

Cell and Molecular Physiology Section Spring 2006 Newsletter

Message from the Chair

The Cell and Molecular Physiology (CAMP) Section and I look forward to seeing you at the 2006 Experimental Biology San Francisco which runs from April 1-5. The Physiology in Focus theme is "From Molecules to Organisms: Approaches to Systems and Integrative Physiology". The range of symposia, and featured topics at EB06 is truly impressive. I personally want to extend my thanks to Program Advisors Ron Lynch and John Payne for their efforts in putting together a great program. Many of the symposia and feature topics that might be of interest to CaMP members will be described later in this newsletter.

The Hugh Davson Distinguished Lecture will be given by Michael Welsh Monday April 3 at 9:00-10:00 AM in the Moscone Convention Center, Room 104. The title of his lecture is "Pursuing Cystic Fibrosis". Mike's talk will appeal to a wide audience and will continue the excellence of past lectures.

Our Cell and Molecular Physiology dinner will be held Monday April 3 (see details later in the Newsletter). In addition to having a good meal (\$25 for members and \$12.50 post-docs and students, it is heavily subsidized by the CAMP section), networking with colleagues and meeting with Mike Welsh, we will have our annual CAMP business meeting and awards ceremony. If you have comments or suggests for the CAMP section come to the dinner and let us know at the business meeting. Please come and show your support for the undergraduate, graduate student and postdoctoral poster award winners.

I hope to see all of you at the meeting and banquet this year.

Simon A. Lewis
Chair, APS Cell and Molecular Physiology Section.

Steering Committee

Chair:
Simon Lewis

Vice-Chair:
Eric Delpire

Councillors:
Ana Pajor
Scott O'Grady
Peter Lauf

**Joint Program
Committee
Representatives**
John Payne
Chris Lytle

Liaison with Industry:
Charzad Montrose

Post-Doctoral Rep:
Perry Chang



EXPERIMENTAL BIOLOGY 2006

The Cell and Molecular Physiology Section will be sponsoring 2 symposia and 3 featured topic sessions at the upcoming Experimental Biology meeting to be held April 1-5, 2006 in San Francisco, California. In addition to these symposia and featured topic sessions, the CAMP Section will sponsor the Davson Lectureship to be presented by Dr. Michael Welsh from the University of Iowa, College of Medicine.

The titles of the CAMP Section sponsored events and their scheduled times are as follows:

<u>Davson Lecture</u>	<u>Program Date</u>	<u>Speaker</u>
"Pursuing cystic fibrosis"	Monday, 9:00-10:00am April 3, 2006	Michael Welsh
		<u>Chair</u>
<u>Symposia</u>		
"New Insights into ammonia transport"	Sunday, 8:00-10:00am April 2, 2006	I. David Weiner Connie Westhoff
"Endothelial permeability: paracellular pathway vs. transcellular pathway"	Monday, 3:15-5:15pm April 3, 2006	Sarah Yuan Jerry Breslin
<u>Featured Topics</u>		
"Fibroblasts and myofibroblasts: function and tissue repair"	Tuesday, 8:00-10:00am April 4, 2006	Paul Insel
"Physiology of fibroblast growth factors"	Wednesday, 10:30-12:30pm April 5, 2006	James Hoying
"Subcellular organization of second messenger signaling"	Wednesday, 10:30-12:30pm April 5, 2006	Troy Stevens

PLEASE NOTE: If you would like to organize a CAMP Section sponsored symposium or featured topics session at the Experimental Biology 2007 meeting, please obtain forms from the APS website at <http://www.the-aps.org/meetings/eb.htm> and contact John A. Payne (japayne@ucdavis.edu) or Chris Lytle (christian.lytle@ucr.edu) for more information.

John Payne and Chris Lytle , Joint Program Committee Representatives

From the APS Liaison With Industry Committee (LWIC)

The APS LWIC is sponsoring a Symposium at EB2006 entitled "Advances in Ion Channel Physiology" on Sunday, April 2 from 10:30 AM – 12:30 PM in the Convention Center, Room 274/276. This symposium will highlight the development and use of novel technologies, and describe the ways in which these approaches are advancing our understanding of ion channel function and transforming the treatment of a variety of diseases. Look for the full program on-line at www.the-aps.org/meetings/eb06/abs/lwic-martin.htm.

The Novel Disease Model Award will be granted to a graduate student and a postdoctoral fellow who submit the best abstracts at EB2006 that describe a novel disease model. The model can be *in vitro* or *in vivo* but should clearly emphasize the potential utility of the system for future research related to a disease. The award is \$500 for the graduate student and \$800 for the postdoctoral fellow and is sponsored by the LWIC.

You're invited! Come meet and eat with your fellow physiologists who are working in the corporate sector. The 6th Annual Liaison With Industry Committee Mixer at EB2006 is on Sunday, April 2, 5:45-7:15 PM in room Pacific A of the Marriot Hotel.

Chahrzad Montrose-Rafizadeh
Section representative

MESSAGES FROM THE TRAINEE REPRESENTATIVE

Trainee Web Page and Email Newsletter

The new APS Trainee Advisory Committee (TAC) web site is going live in December, 2005 (<http://www.the-aps.org/committees/trainee/>). The Committee is working on developing the TAC page to include more links to relevant resources on the APS web site as well as elsewhere. We are discussing posting trainee relevant articles in the website and setting up a "blog" for general discussion. Announcements of the new material can be sent out via the trainee listserv. Messages are sent out on a monthly basis by APS Education Office staff and include relevant APS and other news, notice of award opportunities, and postdoctoral position openings. Hamblin and Stocker work with APS staff to develop the content, ensure the newsletter comes out on a monthly basis, and provide content relevant to the Committee charge. Please sign up for the Trainee Newsletters to make sure you don't miss out on any future news (<http://www.the-aps.org/committees/trainee/Traineenewsletter.htm>).

[The Sigma Xi Postdoc Survey - Doctors Without Orders](#)

A summary of national highlights from the Sigma Xi Postdoc Survey, based on information provided by 7,600 postdoctoral scientists at 46 American research institutions, appear in a special 16-page insert called "Doctors Without Orders" in the May-June issue of *American Scientist*, the magazine of Sigma Xi, The Scientific Research Society. Among highlights from the survey: The median salary for postdocs in the study was \$38,000, up 10 percent (in inflation-adjusted dollars) from 1995. A majority (54 percent) of postdocs are non-U.S. citizens on temporary visas. Most (79 percent) of these international postdocs earned their Ph.D.s outside the United States. Postdocs on temporary visas earned on average approximately \$2,000 less than their U.S. citizen counterparts, even after controlling for institution, field of research and funding mechanism. Among other findings, postdocs who reported having the greatest amount of structured administrative oversight and formal training were much more likely to say they were satisfied with their experience and to be more productive. "The postdoctoral experience appears to be at its best when the rules are well defined and spelled out in advance," said Geoff Davis, Sigma Xi Visiting Scholar and principal investigator for the survey. The full article can be accessed at <http://postdoc.sigmaxi.org/results>. An useful tool called **Individual Development Plan** (IDP) is discussed in the meeting to help "postdoctoral experience" become more constructive <http://www.faseb.org/opa/ppp/educ/idp.html>.

TAC Trainee Survey

The TAC conducted a Trainee Survey with the help of the APS staff. A total of 224 people completed the survey. Graduate students composed 38% of the respondents, postdoctoral fellows 33%. I would like to thank everyone who participates in the trainee survey. The survey was viewed as being very successful for the Committee in verifying the main issues faced by trainees and holds promise for future feedback and suggestions from the APS trainees. The results of the survey can be viewed at <http://www.the-aps.org/committees/trainee/05report.htm>

Trainee Advisory Committee Symposium, Experimental Biology 2006

With a growing number of quickly developing postdoctoral fellows ready to enter the academic job market, the transition from a postdoc to a Jr. faculty position may be the most critical stage for trainees, especially with the incessant ticking of the tenure clock ringing in the ears of a newly appointed Jr. faculty member. This session that will address a few critical issues associated with that transition period, such as negotiating a contract (including salary and start-up funding), setting up a lab and prioritizing time.

Transition from Postdoc to Jr. Faculty: Surviving the Initial Years

Organizer: Rudy M. Ortiz, Ph.D. and Ryan W. Bavis, Ph.D.

Tuesday, April 4, 2006

8:00-10:00 AM

Convention Center, Room 132

The session will include oral presentations by invited speakers at different stages in their careers followed by a round-table discussion led by the speakers.

Presentations:

Negotiating a faculty position. The do's and don'ts
L. Gabriel Navar, Tulane University Health Science Center

Setting up the lab
Karie Scrogin, Loyola University Medical Center

Down the road to funding: getting that first grant
Ann Schreihofner, Medical College of Georgia

Juggling the responsibilities of a young P.I.: Insights from personal experience
Sean Stocker, University of Kentucky

The Trainee Advisory Committee will sponsor a symposium each year at the Experimental Biology meeting, beginning in 2006. Since one of the duties of the TAC is to investigate the needs of trainees, both pre-doctoral and post-doctoral, to determine how the Society can provide necessary support and assistance. We are open to and welcome suggestions for future topics that concerning trainee issues. The TAC works with the Women in Physiology and Career Opportunities in Physiology Committees, as both those Committees would like to plan complimentary sessions and make sure the three sessions do not overlap in content.

Trainee-relevant sessions see also:

[Career Symposium: Navigating the Interview: How to Make It Work for You](#)

Organizers: **Nansie A. McHugh, Ph.D. and William R. Galey, Ph.D.**

Date: Monday, April 3, 5:45-7:45 PM

Location: Convention Center, Rm. 252/260

Presentations:

Interviewing in Industry vs. Academia
Richard E. Klabunde, Ohio Univ. College of Osteopathic Medicine

That First Faculty Position Interview: Preparation and Etiquette!
Donna H. Korzick, Pennsylvania State Univ.

Interviewing for the Pharmaceutical Industry: What Does It Involve and How to Succeed?
David P. Brooks, GlaxoSmithKline Pharmaceuticals

I Survived the Academic Interview
Daniel E. Michele, Univ. of Michigan

Women in Physiology/Pharmacology Mentoring Workshop: [Mastering the Juggling Act: Laboratory, Life, and Leadership Roles](#)

Organizers: **Ann Schreihofner and Deborah Damon (APS) and Laura Nisenbaum (ASPET)**

Date: Monday, April 3, 2006, 8:00-10:00 AM

Location: Convention Center, Room 130

Presentations:

Juggling Research-Related Duties: How to Stop Putting Out Fires and Use Your Time Wisely
Ida Llewellyn-Smith, Flinders University, Australia

Juggling Research With Service and Teaching Duties: How Much, What Kind, and When
Lynn Wecker, University of South Florida

Juggling for the Dual-Career Couple: Strategies for Maximum Job Satisfaction
Marilyn Cipolla, University of Vermont

Juggling Job and Family: Balancing Home Life and Careers
Susan Steinberg, Columbia University

TAC Fall Meeting

The TAC held a 1.5-day fall meeting last year in November. This meeting allowed Committee members to accomplish much more than they would have been able to do in a conference call. The meeting allowed the Committee to develop a recommendation for Council on student membership dues (subsequently approved by Council), finalize the trainee survey, begin planning for a symposium at EB 2007, discuss the trainee newsletter and web site, receive a detailed report on the NPA, and have a general discussion of issues facing trainees today. Angela J. Grippo has been selected to serve as the Chair of the TAC from 2006. The TAC would like to hold another fall meeting in 2006 to continue its work on a number of important fronts.

Other information:

YOUNG EXPERIMENTAL SCIENTISTS (Y.E.S. MIXER--Relax, network, eat, drink, dance I)
Monday, April 3, 9:00 PM - 11:30 PM, Argent Hotel, Metropolitan Ballroom

Min-Hwang (Perry) Chang, Research Associate

MESSAGES FROM THE *AJP:Cell* EDITOR

Dear Cell and Molecular Physiology Members,

Happy New Year to all of you from myself and the AJP Cell Associate Editors.

The past year has seen more successful growth of AJP Cell Physiology, with a record number of submissions in 2005. Over the past 2 years we have seen a 10% increase in manuscript submissions and most importantly, an increase in the quality of the manuscripts that have been published. There are a few items of news that I would like to bring to your attention as we start the New Year.

1. Last Fall we welcomed a new Associate Editor, John Geibel, and we said goodbye to Kevin Strange who had served the journal for almost 6 years under myself and Kim Barrett. I would like to thank Kevin for his tireless attention to improving the journal during his tenure, and for his own contributions to the journal in the form of original articles and reviews. He will remain on the editorial board and I am sure he will continue to provide excellent insight as a reviewer.

Our new colleague, John Geibel, is in the Dept. of Surgery at Yale University. His expertise is in the areas of hormones, intracellular ion activity, ionic transport, pH regulation, H-ATPase, H-K-ATPase, Na-H exchange, microscopy, atomic force microscopy, confocal microscopy, video imaging, angiotensin, calcium sensing receptor, gastric glands, colonic crypts. His broad interest in ion transport regulation

and cell signaling makes him an outstanding resource as an Associate Editor for AJP Cell.

2. A new call for papers on the Systems Biology of the Mitochondrion has just been posted on the AJP Cell Physiology website (<http://ajpcell.physiology.org>) and on the main APS website (www.the-aps.org). The original manuscripts and reviews received under this call will be published together in a special edition of the journal in the Fall of 2006. Dan Beard (Dept. Physiology, Medical College of Wisconsin) and Marko Vendelin (Fourier Univ, Grenoble, France) will be the guest editors of this special issue. The full text of the announcement can be found on the AJP Cell Physiology website – the deadline for submissions is May 1, 2006.
3. A new category of article called “Perspectives in Cell Physiology” was also launched in 2005. These are short review-type articles (about 1500 words) that should present original ideas derived from our current knowledge base. The full text of the concept can again be found by linking through the ajpcell.physiology.org website.
4. The “Methods in Cell Physiology” call for papers has been so successful that this is now being incorporated as a permanent feature of the journal, along with the other subject categories that appear on the contents page.

In addition to these announcements, I would like to urge all readers of the Cell and Molecular Physiology Newsletter to contribute actively to the life of the journal in the following ways:

- ! Send manuscripts from your laboratory to us for publication. If all readers sent just one manuscript per year, this would substantially increase the impact of the journal and its quality.
- ! Consider writing and submitting a review article based on your expertise – AJP Cell reviews are widely read, and again increase the quality and impact of the journal.
- ! Update your profile in our database. This can be accessed via the apscentral.org website under “edit your information” after you log in using your user name and password. Please make sure the keywords and area of expertise field are filled out appropriately. This will allow the Associate Editors to make more informed decisions when choosing reviewers for manuscripts.
- ! If you should be so lucky to be asked to review a manuscript for AJP Cell Physiology, please try to honor the 2 week turnaround time that is requested. We are all in the same boat as authors and reviewers – you have no right to complain about late reviews of your own manuscripts if you do not act promptly as a reviewer yourself! We are striving to shorten the time taken to reach a first decision on submitting

manuscripts – our extensive customer research tells us that this is a very important statistic for authors as they determine their target journals of preference.

! Don't forget to visit the ajpcell.physiology.org website frequently to check for new announcements and to use the browsing tools to search current and past issues of AJP Cell Physiology. You can also follow the links to check whether your article is among the most read or most cited in AJP Cell Physiology! A reminder that the AJP Legacy collection allows all articles published as far back as 1898 – yes, 1898 – to be searched. Make use of this unique tool and tell your colleagues about it.

That's it for now – thank you for all of your past support of the journal.

With best regards to everyone,

Dennis Brown
Editor-in-Chief
AJP Cell Physiology

2006 Meetings

50th Annual Meeting of the Biophysical Society
February 18-22, Salt Palace Convention Center, Salt Lake City, UT
<http://www.biophysics.org>

Second International Meeting on Physiology and Pharmacology of Temperature Regulation
March 3-6, Phoenix, AZ
<http://www.feverlab.net/meeting/index.htm>

Experimental Biology
April 1-5, San Francisco, CA

American Association of Immunologists
May 12-16, Boston, MA

Membrane Proteins in Health and Disease
May 31-June 4, Niagara-on-the-lake, Ontario, Canada
http://www.csbmcb.ca/e_index.html

APS Intersociety Meeting: Comparative Physiology 2006: Integrating Diversity
October 8-11, Virginia Beach, VA
Abstract Deadline: June 1, 2006

APS Conference: Physiological Genomics and Proteomics of Lung Disease
November 2-5, Fort Lauderdale, FL
Abstract Deadline: July 12, 2006

Society for Neuroscience
October 14-18, Atlanta, GA

Renal Week
November 14-19, San Francisco, CA

CAMP Banquet, **TICKETS MUST BE** purchased at the APS web site.
www.the-aps.org/sections/cell/EB06camps.pdf

Ticket sale will be closed on **March 15** or after sale of 100 tickets!

The Cell and Molecular Physiology *Banquet* will be held on Monday April 3, 2006 at Empress of China, 838 Grant Avenue, San Francisco (telephone: 415-434-1345). Please come and join us for a reception with cash bar (6:30) followed by a Dinner (7:30). The *CAMP* awards will be presented to students and PostDocs during the Dinner!



\$25 for Members and Guests
\$12.5 for Students and PostDocs

Eric Delpire, Vice-Chair