classroom teaching over a number of years at the undergraduate, graduate, or professional levels; (2) commitment to the improvement of physiology teaching within the candidate's own institution; and (3) contributions to physiology education at the local community, national or international levels. The awardee is requested to write an essay on his/her philosophy of education for publication in *The Physiologist*.

The typical nominee will have shown excellence in teaching and have made significant contributions in student advisement, graduate education, and/or curriculum design and reform at their institution. The activities that distinguish a candidate in the rankings include outreach activities at the state, national, or international level; contributions to education through APS activities; peer-reviewed educational journal articles; and widely disseminated publications such as commercially produced textbooks, lab manuals, or software.

Nominations Process: Each nominee must be nominated by a member of APS. The nominator should send a letter of support outlining the qualifications of the nominee to:
Jennifer A. Lundmark, Chair, Guyton Awards Selection Committee
lundmark@csus.edu

DEADLINE for nominations: Monday, December 1, 2008

Candidate finalists will be selected in mid-December and will be asked to submit a portfolio that includes the candidate's curriculum vitae; statement of teaching philosophy and achievements; summaries of student evaluations, teaching honors and awards; and evidence of education-related activities outside the classroom. Letters of support from colleagues and, if desired, students of the candidate may also be submitted. Candidate finalist materials will be collected online by the deadline of Friday, January 16, 2009.

Previous Awardees

2008 Penny Hansen
2007 Jeffrey L. Osborne
2006 Daniel R. Richardson
2005 Robert W. Gore
2004 Robert G. Carroll
2003 George A. Ordway
2002 John West

The Teaching of Physiology Section New Investigator Award (\$1,000 and reimbursement of the annual meeting advance registration fee) recognizes an outstanding investigator in the early stages of his/her career. Candidates should be investigators who have made meritorious contributions to the scientific areas represented by the APS Teaching of Physiology Section. They should not be above the rank of Assistant Professor or a comparable position in a research or teaching track at an academic institution or in industry (e.g. Lecturer, Sr. Lecturer, Scientist, Sr. Scientist, Research Investigator, etc.). They should receive nominations from at least two regular members of the APS. Candidates will be judged on their publications, how the publications relate to the Teaching of Physiology Section and evidence for independence and promise (e.g., grant funding, peer review activities, etc.). Although this is not an abstract-based award, awardees are expected to attend EB and make an oral or poster presentation. The candidate must be an APS member in good standing. Candidates must provide a curriculum vitae, 2 nomination letters from APS members, and 3 reprints. All application materials must be submitted online (www.the-aps.org/awardapps) by **November 5, 2008**. Questions should be directed to Jonathan Kibble at: jonathan.kibble@med.mun.ca

The **Teaching of Physiology Section Research Recognition Awards** (\$500 and reimbursement of the annual meeting advance registration fee) will provide two travel awards for outstanding posters presented in the Teaching Poster Sessions at Experimental Biology. To qualify for this award, the applicant must be first author on the poster, age 40 or under, or within 10 years of receiving the Ph.D. or M.D. Applicants must also be APS regular, affiliate, or student members. Abstracts will be reviewed and rated by the Teaching Section Steering Committee. All poster abstracts must be formally submitted to EB by the abstract deadline. Applicants must provide a copy of the abstract submission. Awardees are recognized at the Teaching of Physiology Section Business Meeting at the EB meeting. All application materials must be submitted online (www.the-aps.org/awardapps) by **November 5, 2008**. Questions should be directed to Jonathan Kibble at: jonathan.kibble@med.mun.ca

More EB09 Events: A Liaison with Industry Committee Message

The Liaison with Industry Committee (LWIC) is committed to fostering interactions between the APS and industry. Below are some LWIC-sponsored events for Experimental Biology 2009 that Teaching Physiology Section members won't want to miss!

Symposia 2009: The LWIC is continuing its tradition of sponsoring high quality symposia relevant to industry and academic scientists. The annual LWIC Symposium at EB '09 is entitled "Molecular Imaging of Physiological Processes in Drug Discovery". The symposium will highlight recent advances in the field of In Vivo molecular imaging of disease processes, biomarkers, and novel therapeutic targets and has commitments from Dr. William Strauss, M.D. (Memorial Sloan-Kettering Cancer Center), Dr. Adriana Maggi, Ph.D. (University of Milan), Dr. Paul Acton, Ph.D. (Johnson & Johnson Pharmaceuticals), and Dr. Farouc A. Jaffer, M.D., Ph.D. (Harvard Medical School).

The committee has also successfully competed for the EB '09 Translational Physiology symposium; it is entitled "Fibrosis: Signaling, Physiology, and Therapies". The symposium will discuss recent advances in the field of pathological fibrosis and potential therapeutic approaches to its treatment. Speakers for the Translational Physiology Symposium include Dr. Scott L. Friedman, M.D. (Mount Sinai School of Medicine), Dr. Eric G. Neilson, M.D. (Vanderbilt University School of Medicine), Dr. Scott Lonning, DVM, Ph.D. (Genzyme), and Dr. Kevin K. Brown, M.D. (National Jewish Medical and Research Center).

Novel Disease Model Award: A reminder that abstract submissions to EB '09 are NOT that far away! The Novel Disease Model Award, sponsored by the LWIC and the APS, recognizes one graduate student (\$500) and one postdoctoral fellow (\$800) who submit the **best abstract** describing a disease model that is novel or has significant potential to be applied to the drug discovery process. The application for the award can be found on by visiting the APS website and following the "Section Awards" link ("Physiologists In Industry") from the EB'09 page, or by clicking on the "Committees" tab on the APS homepage and going to the LWIC page.

Cheryl Watson, LWIC Representative

3. APS Committee Service



To become involved in the APS – and to have an influence – consider running for service on an APS committee. As a committee member, you would both represent the Teaching Section on the committee and serve on the Teaching Section's steering committee. You can read about the society's committees by going to the APS web site <http://www.the-aps.org/> and clicking on Committees/Committees Overview. The responsibilities of the members of each committee are described in this section. Click on the link to "Nomination Form" to see the number of vacancies on each committee beginning in 2010. Committee members typically serve three-year terms, beginning on January 1.

It is in the Teaching Section's best interest to be represented by its members on as many committees as possible. Therefore, although you may be interested in serving on the Education Committee, for example, think about other equally important committees in the society, such as Public Affairs, Awards, or Career Opportunities.

There are two easy steps to take to be considered for committee membership – nominate yourself and ask an APS colleague, an APS section chair, or your department chair to endorse your nomination. When you click on the link to “Nomination Form,” scroll to the bottom of the page and download the “Candidate Form” (the form you use to nominate yourself) and the “Endorsement Form” (to give to the person who will endorse your nomination). The forms should be submitted by email to: nominations@the-aps.org The deadline for nominations and endorsements is January 16, 2009. Please note that no more than one endorsement is accepted.

At the April 2009 meeting in New Orleans, the APS Committee on Committees will select the slate of candidates for committee appointments and submit it to Council. The members of Council will approve the appointments and notify candidates of their appointments to committees in the late spring or early summer.

So, get involved and bring new ideas and energies to the society!

Margaret Anderson, Committee on Committees Representative

3. Section Business

At the 2008 Business Meeting:

The Section welcomed Bill Galey (Howard Hughes Medical Institute) as its new Chair and Mary Anne Rokitka (University at Buffalo) as the new Liaison to the Education Committee; Jennifer Lundmark (California State University) is the next Chair of the Arthur C. Guyton Award Selection Committee.

The following changes to our SOP were approved:

- The Trainee Advisory Committee Representative (Katherine Semsar, University of Colorado) and an International Representative (Ian Kay, Manchester Metropolitan University, UK) to be included as formally appointed officers of the Steering Committee
- APS Councilors who are Section members (Dee Silverthorn, University of Texas at Austin; Barb Goodman, Univ South Dakota Sch Med) to be included as *ex-officio* Steering Committee members
- References to tertiary members to be removed
- Secondary and affiliate members to be eligible for Steering Committee membership. The Section Chair and all members of the Nominations Committee to be formed from primary Section members only.

November is Election Month (...for the Teaching Section too!)

You will receive the link to our online voting system by email from the Teaching Section's Listserv (visit the APS Members at <http://www.the-aps.org/> to subscribe). The candidates for the Treasurer/Events Coordinator are Van Doze (University of North Carolina) and David Rodenbaugh (Minnesota State University); and for the Programming Officer are Beatriz Ramirez (Univ. of Santiago de Chile), Lynelle Golden (Bastyr Uni) and Daniel Lemmons (City University of New York).

Please send comments or suggestions for the Newsletter to: jonathan.kibble@med.mun.ca