

Cell and Molecular Physiology Section Spring 2005 Newsletter

Message from the Chair

Steering Committee

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Simon Lewis

Vice Chair:

Eric Delpire

Councillors:

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Scott O'Grady
Peter Lauf

**Joint Program
Committee**

Representative
John Payne

Liaison with Industry:

Charzad Montrose

Post-Doctoral Rep:

Perry Chang



The Cell and Molecular Physiology (CAMP) Section and I look forward to seeing you at the 2005 Experimental Biology and the International Union of Physiological Scientists meeting in San Diego at the end of March and beginning of April. The IUPS starts March 31 and ends April 5 while EB05 runs from April 2-6. The IUPS theme is "From Genomes to Functions" is in keeping with the new NIH roadmap and offers all of us a chance to meet and interact with our international colleagues. I encourage all members of the Cell and Molecular Physiology section to attend not only EB05 and the IUPS but also to look at the satellite symposia that precede or follow the meeting. The range of symposia, featured topics of the IUPS meeting, and EB05 and IUPS satellites 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.

The Hugh Davson Distinguished Lecture will be given by Randy Schekman Monday April 4 at 2:00 p.m.. The title of his lecture is "Mechanism of regulation of cargo protein sorting in the secretory pathway". Randy'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 4 (see details later in the Newsletter). In addition to having a good meal (heavily subsidized by the CAMP section), networking with colleagues and meeting with Randy Schekman, 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. To end the evening, our after dinner speaker is Pete Cala, who will discuss his research with a humorous twist.

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

Simon Lewis

From the APS Liaison With Industry Committee (LWIC)

The LWIC is sponsoring a symposium entitled “**Metabolic Syndrome: From Clinical Insights into New Therapies**” at IUPS05 on Monday, April 4 from 3:15-5:15 pm. This workshop will feature presentations on the genetic and physiological insights into metabolic syndrome, i. on the role of PPAR alpha/gamma activation for the treatment of dyslipidemia, ii. insulin resistance in humans and animal models of metabolic syndrome, iii. the discovery and development of Dipeptidyl peptidase IV inhibition for the treatment of obesity and insulin resistance in metabolic disease, and iv. the role of sphingolipids in atherosclerosis and metabolic syndrome. Monday, April 4, 2005 at 3:15 pm to 5:15 pm in room 30 D/E.

The **Novel Disease Model Award** (\$500/graduate student; \$800 postdoctoral fellow) recognizes the graduate student and postdoctoral fellow submitting the best abstracts describing a novel disease model. The model can be cellular or in vivo but should clearly emphasize the potential utility of the system for future research related to a disease process. Applicants must send a copy of the submitted abstract accompanied by the signed and completed Award Certification Form to: Linda Allen, Meetings Department, American Physiological Society, 9650 Rockville Pike, Bethesda, MD 20814-3991; fax: 301-634-7241; email: lallen@the-aps.org.

You're invited! Come meet and eat with your fellow physiologists who are working in the corporate sector. The 5th Annual Liaison With Industry Committee Mixer is on at IUPS05, Sunday April 3rd at 5:30 pm in Marriott, Rancho Las Palmas.

Chahrzad Montrose-Rafizadeh
Section representative

The section thanks Ron Lynch for his service and his excellent job as Program Advisor.

- ▶ Chris Lytle from the University of California, Riverside, is becoming the new *Program Advisor* for the Cell and Molecular Physiology section.

Experimental Biology 2005 - IUPS Congress

The IUPS Congress is being hosted by the American Physiological Society this year at the Experimental Biology Meeting in San Diego, CA. This required some changes in the way that Symposia, Distinguished speakers, Featured Topics, and regular poster sessions were programmed. The typical topic categories used by the different APS Sections were superseded by 15 tracks that focus on various subdisciplines of physiology as defined by the IUPS. Programming for the IUPS 2005 meeting was still performed by the regular Joint Program Committee of the APS. Below we have listed those features of the IUPS Program that were programmed by or associated with the Cell and Molecular Physiology Section. The full IUPS Scientific Program can be viewed online at <http://www.iups2005.org>.

Friday, April 1, 2005

Featured Topic

Acid-Base Transporters

Free Standing

Chaired: Michael Romero

Regular Poster Sessions

Cell Biology

Intracellular Signaling: Ca⁺² and other Second Messengers

Saturday, April 2, 2005

Featured Topic

Transport: PKD, Cilium

Free Standing

Chaired: Stefan Somlo

Monday, April 4, 2005

Controversy

The Mechanism of Action of the Ca⁺² Releasing Messenger NAADP

Calcium Signaling Section

Chaired: Luigia Santella

Featured Topic

Techniques

Calcium Signaling Section

Chaired: Tobias Meyer

Lecture

Hugh Davson Distinguished Lectureship of the APS Cell and Molecular Physiology Section

Speaker: Randy Schekman

Sunday, April 3, 2005

Featured Topic

Amino Acid Transporters

Free Standing

Chaired: Yoshikatsu Kanai

Regular Poster Session

Oxidative Stress

Transporters and Channels

Featured Topic

Regulatory Mechanisms of

Mechanosensory Cells

Mechano-/Chemotransduction Section

Chaired: Akimichi Kaneko

Tuesday, April 5, 2005

Featured Topic

The Role of the Choroid Plexus

Free Standing

Chaired: Peter Brown

Featured Topic

Overview: From Organelles to Organ

Calcium Signaling Section

Chaired: Irene Schultz

Regular Poster Session

Apoptosis and Cell Death

CAMP Banquet, **TICKETS ARE STILL AVAILABLE**

Ticket sale will be closed on **March 25**

The Cell and Molecular Physiology *Banquet* will be held on Monday April 4, 2005 at Casa Guadalajara, 4105 Taylor Street, San Diego (OLD TOWN). Please come and join us for a reception with a *free Margarita* and a cash bar (6:30) followed by a Dinner (7:30). The CAMP awards will be presented to students and PostDocs during the Dinner, and Pete Cala from UC, Davis will be 'entertaining' the audience.

\$30 for Members and Guests

\$15 for Students and PostDocs

Send a check made to **APS Cell & Molecular Physiology Section** and a self-addressed envelop with proper stamp to:

Eric Delpire
Vanderbilt University
T-4202 MCN
1161 21st Avenue South
Nashville, TN 37232-2520



You will receive through the mail a receipt for your payment. **There are no printed tickets**, just sign up as you enter the restaurant.

Eric Delpire

Meetings:

- ▶ The 10th International Proton Transport Conference, cell and Developmental Physiology & Disease, San Diego, CA.
For more information: <http://proton.berkeley.edu/>
- ▶ 2005 Lake Cumberland meeting on *Biological Transport*. Jamestown, KY. June 19-22, 2005
For more information: <http://iupucbio.iupui.edu/cumberland/>
- ▶ Physiology and Pathology of chloride transporters and channels in the nervous system. Soria, Spain. September 19-22, 2005. For more information, contact Javier Alvarez-Leefmans (leefmans@prodigy.net.mx) or Eric Delpire (eric.delpire@vanderbilt.edu) or Gerardo Gamba (gamba@biomedicas.unam.mx).
- ▶ 4th International Cell Volume Regulation Meeting, Copenhagen September 23-28, 2005.
For more information: www.cellvol2005.ku.dk