

# Endocrinology and Metabolism Section of the American Physiological Society Newsletter- Fall 2006

## EB07 Program:

The Experimental Biology meeting will be held in 2007 in Washington D.C. from Saturday, April 28th. thru Wednesday May 2nd. The Section has organized two excellent symposia that will provide state-of-the-art information for the membership. The symposia and times of presentation are listed below:

1. Insulin Resistance and the Cardiometabolic Syndrome: Adipose Tissue and Skeletal Muscle Factors  
Chair James R. Sowers, M.D., Co-chair Craig S. Stump, M.D., Ph.D.  
Sunday 4/29/07 3:15-5:15 PM
2. Estrogen and the Cardiovascular System  
Chair Mark C. Chappell, Ph.D., Co-chair Kathryn Sandberg, Ph.D.  
Wednesday 5/2/07 10:30 AM-12:30 PM

The Solomon Berson lecture will be given by Roger Cone, Ph.D. This lecture will be presented on Sunday 4/29/07 at 2:00- 3:00 PM

In addition to the program that was organized by the Section, there are a number of symposia and sessions that will be of interest to members of the Section of Endocrinology and Metabolism. Some of these are listed below:

- Chronic Instrumentation in Conscious Small Animals
- Metabolomic Approaches to Study Cardiovascular Disease Mechanisms and Diagnosis
- Pharmacogenomics of Estrogen and Cardiovascular Disease
- Obesity and the Central Nervous System
- Osmoregulatory Function in Health and Disease
- Circadian Rhythms: From Animals to Humans
- The Impact of Fatty Acids and Glucose on Insulin Resistance Across Species
- Growth Factors, Proliferation and Differentiation in the Gastrointestinal System
- Stem Cells in Physiology and Drug Discovery
- The Power of Comparative Genomics for Understanding Complex Physiological Systems
- Novel Technologies in Physiology and Medicine.  
Forensic Medicine
- Publishing 101: Dos and Don'ts of Publishing in APS Journals
- Sex Steroids in Cardiovascular-Renal Physiology
- Role of Adipose Tissue Macrophages in Obesity-Induced Insulin Resistance

It is worth noting that on Wednesday morning there will be two back-to-back symposia related to the effects of sex steroids on the cardiovascular and renal systems.

Also, there is still time to organize a Featured Topics Session. If you are interested in doing that, please contact Rick Samson at: samsonwk@SLU.EDU This is an excellent opportunity to get an area of interest to you presented at the meeting. The final program will be established at a meeting of the Joint Programming Committee in December.

### **Awards:**

Our section offers several awards for individuals in the early stages of their careers. The details of these awards and the deadlines for applications are described below. Please encourage your colleagues, fellows and students to apply.

The **Virendra B. Mahesh Award of Excellence in Endocrinology** (\$1,000 plus reimbursement of the advance registration fee) is to promote the career development of young investigators pursuing research in the area of Endocrinology. The award will be presented to the graduate student or postdoctoral fellow submitting the best abstract to the Experimental Biology meeting in the area of Endocrinology and Metabolism. The recipient must be first author on an abstract submitted to the Endocrinology & Metabolism Section topic category and be certified by his/her advisor as being eligible for such an award. The recipient will be notified prior to the meeting and award presented at the Endocrinology & Metabolism Section Business Meeting and Awards Reception at the EB meeting. Candidates must upload a copy of the first-authored abstract, and submit a brief (e.g., half page) letter from the mentor describing why the trainee is deserving of the award (upload to the nominations letter field). All application materials must be completed online by November 8, 2006 at: [www.the-aps.org/eforms/awards](http://www.the-aps.org/eforms/awards) <<http://www.the-aps.org/eforms/awards>>. Questions should be directed to James C. Rose email address: [jimrose@wfubmc.edu](mailto:jimrose@wfubmc.edu) <<mailto:jimrose@wfubmc.edu>>.

The **Endocrinology and Metabolism Section New Investigator Award** (\$1,000 plus reimbursement of the 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 area represented by the Endocrinology & Metabolism Section. They should not be above the rank of Assistant Professor or a comparable position in a research track at an academic institution or in industry (e.g. 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 Endocrinology & Metabolism Section and evidence for independence and promise (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 upload: a curriculum vitae, 2 nomination letters from APS members, and 3 reprints. Awardees are recognized at the Endocrinology & Metabolism Section Business Meeting and Awards Reception at EB 2007. All application materials must be completed online by November 8, 2006 at: [www.the-aps.org/eforms/awards](http://www.the-aps.org/eforms/awards) <<http://www.the-aps.org/eforms/awards>>. Questions should be directed to James C. Rose email address: [jimrose@wfubmc.edu](mailto:jimrose@wfubmc.edu) <<mailto:jimrose@wfubmc.edu>>.

The **Mead Johnson Research Award in Endocrinology and Metabolism** (\$500 plus reimbursement of the advance registration fee) is intended to recognize the graduate student, resident or postdoctoral fellow who presents the best abstract for research in the area of Endocrinology and Metabolism at the Experimental Biology Meeting. Applicants must upload a copy of the first-authored abstract and a letter from the sponsor certifying the training status of the applicant using the nomination letter field of the submission form. Awardees are recognized at the Endocrinology & Metabolism Section Business Meeting and Awards Reception at EB 2007. All application materials must be completed online by November 8, 2006 at: [www.the-aps.org/eforms/awards](http://www.the-aps.org/eforms/awards) <<http://www.the-aps.org/eforms/awards>>. Questions should be directed to James C. Rose email address: [jimrose@wfubmc.edu](mailto:jimrose@wfubmc.edu) <<mailto:jimrose@wfubmc.edu>>.

The **Endocrinology & Metabolism Section Research Recognition Award** (\$500 plus reimbursement of the advance registration fee) is presented to up to four graduate students or research fellows whose investigations in endocrinology and metabolism physiology have been designated by the Steering Committee as being examples of meritorious research. Candidates must be first author on a submitted abstract to an APS Endocrinology & Metabolism Section topic category and be certified by his/her advisor as being eligible for such an award. Applicants must upload a copy of the first-authored abstract. Awardees are recognized at the Endocrinology & Metabolism Section Business Meeting and Awards Reception at EB 2007. All application materials must be completed online by November 8, 2006 at: [www.the-aps.org/eforms/awards](http://www.the-aps.org/eforms/awards) <<http://www.the-aps.org/eforms/awards>>. Questions should be directed to James C. Rose email address: [jimrose@wfubmc.edu](mailto:jimrose@wfubmc.edu) <<mailto:jimrose@wfubmc.edu>>.

### **Suggestions for Symposia Topics, Featured Topics and the Solomon Berson Lecture for 2008:**

It is now time to start the planning for EB 2008. Thus, we need suggestions for symposia topics, featured topics and the Solomon Berson lecture. The initial steps in planning for the 2008 meeting will begin in December. Your suggestions for symposia topics and featured topics should be sent to our joint programming committee representative, Dr. Samson at: [samsonwk@SLU.EDU](mailto:samsonwk@SLU.EDU) Nominations for the Solomon Berson lecture should be sent to me at: [jimrose@wfubmc.edu](mailto:jimrose@wfubmc.edu). We look forward to receiving your suggestions for these important opportunities for the Section to highlight research in Endocrinology and Metabolism.

### **News from the Liaison with Industry Committee. Section Representative Josh Anthony, Ph.D.**

The LWIC is sponsoring a Symposium entitled "Stem Cells in Physiology and Drug Discovery" at EB2007 on Sunday, April 29th from 10:30 - 12:30. This symposium will describe latest research on stem cells expansion, use of stem cells in target identification and understanding of signaling pathways, as well as its use in Neurodegeneration diseases. LWIC is also organizing a Translational Symposium entitled "Drug Discovery Efforts for Pain Indications: Ion Channels and GPCRs" at EB2007 on Tuesday, May 1<sup>st</sup> from 8:00 - 10:00 AM. This symposium will describe novel

ion channel and GPCR targets for treating chronic pain. The mechanistic rationale for the target as well as the drug testing strategies to identify novel therapeutics will be discussed.

Look for the full program in the Spring.

The Novel Disease Model Award will be granted to a graduate student and a postdoctoral fellow who submit the best abstracts at EB2007 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. See the call for abstracts this fall for application details and in the Spring newsletter.

You're invited! Come meet and eat with your fellow physiologists who are working in the corporate sector. The 7th Annual Liaison with Industry Committee Mixer is on at EB2007. Look for details in the Spring newsletter.

**Final comments:**

Please consider nominating some of your colleagues for positions of leadership in the American Physiological Society. This is an excellent opportunity to get more representation for investigators working in the area of endocrinology and metabolism in the leadership positions of the APS. The deadline for nominations is September 29th.

Finally, I encourage you to plan on submitting abstracts from your laboratory to EB07 and urging your students, fellows and colleagues to do the same. Doing this will ensure that the meeting will showcase first rate science in endocrinology and metabolism. I look forward to seeing you at the meeting.

Jim Rose, Chair Endocrinology and Metabolism Section