Endocrinology and Metabolism Section of the
American Physiological Society Newsletter
Fall 2010

**EB 2011**

EB 2011 will be held in Washington D.C. April 9-13. The section is sponsoring several sessions that promise to be at the forefront of endocrinology and metabolism. Please plan to attend and be sure to submit your abstracts in the Section classification. The deadline for abstract submissions is **November 8th, 2010**

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 12, 2010**. 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 Dr. Cristos Mantzoros, M.D, DSc, FACP, FACE Professor of Medicine, Harvard Medical School, Professor in Environmental Health, Harvard School of Public Health. Dr. Mantzoros is an internationally recognized expert on obesity and diabetes. His current research involves the discovery and study adipokines, important in the pathogenesis of diabetes, obesity, and associated disease states, including cardiovascular disease and malignancies. The Mantzoros group was also the first to conclusively demonstrate the role of leptin in regulating the neuroendocrine response to energy deprivation in humans and that administration of leptin corrects neuroendocrine and reproductive abnormalities associated with acute and chronic energy deprivation in humans. The Berson Lecture will be held Monday April 11 at 10:30 a.m. in Room 146A.

**Symposia and Featured Topics**

The E&M Section will sponsor three symposia and two featured topics, in addition to the Berson Lecture at EB2010.

*Symposium #1: How much do we actually know about the function of intracellular signals in the regulation of in vivo protein metabolism and muscle plasticity?*

  **Chairs:** Phillip Atherton and Michael Rennie  
  **Sunday, April 10**  
  **3:15 p.m. Room 145B**

*Symposium #2: Oxidants, Immunity, Beta Cells and Diabetes*

  **Chairs:** John Corbett and Clayton Matthews  
  **Tuesday, April 12**  
  **10:30 a.m. Room 146B**
Symposium #3: Sex difference contributions to the developmental origins of health and disease.

Chairs: Mark Nijland and Jeffrey Gilbert
Tuesday, April 12
3:15 p.m. Room 145B

Featured Topic #1: Brain – Gut Interactions
Chair: Willis Samson
Monday April 11
8:00 a.m. Room 154A

Featured Topic #2: Brain – Adipocyte Interactions
Chair: Gina Yosten
Tuesday April 12
8:00 a.m. Room 154A

Abstract Topic Categories

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)
1091-APS  Brain-adipocyte interactions (Yosten)
1092-APS  Brain-gut interactions (Samson)

POSTERS:
1093-APS  Cardiovascular endocrinology, including renin-angiotensin-aldosterone
1094-APS  Connective tissue and bone metabolism
1095-APS  Gestational, fetal, and neonatal biology, including mammary gland and lactation
1096-APS  Growth, growth hormone, IGF, and thyroid
1097-APS  Immunoendocrinology
1098-APS  Insulin, glucagon and other pancreatic hormones
1099-APS  Lipid, lipoprotein and cholesterol metabolism
1100-APS  Neuroendocrinology, hypothalamus and pituitary
1101-APS  Obesity and satiety
1102-APS  Protein, amino acid and carbohydrate metabolism
1103-APS  Reproduction and sex hormones
1104-APS  Stress and trauma including adrenal gland

Section Awards

New Investigator Award. 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.

All application materials must be completed online by November 12, 2010.

**Virendra B. Mahesh Award of Excellence in Endocrinology.** 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 (1091-APS through 1104-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 12, 2010.

**Mead Johnson Research Award in Endocrinology and Metabolism.** 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 (1091-APS through 1104-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 2011.

All application materials must be completed online by November 12, 2010.

**Endocrinology & Metabolism Section Research Recognition Award.** The 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 (1091-APS through 1104-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 12, 2010.

**EB 2012**

It is now time to start the planning for EB 2012. Thus, we need suggestions for symposia topics, featured topics and the Solomon Berson lecturer. The initial steps in planning for the 2012 meeting begin in December and the deadline for receiving suggestions about symposia and featured topics is February 2011. 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 Jim Rose (jimrose@wfubmc.edu). We look forward to receiving your suggestions for these important opportunities for the Section to highlight research in Endocrinology and Metabolism.

**Section Chair**

We are still looking for someone to serve as Section Chair. If you are interested in serving or in making a nomination please contact Jim Rose (jimrose@wfubmc.edu). It is an excellent opportunity to become more involved in the Society and to help shape it and the Section in the future. Please consider participating.

**Committee Participation**

The Section has opportunities for members to serve on various committees in the APS. If you are interested please contact Mark Chappell (mchappel@wfubmc.edu) our Committee on Committees representative. This is an excellent way to serve the Section and the Society and to work with your peers from other institutions.