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, 2014.

All application materials must be completed online by November 13, 2013.
http://www.the-aps.org/mm/awards/sections/endo-metabol

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 [to be determined] 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 at EB 2014.

All application materials must be completed online by November 13, 2013.
http://www.the-aps.org/mm/awards/sections/endo-metabol

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 [to be determined] 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 2014.
All application materials must be completed online by November 13, 2013.
http://www.the-aps.org/mm/awards/sections/endo-metabol

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 [1115-APS through 1128-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 EB 2014.

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 13, 2013.
http://www.the-aps.org/mm/awards/sections/endo-metabol

5) As of 2014, the E-M section has added a new award which will be called APS Campbell Awards in Endocrinology & Metabolism--

New!! The Campbell Awards in Endocrinology & Metabolism ($500 plus reimbursement of the advance registration fee) is a poster-based competition that will be held in conjunction with the annual Endocrinology and Metabolism Section Business Meeting at Experimental Biology. The awards will recognize the graduate student, resident or postdoctoral fellow who presents the best poster for research in the area of Endocrinology and Metabolism at the Experimental Biology Meeting. Candidates must be first author on a submitted abstract to an APS Endocrinology & Metabolism Section topic category [to be determined] and be certified by his/her advisor as being eligible for such an award.

Applicants must upload a copy of the first-authored abstract to be considered for the award. Applicants must attend the Experimental Biology meeting and present their posters to the judges at the Section Business Meeting to be eligible to receive the cash prize and reimbursement of the advance registration fee. Winners will be recognized at the Endocrinology & Metabolism Section Business Meeting and Awards Reception.

All application materials must be completed online by November 13, 2013.
http://www.the-aps.org/mm/awards/sections/endo-metabol

Section 2: Experimental Biology 2014 Program Release

Experimental Biology San Diego 2014 Endocrinology and Metabolism Section Program
The E&M Section will sponsor three symposia, two featured topics, and poster sessions.
a. Symposia

Symposium 1: Cardiometabolic Consequences of Sleep Deficiency and Circadian Disruption  
Chairs: Josiane L. Broussard and Kristen Knutson  
Tuesday, April 29, at 3:15pm in Room 25A

Rates of obesity, diabetes and cardiovascular disease have been increasing at an alarming rate over the past few decades. These cardiometabolic disorders are associated with decreased quality of life and life expectancy and increased economic burden. The identification of novel risk factors for cardiometabolic disease is necessary to help stem this epidemic. Sleep deficiency, i.e. sleep that is insufficient in duration or quality and circadian disruption of the sleep-wake cycle (caused by shift work or travel across time zones, etc.) have become extremely common behaviors in industrialized countries, and accumulating evidence supports their central role in elevating the risk of cardiometabolic diseases.

Symposium 2: Diabetes-Related Contractile Dysfunction of the Heart: Clinical Implications, Underlying Molecular Mechanisms, and Exercise-Related Cardio-protection  
Chairs: M. Faadiel Essop and Monte S. Willis  
Sunday, April 27, at 3:15pm in Room 22

Diabetes is an escalating health crisis and constitutes a significant, pressing concern for both developed and developing countries. Since cardiovascular complications and mortalities are common in diabetic patients this will further increase the overall burden of disease. These alarming projections therefore necessitate a comprehensive understanding of the underlying biochemical and molecular mechanisms orchestrating the development of diabetes-related cardiovascular complications. In this symposium we will focus on metabolic perturbations (focusing on hyperglycemia) that play a fundamental role in the onset of diabetes-related contractile dysfunction.

Symposium 3: Novel Aspects of G Protein-Coupled Receptor Signaling  
Chairs: Willis K. Samson and Kathryn Sandberg  
Tuesday, April 29, at 10:30am in Room 23

G protein-coupled receptors couple hormones, neurotransmitters, adipokines, cytokines and extracellular matrix proteins to cellular signaling mechanisms that underlie all aspects of integrative physiology. In addition, approximately 50% of all drugs prescribed in North America target these receptors and thus they are a focal point for the translation aspects of basic research. Bioinformatics-based approaches have led to major advances in the field, many of these are based upon the founding hypothesis that G proteins conserved throughout evolution, must have physiological relevance in mammals, including humans. Insight gained from analysis of this conservation has enabled the discovery of additional receptor signaling cascades and cell-cell interactions. In addition, the importance of proteins that modify the signaling capability of these G protein-coupled receptors has been recognized as a major determinant of ligand specificity. Most recently, upstream short open reading frames in genes encoding known G protein-coupled receptors have been demonstrated to encode peptides that alter the receptor’s expression and signal transduction capability, demonstrating the possibility of an endogenous mechanism to control ligand specificity and action. The promise of the development of novel therapeutics has been strengthened by innovative approaches developed to match orphan G protein-coupled receptors to their cognate ligands. This Symposium will focus on the translational potential of these approaches to the understanding of G protein coupled receptor signaling. The
potential clinical relevance of the methodologies and findings presented will be a highlight of these presentations.

**b. Featured Topics**

**Featured Topic 1: Brown and Beige Adipose Tissue: New Insights into Primary Targets for Obesity Prevention**
Chair: Michael Symonds
Wednesday, April 30, at 8 a.m. in Room 25B

**Featured Topic 2: Inflammation in Beta Cell Dysfunction: From Mouse to Man**
Chair: John Corbett
Tuesday, April 29, at 8 a.m. in Room 27

**c. Featured Topic Poster Sessions**

**Poster Session Topics:**
*Poster Session with Featured Topic 1: Brown and Beige Adipose Tissue: New Insights into Primary Targets for Obesity Prevention (1115-APS)*

*Poster Session with Featured Topic 2: Inflammation in Beta Cell Dysfunction: From Mouse to Man (1116-APS)*

**Other Poster Sessions:**
Cardiovascular endocrinology, including renin-angiotensin-aldosterone
Exercise, nutrition and muscle protein synthesis
Gestation, fetal, and neonatal biology, including mammary gland and lactation
Growth, connective tissue and bone metabolism
Lipid, lipoprotein and cholesterol metabolism
Mitochondrial function
Neuroendocrinology, hypothalamus and pituitary
Obesity and satiety
Pancreatic hormones and diabetes
Protein, amino acid and carbohydrate metabolism
Reproduction and sex hormones
Stress and trauma including adrenal gland

---

**Section 3: APS Endocrinology and Metabolism Section Steering Committee Opportunities**

**HEAR YE, HEAR YE! Section Steering Committee Opportunities:**
If you have wanted to get more involved in the Endocrinology Metabolism Section, there are a number of Steering Committee roles that will become available in 2014. We will have a number of key positions that will turn over including:

- Section Chair
- Secretary/Treasurer
• Liaison with Industry Representative
• Committee on Committees representative
• Trainee Advisory Committee Representative

If you are interested in running for any of these roles please email Josh Anthony (joshua_anthony@campbellsoup.com) by November 15, 2013.

Section 4: Experimental Biology 2013 Award Recipients

**Experimental Biology 2013 AWARD WINNERS**
Awards were presented at the EB 2013 meeting in Boston, MA to faculty, post-doctoral fellows, and graduate students. Recipients were chosen by the E&M section steering committee. The post-doctoral and graduate student awards were based on the merit of the research they presented at this years meeting. Congratulations!

New Investigator Award

Sheng Wu  
*Johns Hopkins University School of Medicine*

Abstract Title: Obesity induced infertility rescued by ovarian theca cell-specific knockout of the insulin receptor.

Virendra B. Mahesh Award for Excellence in Endocrinology

Angeline Hernandez  
*Indiana University School of Medicine*

Abstract Title: Upregulation of p21 activates the intrinsic apoptotic pathway in pancreatic β cells

Mead Johnson Research Award in Endocrinology and Metabolism

Ho-Jin Koh  
*Joslin Diabetes Center*

Abstract Title: The Role of Skeletal Muscle Tribbles 3 (TRB3) on Endoplasmic Reticulum (ER) stress- and high fat diet-induced insulin resistance

Danielle Shepherd  
*West Virginia University*

Abstract Title: Heat Shock Protein 27 (hsp27) Translocation to the Mitochondria is Associated with Protection Against Diabetic Cardiomyopathy.

Endocrinology and Metabolism Section  
Research Recognition Award

Marcia Abbott  
*University of California, San Francisco*

Abstract Title: Adiponectin mediates cellular plasticity of osteoblasts towards adipocytes

Rhianna Laker  
*University of Virginia*

Abstract Title: A novel Mito-Timer reporter gene for measurement of mitochondrial quantity and quality in vivo

Kim Pedersen  
*LSU Health Sciences Center*

Abstract Title: Hepatocyte nuclear factor 1 a stimulates the compensatory axis of the rennin-angiotensin in the pancreatic islet by specific induction of angiotensin-converting enzyme 2

Kristine Wadosky  
*University of North Carolina, Chapel Hill*

Abstract Title: Muscle RING finger-1 (MuRF1) inhibits thyroid hormone-dependent cardiomyocyte growth in vitro and in vivo

Dr. Ellis R. Levin  
University of California, Irvine  
School of Medicine

**Solomon A. Berson Distinguished Lecturer of the Endocrinology & Metabolism Section**

EB April 22, 2013  
(with Dr. Josh Anthony (left), Chair, APS Endocrine and Metabolism Section)