EB 2012

EB 2012 will be held in San Diego, CA April 21-25. The Endocrinology and Metabolism Section will be sponsoring Symposia and Featured Topics at the forefront of endocrinology and metabolism. So please plan to attend and submit your abstracts in the Section’s classifications indicated below. The deadline for abstract submissions is **November 8th, 2011**.

Experimental biology also provides an excellent opportunity for fellows and students to present their research and an important opportunity for them to network with other scientists. To assist in this goal, the section offers a number of awards that provide a financial prize and payment of the meeting registration. Applications for section awards are due Friday **November 8, 2011** (see http://www.the-aps.org/meetings/eb12/awards/endo.htm). Please encourage your colleagues, fellows, and students to apply.

Highlights on the Section program and awards can be found below.

**Berson Lecture**

The Berson Lecturer will be Michael Schwartz, MD, Professor of Medicine, Division of Metabolism and Nutrition, University of Washington. Dr. Schwartz is an internationally recognized expert in physiological mechanisms underlying body weight regulation and the pathogenesis of obesity and diabetes (http://depts.washington.edu/metab/faculty/schwartz.htm). Major questions under investigation in his laboratory include: (1) By what mechanism do circulating signals involved in the regulation of body adiposity, including insulin and leptin, act in the brain? (2) Which specific hypothalamic pathways are sensitive to the actions of insulin and leptin, and what is the cellular basis for these actions? (3) What are the behavioral and metabolic consequences of the actions of insulin and leptin on their hypothalamic targets? (4) What mechanism is responsible for hypothalamic resistance to these hormones in obese individuals? (5) Do neurocircuits involved in food intake also regulate insulin action in peripheral tissues? The Berson Lecture will be held Monday April 23, 2012 at 10:30 a.m. in the Convention Center Ballroom 20A.

**Symposia and Featured Topics**

The E&M Section will sponsor three symposia and two featured topics, in addition to the Berson Lecture at EB2012.
Symposium #1: Endoplasmic Reticulum Stress and Vascular Pathophysiology  
Chairs: Khalid Matrougui and Emily Wilson  
Sunday, April 22, 2012  
3:15-5:15 p.m.  
Convention Center Room 28B

Symposium #2: Novel Roles of the Renin-Angiotensin System in Aging and Other Pathologies  
Chairs: Mark C. Chappell  
Tuesday, April 24, 2012  
10:30 a.m.-12:30 p.m.  
Convention Center Room 23

Symposium #3: Kisspeptin Neurons: Central Mediator of Reproduction and Metabolism  
Chairs: Martin J. Kelly and Willis K. Samson  
Tuesday, April 24, 2012  
3:15-5:15 p.m.  
Convention Center Room 25C

Featured Topic #1: Novel Mechanisms for Improving Mitochondrial Efficiency  
Chair: Stephen J. Crozier  
Monday, April 23, 2012  
8:00-10 a.m.  
Convention Center Room 25A

Featured Topic #2: Effect of Exercise and Nutritional Perturbations on Cumulative Muscle Protein Synthesis  
Chair: Steven E. Riechman  
Tuesday, April 24, 2012  
8:00-10 a.m.  
Convention Center Room 25A

Cross Sectional Symposium (Co-sponsored by E & M Section): Brain Insulin: The Forgotten Metabolic Partner of Leptin?  
Chairs: Virginia L. Brooks and Kamal Rahmouni  
Sunday, April 22, 2012  
8:00-10:00 a.m.  
Convention Center Room 24

Abstract Topic Categories

The deadline for Abstract submission will be November 8, 2011. The topic categories (authors will have to pick one) for abstracts scheduled for presentation by our Section will be:
FEATURED TOPICS:
(NOTE: if selected for inclusion in a featured topic, abstracts will be presented twice: once as a poster and once in the oral session as a 10 minute talk)

1091-APS Mitochondrial Function (linked to Featured Topic 1)
1090-APS Exercise/Nutrition and Muscle Protein Synthesis (linked to Featured Topic 2)

POSTERS:
1092-APS Cardiovascular Endocrinology including Renin-Angiotensin
1101-APS Reproduction and sex hormones
1093-APS Gestation, fetal and neonatal biology including mammary gland and lactation
1097-APS Lipid, lipoprotein and cholesterol metabolism
1098-APS Neuroendocrinology, hypothalamus and pituitary
1099-APS Obesity and satiety
1102-APS Stress and trauma including adrenal gland
1094-APS Growth, connective tissue and bone metabolism
1095-APS Immunoendocrinology
1096-APS Insulin, glucagon and other pancreatic hormones
1100-APS Protein, amino acid and carbohydrate metabolism

The Experimental Biology 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 information above), there are multiple awards to which fellows and students may apply that offer a financial prize and payment of the meeting registration. Please consider submitting abstracts in the Section classification this fall. The deadline for abstract submissions is Tuesday November 8th, 2011.

Section Awards

Applications for all four awards described below can be found at:
http://www.the-aps.org/meetings/eb12/awards/endo.htm

1. 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. Also, the recipient is expected to submit a brief review article in her/his area of research interest to the American Journal of Physiology-Endocrinology and Metabolism for publication within one year of receiving the award. The candidate must be an APS member in good standing with a primary affiliation in the Endocrinology and Metabolism Section.

Candidates must upload: curriculum vitae, 2 nomination letters from APS members, and 3 reprints. Awardees must attend the Experimental Biology meeting to receive the cash prize and are recognized at the Endocrinology & Metabolism Section Business Meeting and Awards Reception, 2012.

All application materials must be completed online by November 8, 2011.

2. 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 [1090-APS to 1102-APS] 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 must attend the Experimental Biology meeting to receive the cash prize and are recognized at the Endocrinology & Metabolism Section Business Meeting and Awards Reception.

All application materials must be completed online by November 8, 2011.

3. 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 submitted to an Endocrinology and Metabolism Section topic category [1090-APS to 1102-APS] and a recommendation letter from the sponsor certifying the training status of the applicant. Awardees are recognized at the Endocrinology & Metabolism Section Business Meeting and Awards Reception at EB 2012.

All application materials must be completed online by November 8, 2011.

4. 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 [1090-APS to 1102-APS] 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) recommendation letter from the mentor describing why the trainee is deserving of the award.

**All application materials must be completed online by November 8, 2011.**

**EB 2012**
It is now time to start the planning for EB 2013. Thus, we need suggestions for symposia topics, featured topics and the Solomon Berson lecturer. The initial steps in planning for the 2013 meeting begin in December and the deadline for receiving suggestions about symposia and featured topics is February 2012. Your suggestions for symposia topics and featured topics should be sent to our joint programming committee representative, Rick Samson at: samsonwk@slu.edu. Nominations for the Solomon A. Berson lecture should be sent to Joshua Anthony (joshua_anthony@campbellsoup.com). We look forward to receiving your suggestions for these important opportunities for the Section to highlight research in Endocrinology and Metabolism.