

**Section On Endocrinology And Metabolism**  
**American Physiological Society Newsletter**  
**Summer 2007**

At the EB 2007 meeting in Washington, DC, the Section made the following awards to faculty, postdoctoral fellows, and graduate students. The recipients of the awards were chosen by the Section Steering Committee and the postdoctoral and graduate student awards were based on the excellence of research presented at the meeting.

**New Investigator Award**

**Kei Sakamoto, Ph.D.**

Ph.D. from Graduate School of Integrated Science (Cell Biology)  
Yokohama City University, Yokohama, Japan  
Group Leader University of Dundee, School of Life Sciences, MRC Protein  
Phosphorylation Unit

**Virendra B. Mahesh Award for Excellences in Endocrinology**

**Edgar Dillon**

Abstract title: Chronic essential amino acid supplementation in the elderly increase basal muscle protein synthesis and S6K1 phosphorylation. Authors: EL Dillon<sup>1</sup>, RJ Urban<sup>1</sup>, SL Casperson<sup>1</sup>, MJ Drummond<sup>2</sup>, BB Rasmussen<sup>2</sup>, M Sheffield-Moore<sup>1</sup>. <sup>1</sup>Internal Medicine, <sup>2</sup>Physical Therapy, University of Texas Medical Branch, Galveston, TX.

**Mead Johnson Research Award in Endocrinology and Metabolism-  
Young Investigator**

**Andrew Shin**

Abstract title: High-fat feeding decreases C-reactive protein (CRP) in rats.  
Authors: AC Shin, S MohanKumar, G Fink, JR Haywood, P MohanKumar.  
Neuroscience, Michigan State University.

**Carol Witzak, Ph.D.**

Abstract title: CaMKK $\alpha$  regulates glucose uptake independent of AMPK and Akt signaling in mouse skeletal muscle. Authors: CA Witzak, M Fujii, MF Hirshman, LJ Goodyear. Joslin Diabetes Center, Boston, MA.

**Endocrinology and metabolism Section Research Recognition Award**

**Michael S. Coelho, Ph.D.**

Abstract title: Is JNK a bridging between the cross-talk of insulin and inflammatory signaling pathway in rats on low salt intake? Effect of losartan on JNK activity and phosphorylation of IRS-1ser307. Authors: MS Coelho<sup>1</sup>, IB Oliveira<sup>1</sup>, PO Prada<sup>2</sup>, MJA Saad<sup>2</sup>, JC Heimann<sup>1</sup>. <sup>1</sup>University of Sao Paulo School of Medicine, Sao Paulo, Brazil; <sup>2</sup>State University of Campinas, Campinas, Brazil.

### **Melanie G. Cree**

Abstract title: Human mitochondrial oxidative capacity is acutely impaired following burn trauma. Authors: MG Cree<sup>1,5</sup>, RY Fram<sup>2,5</sup>, DN Herndon<sup>2,5</sup>, T Qian<sup>4</sup>, C Angel<sup>2</sup>, JM Green<sup>2</sup>, R Micak<sup>5</sup>, A Aarland<sup>3,5</sup>, RR Wolfe<sup>1,2,5</sup>. University of Texas Medical Branch at Galveston, Galveston, TX.

### **Clintoria Richards-Williams**

Abstract title: P2X purinergic receptor channel expression in primary islets and beta-cells. Authors: CL Richards-Williams<sup>1</sup>, N-L Cheng<sup>1</sup>, S Jenkins-Bryant<sup>2</sup>, J Contreras<sup>2</sup>, E Schwiebert<sup>1</sup>. <sup>1</sup>Physiology and Biophysics, <sup>2</sup>Surgery-Transplantation, University of Alabama at Birmingham, Birmingham, AL.

### **Jaime Rosa**

Abstract title: Changes in COX-2 and HSP-70 mRNA following exercise in diabetic and non-diabetic children. Authors: JA Rosa<sup>1,2</sup>, PR Galassetti<sup>1,2</sup>, SR Oliver<sup>2</sup>, AM Pontello<sup>2</sup>, RL Flores<sup>2</sup>, FP Zaldivar<sup>2</sup>, M Mitsuhashi<sup>3</sup>. <sup>1</sup>Department of Pharmacology, University of California, Irvine, CA.

### **EB Meeting for 2008**

The E&M Section will sponsor two symposia and two featured topics, in addition to the Berson Lecture at EB08. The Berson Lecture will be on Monday April 7 at 10:30.

Our first symposium “**The Kidney: Aging, Apoptosis, Endocrine Sensitivity and the Kidney’s Role in Hypertension**” organized by Michael Symonds (University of Nottingham) will be on Sunday, April 6, at 10:30 a.m. Speaking in the symposium will be John Hall (U Mississippi, “Obesity and Kidney Disease”), Robert Lane (U of Utah, “Intrauterine compromise and Impaired Kidney Development – Mechanistic Pathways”), Barbara Alexander (U Mississippi, “Endocrine Pathways in the Regulation of Kidney Function Through the Life Cycle”), and Zhihong Liu (Nanjing U, “Obesity Related Glomerulopathy”).

Our second symposium “**Extra Nuclear Steroid Signaling: Roles in Disease and Physiology**” organized by Rick Samson and Ellis Levin will be on Monday, April 7, at 8:30 a.m. Speaking will be Jim Liao (Harvard, “Thyroid Hormone Rapid Signaling to Prevent Stroke and Other Functions”), Anthony Norman (UC Riverside, “Rapid Signaling by Vitamin D”), Ellis Levin (UC Riverside, “Estrogen Signaling in Vascular Smooth Muscle”), and Stavros Manolagos (U Arkansas, “Estrogen Signaling in Bone”).

The first featured topic session “**Hormones and Angiogenesis**” organized by Rick Samson also will be on Monday at 2:00 p.m. Two formal presentations will be from Carmen Clapp (Autonomous University of Mexico, Juriquilla, speaking on the vasoinhibins) and Luisa Aruela-Arispe (UCLA, speaking on progesterone signaling in vascular smooth muscle).

The final featured topic “**Androgens and the Ageing Male and Female**” organized by Melinda Sheffield-Moore (UT Galveston) will be on Wednesday, April 9 at 8:30 a.m. The two formal presentations will be made by Randall Urban (UT Galveston, title to be announced) and Shalender Bhasin (Boston University, title to be announced).

Those two FT sessions will be identified in the “Call for Abstracts” in order to solicit abstracts submitted for potential inclusion in the FTs.

Contact Rick Samson ([samsonwk@slu.edu](mailto:samsonwk@slu.edu)) or Jim Rose ([jimrose@wfubmc.edu](mailto:jimrose@wfubmc.edu)) if you have recommendations for EM section symposia and featured topics for future EB meetings. Important deadlines for this are below:

Item	Deadline
Proposals (complete information provided) for Cross-Sectional Symposia.	December 1, 2007
Proposals for Symposia and Featured Topics Sessions: Submitted in complete format (with identified speakers, a paragraph summary of the topic, and complete contact addresses of the participants) to Rick Samson. Proposal forms will be made available in December.	February 1, 2008
Voting (selection by the E&M section).	March 1, 2008
Commitments from speakers in the selected sessions.	April 1, 2008

**There may be major changes made before the scheduling begins for EB09 (New Orleans).** Although not final, Council has recommending that each Section give up one of their symposia in exchange for an additional featured topic session. Also Featured Topics sessions will now have only one invited speaker, the remainder of the time saved for abstract driven oral presentations. **Importantly**, these are now supposed to be allocated to students, postdocs, or beginning faculty (invited talks and oral abstracts). There is also pressure being exerted that the symposia speakers include at least 50% young investigators. The information provided by the Joint Program Committee Chairs (Curt Sigmund retiring, Ron Lynch starting this Fall) and Hannah Carey (APS President) is that we need to stop scheduling the same speakers year after year and focus on young speakers. A good example for our section is the fact that John Hall is a regular speaker and many of the symposia speakers for E&M at EB08 are very senior scientists. APS evidently wants to get away from this practice. There is also a push for the inclusion of international speakers (we are doing well this year) and women (again we are doing well for EB08). If these recommendations go through we will have to plan ahead and work hard to solicit topics that can accommodate these changes for EB09

**Current Steering Committee Members:**

**Position**  
Chair

**Name**  
Jim C. Rose, Ph.D. (2010)

Secretary Treasurer  
Joint Program Committee Representative  
Committee on Committees Representative  
Liaison with Industry  
Trainee Advisory Council Representative  
Councilors

Jill A. Bush, Ph.D. (2009)  
Willis K. Samson, Ph.D. (2008)  
Chuck H. Lang, Ph.D. (2008)  
Joshua C. Anthony, Ph.D. (2009)  
Eric D. Berglund (2007)  
Patricia Molina (2010)  
Jeff Schwartz (2010)

Ex Officio AJP: Endocrinology and Metabolism Journal Editor

### **Participation in EB 2008**

Now is the time to begin thinking about participating in the EB 2008 meeting to be held in **San Diego, CA**. This meeting is an excellent venue for postdoctoral fellows and graduate students in your laboratory to present their work. In addition, as you can see from the listing of awards above, there is a very good chance that your fellows or students can receive recognition at the meeting for their research. Please consider submitting abstracts in the Section classification this fall.

### **Professional Skills Training Course-Jan 2008**

Offered in **January 2008** in Orlando, Fla, this course is available to post-doctoral trainees and graduate students during their later graduate tenure to have abstracts and journal articles critiqued. Go to the APS website for more details if you are interested in attending.

### **Election of Officers:**

Please use the link below to submit your nominations for President-Elect and Councillor. Nominations will be accepted until **September 7, 2007**.

President-Elect Nomination / Councillor Nomination Form

<http://www.the-aps.org/cgi-bin/Election/07NominationForm.htm>

We also invite you to submit nominations for the 2009 Bowditch Award Lecture and the 2009 Cannon Award Lecture. The lectures will be presented at EB09 in New Orleans, LA. Award information and nomination forms can be found at the following links:

Bowditch Award

<http://www.the-aps.org/awards/society.htm#Bowditch>

Cannon Award

<http://www.the-aps.org/awards/society.htm#Cannon>

Submitted by Jill A. Bush and Jim Rose