First, I would like to thank Mike Wyss for his distinguished service to our section. Mike has served multiple roles within APS and will continue to do so as Chair of the Education Committee. Mike is one example of our section’s continued representation within important committees of the society. This year, two more of our members, Ida Llewellyn-Smith and Margarita Curras-Collazo, were appointed as Chair of the Awards and Porter Physiology Development and Minority Affairs Committee, respectively. Despite this success, there are a number of opportunities for our section to become more involved within the society (see below). Please contact Tony Verberne (Antonius@unimelb.edu.au) or myself (sstocker@hmc.psu.edu) if you are interested. Nominations are due January 17, 2014.

A second highlight of every year is the Joseph Erlanger Distinguished Lectureship. At EB2013, Charles Bourque gave an excellent talk on the central osmoreceptor complex of the hypothalamus. This year, we are pleased to announce Barry Levin as the 2014 Joseph Erlanger Distinguished Lecturer, and the session should be equally exciting. Dr. Levin received his MD from Emory University School of Medicine followed by residencies and research fellowships at Cornell and NYU. He is a clinically trained neurologist who focuses on the role of the central nervous system in obesity and metabolic signaling. He has received numerous awards including recipient of 3 current NIH grants and a previous NIH MERIT. He was recently elected President of the Society for the Study of Ingestive Behavior.

2014 Joseph Erlanger Distinguished Lectureship of the APS Central Nervous System Section

Barry Levin, M.D.
Department of Neurology and Neurosciences
Rutgers New Jersey School of Medicine

Metabolic sensing neurons: multi-modal regulators of energy and glucose homeostasis

Monday, April 28, 2014; 3:15-5:15 PM, San Diego Convention Center Room 23

CNS Section Reception follows the Erlanger Lecture Monday, April 28, 5:30 pm
Experimental Biology 2014: CNS Programming
Joint Programming Committee

Sean Stocker, Ph.D.

CNS Featured Topics and Symposia

Featured Topic: Sunday, April 27, 10:30AM -12:30 PM
Sympathetic Mechanisms in the Etiology of Obesity-related Hypertension
Chairs: D. Sartor and S.D. Stocker  Speakers: M. Cowley and G. Head
*4 submitted abstracts will be programmed as 10-min oral talks

Symposium: Sunday, April 27, 3:15-5:15 PM
Epigenetic Regulation of CNS Function
Chair: William J. Martin  Speakers: J. Hsieh, A.E. West, G. Sadri-Vakili, T. Abel

Featured Topic: Monday, April 28, 10:30AM-12:30 PM
Control of metabolism and food intake
Chair: C. Madden  Speakers: H. Raybold and C. Madden
*4 submitted abstracts will be programmed as 10-min oral talks

Symposium: Tuesday, April 29, 3:15-5:15 PM
Recent advances in hypothalamic signaling

Submit abstracts to CNS Section Categories

Abstracts submitted for Featured Topics will be included in the poster category listed below. A subset of these abstracts will also be selected for oral presentations in our Featured Topic sessions. Categories for abstract submission to poster sessions sponsored by the CNS section are also listed below.

Abstract submission categories for the CNS Section

CNS Featured topics: 1080-APS: Sympathetic Mechanisms in the Etiology of Obesity-related Hypertension
1081-APS: Control of feeding and metabolism

CNS Poster presentation topics:
1082-APS  CNS Cognition and Behavior
1083-APS  CNS Blood Brain Barrier, Blood Flow and Metabolism
1084-APS  CNS Brain Development and Aging
1085-APS  CNS Neuroinflammation/neuroprotection/ischemia
1086-APS  CNS Neuroendocrinology/Neuroimmunology
1087-APS  CNS Neuronal Excitability/Neuroplasticity
1089-APS  CNS other
1090-APS  Central Regulation of Food Intake and Body Weight
1091-APS  Central Regulation of Body Fluid Homeostasis
1091-APS  Neuroglial Interactions
CNS Section Awards Subcommittee

Kirsteen N Browning, Ph.D., Chair

The APS and the CNS Section have a long tradition of emphasizing and acknowledging the outstanding research efforts of its members. The CNS Section presents 3 awards at the annual Experimental Biology meeting: to graduate students (the Van Harreveld Memorial Award; up to 2 awards may be presented in 2014); to young investigators (Research Recognition Awards; up to 3 awards may be presented in 2014) and to early career-stage investigators (New Investigator Award). Details of eligibility and submission requirements can be found below as well as on the CNS section awards website (http://www.the-aps.org/mm/awards/sections/cns).

Award applications should be submitted online to the EB awards submission site in time for the 22 November 2013 deadline (https://www.the-aps.org/awardapps/login/index.cfm)

<table>
<thead>
<tr>
<th>Award Eligibility</th>
<th>Van Harreveld Memorial Award</th>
<th>Research Recognition Award</th>
<th>New Investigator Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Award Requirements</td>
<td>Graduate student</td>
<td>Postdoctoral fellow or equivalent position awarded PhD or other professional degree within the past 10 years</td>
<td>Investigator not above the rank of Assistant Professor (or equivalent position in a research track at an academic institution or industry)</td>
</tr>
<tr>
<td>Membership Requirements</td>
<td>Recommended</td>
<td>Recommended</td>
<td>Member in good standing CNS primary affiliation preferred</td>
</tr>
<tr>
<td>Submission Requirements</td>
<td>Upload a copy of submitted abstract to online awards submission site (see below)</td>
<td>Upload copy of submitted abstract (or a research description if presented in a featured topic session), a letter describing research novelty, notification of the year of PhD award, current position and whether an APS member to online awards submission site (see below)</td>
<td>Upload curriculum vitae, 2 nomination letters from regular APS members &amp; 3 reprints to online awards submission site (see below)</td>
</tr>
</tbody>
</table>

Application deadline 22 November 2013 22 November 2013 22 November 2013

Awards $500 plus reimbursement of advanced Experimental Biology registration fee $500 plus reimbursement of advanced Experimental Biology registration fee $1000 plus reimbursement of advanced Experimental Biology registration fee

Please Help Sponsor our CNS Awards!!!

The CNS Section actively seeks donations to sponsor research awards which recognize outstanding contributions of undergraduate students, graduate students, postdoctoral fellows and new investigators. Please follow the link: https://ebus.the-aps.org/ebuspprod/OneClickDonation/tabid/229/Default.aspx?ProductId=82

Donations are Tax-Deductible and used exclusively for the awards.
CAREER CORNER - Spotlight on grand achievements

Celia D. Sladek, Department of Physiology & Biophysics, University of Colorado Health Sciences, celebrated her career achievements at a symposium held in her honor as she transitioned to professor emerita earlier this year. Dr. Sladek’s career focuses on the regulation of vasopressin and oxytocin release and she is noted for developing the hypothalamo-neurohypophyseal system (HNS) explants which had a significant impact on the field. The platform speakers at the symposium held in September, included Bill Armstrong, Charles Bourque, David Earnest, Alan Kim Johnson, and Janice Urban. Each speaker included personal reflections on the impact that Celia has had on the development of their science, careers and life in general. Additionally, Celia provided a wonderful retrospective of her life as she discussed the importance of good mentors in the development of one’s career. Using this as a backdrop, she weaved her story and discussed some of the key decisions she made which ultimately resulted in a very successful (and balanced) career and family life. Students who were in attendance received excellent career advice and life lessons from Celia.

Dr. Sladek continues to be a strong advocate for APS as well as the CNS section, and over the years had a strong presence on a number of APS committees; most notably she served as Chair of the Women in Physiology Committee, Chair of the CNS Steering Committee and was also the recipient of our Joseph Erlanger Distinguished Lectureship of the APS Central Nervous System Section Award.

Eve Marder, Professor and Chair of the Department of Biology, Brandeis University has been elected to the prestigious Institute of Medicine (IOM). Her work focuses on the study of neural circuits and understanding how the properties and dynamics of individual neurons and their synaptic connections form neural circuits that give rise to specific behaviors.

Dr. Marder is a member of the CNS section and was the 2008 recipient of the Erlanger Distinguished Lectureship, past Editor-In-Chief of the Journal of Neurophysiology, and past President of the Society for Neuroscience.


Bill Yates has recently been named as Editor of Journal of Neurophysiology. Dr. Yates will assume this role next year.
Congratulations!

Ms. Basu Urmi from University of Nebraska Medical Center and CNS member is the recipient of the tum Suden award presented by the Women in Physiology Committee awarded at EB2013. Please take a look at the other professional opportunity awards for EB 2014. These include the following abstract-based awards for junior physiologists:

- Caroline tum Suden/Frances Hellebrandt Professional Opportunity Awards (36)
- Fleur L. Strand Professional Opportunity Award (1)
- Steven M. Horvath Professional Opportunity Awards (2)
- Gabor Kaley Professional Opportunity Award (2)

Richard Wainford was awarded the AHA Goldblatt Award at the council for high blood pressure meeting in New Orleans in September. Richard was last year’s recipient of the 2013 CNS Section’s New Investigator Award. He is an Assistant Professor in the Departments of Pharmacology & Experimental Therapeutics and Medicine, Division of Cardiovascular Medicine at Boston University.

Erica Dale (Univ. of Wisconsin-Madison), Nino Muradashvili (Univ. of Louisville) and Kedra Wallace (Univ. of Mississippi Med. Ctr.) were the 2013 Recipients of the CNS Section Research Recognition Award.

Chandra Bathina, (Univ. of North Texas HSC) was the 2013 recipient of the CNS section’s Van Harreveld Memorial Award.

Training Advisory Committee: CNS representative

Erica Dale, Ph.D., CNS Representative

As a quick reminder, I’m your section trainee representative and it’s my goal to be in touch with the needs of both pre- and post-doctoral trainees to ensure that your experience with APS is both productive and interesting. Here are a few updates to keep you informed:

- If you’re a trainee serving on an APS committee, be on the lookout for information regarding a fun and informal (and free!) breakfast at Experimental Biology 2014 in San Diego to chat about your service experience.
- Don’t forget to apply for trainee-related EB awards including: The CNS Section Research Recognition Award, The Caroline tum Suden/Francis Hellebrandt, Horvath, David Bruce, or Fleur Strand awards (among others!).
- Are you interested in finding a mentor or even becoming a mentor yourself? Join MentorNet at www.MentorNet.net which is an award-winning program FREE from the APS.
- Have you signed up for the CNS section listserv on the APS website (www.the-aps.org)? Also check out our facebook page (www.facebook.com/APSTrainees) and Twitter account (twitter.com/APSTrainess).
- Don’t miss the annual Trainee Advisory Committee’s symposium at EB. Each year we cover a wide variety of career development areas. Check your program!

And a last note: My tenure as your Trainee Representative will be ending soon. If you’re interested in applying to be the next rep, feel free to contact me at edale@ucla.edu. I guarantee this will be an incredibly fulfilling way to give back to the APS, meet trainees, and meet new and exciting contacts in the field of physiology!
Welcome to our new CNS section members!

**Student Members:** Precious Ezeamama, Zacharia Mohamed, Ben Smith, Malgorzata Straka, Chelsea Holloway, Matthew Wittbrodt, Joshua Downer, John Maxi, Jacques Pierre Mayeux, Kristin Kim Sellers, Nasreen Akhtar, Jenna Tosto, Hiroyuki Yamashiro, Heather Briana Denson

**Regular Members:** David D. McKemy, Tess Briones, Laura Busse, Amit Kumar Chouhan, Christopher Colwell, Takeshi Otsuka, John Thompson, Bastien Berret, Kim Blackwell, Edward M. Callaway, H. Steven Colburn, Shengyuan Ding, Torsten Eken, Chou P. Hung, Todd Nolan, Shunichi Fukuda, Max J. Kurz, Shunguang Wei, Carlos H. Xavier Custodio, Par Mohammadian, Turgay Akay, David Bennett, Anna Donzdillo, Rade Durbaba, Tanuj Gulati, Daniel Le Bars, André Mouraux, Najeeb Ahmed Khan Shirwanay, Tim P. Vogels, Oline Ronnekleiv, Carol F. Elias, Adrienne Orr

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**CNS section representatives on APS committees**

**Anthony J.M. Verberne, Ph.D., CNS representative**

The Committee on Committees meeting was held at EB2013. The CNS section had nominees for several committee vacancies. Currently, we do not have CNS representatives on the Communications Committee, Conference Committee, Daggs Committee, Distinguished Physiologists Committee, Perkins Committee, Physiologists in Industry Committee, Publications Committee, Science Policy Committee or the Women in Physiology Committee, so we are clearly under-represented. The CNS section steering committee urges you to nominate for one or more of these committees in future calls for nominees.

APS has started a new **Committee on Honors**. As president, Susan Barman is Chair through EB 2014. Here is a link to description and members: [http://www.the-aps.org/mm/hp/Audiences/APS-Committees/honors](http://www.the-aps.org/mm/hp/Audiences/APS-Committees/honors). The duties of this committee include coordinating the nomination process of APS members to be elected to National Academy of Sciences (NAS) and Institute of Medicine (IOM). The Society has long discussed the need to have APS members get such due recognition. Dr. Barman worked with Marty Frank and some IOM members to get some nominations processed this year.

A sincere thank you to those providing CNS representation on APS committees!!

**Those completing service:**

<table>
<thead>
<tr>
<th>International committee</th>
<th>Zhilin Song</th>
<th>Univ. Colorado Denver HSC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Membership committee</td>
<td>Stuart McDougall</td>
<td>Florey Neuroscience Institutes</td>
</tr>
<tr>
<td>Porter Physiology Development Committee</td>
<td>Margarita Curras-Collazo</td>
<td>University California, Riverside (currently, chair of the committee)</td>
</tr>
</tbody>
</table>

**Current CNS representation on committees:**

<table>
<thead>
<tr>
<th>Animal Care and experimentation</th>
<th>Bill Yates</th>
<th>T. Richard Nichols</th>
<th>Naz Moaddab (trainee member)</th>
<th>Univ. Pittsburgh Eye &amp; Ear Inst Georgia Institute of Tech. Georgetown Univ.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Awards</td>
<td>Ida Llewellyn-Smith (Chair)</td>
<td>Sean Stocker</td>
<td>Flinders University Penn State College Medicine</td>
<td></td>
</tr>
<tr>
<td>Career opportunities in Physiology</td>
<td>Michael Statnick</td>
<td></td>
<td>Lilly Research Laboratories</td>
<td></td>
</tr>
<tr>
<td>Education Committee</td>
<td>J. Michael Wyss (Chair)</td>
<td></td>
<td>Univ. Alabama, Birmingham</td>
<td></td>
</tr>
<tr>
<td>Finance Committee</td>
<td>Bill Martin</td>
<td></td>
<td>Theravance, Inc.</td>
<td></td>
</tr>
</tbody>
</table>
**Membership committee**  
Dimitila Huber (young investigator)  
Univ. North Texas HSC

**Porter Physiology Development Committee**  
Margarita Curras-Collazo (Chair)  
University California, Riverside

**Physiologists in Industry**  
James Herrington  
Genentech, Inc

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**Get Involved!**  
**Join an APS committee!**

The CNS section steering committee is looking for people to become involved in the APS and represent CNS-related research to the Society. If interested contact Sean Stocker  
sstocker@hmc.psu.edu  
or any member of the steering committee! Individuals can self-nominate.

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**CNS Section Steering Committee**

*Chair and Section Advisory Committee Representative (2016)*  
Sean D. Stocker  
Penn State College of Medicine  
Phone: 717-531-0003 (x285573)  
Email: sstocker@hmc.psu.edu

*Secretary-Treasurer (2014)*  
Janice H. Urban  
Rosalind Franklin University  
Phone: 847-578-3283  
Email: Janice.Urban@rosalindfranklin.edu

*Past Chair*  
J. Michael Wyss  
University of Alabama  
Phone: 205-934-6086  
Email: jmwyss@uab.edu

*Committee on Committees Representative (2014)*  
Anthony J.M. Verberne  
Univ. of Melbourne  
Phone: 61 3 9496 5978  
Fax: 61 3 9459 3510  
Email: antonius@unimelb.edu.au

*Section Program Committee Chair*  
Joint Program Committee Representative  
Sean D. Stocker  
Penn State College of Medicine  
Phone: 717-531-0003 (x285573)  
Email: sstocker@hmc.psu.edu

*Awards Subcommittee Chair (2013)*  
Kirsteen N. Browning  
Penn State College of Medicine  
Phone: 717-531-8267  
Email: kirsteenbrowning@hotmail.com

**Physiologists in Industry Committee Rep (2014)**  
James (Jim) Herrington  
Genentech, Inc.,  
Phone: 650-225-1258  
Email: herrington.james@gene.com

**Trainee Advisory Committee Representative (2014)**  
Erica Dale  
University of Wisconsin-Madison  
Phone: 608-263-5013  
Email: edale@wisc.edu

**International Representative (2014)**  
Anthony J.M. Verberne  
Univ. of Melbourne, Dept. of Med., Austin Health Heidelberg, 3084 Australia  
Phone: 61 3 9496 5978  
Fax: 61 3 9459 3510  
Email: antonius@unimelb.edu.au

**Ex-Officio Members**  
Susan Barman (APS President)  
Ann Schreihofer (Section Advisory Committee)  
Scott Carlson (AAAS, Biology Rep)  
Bill J. Yates (Animal Care and Experimentation)  
T. Richard Nichols (Animal Care and Experimentation)  
Glenn Toney (Conference Committee)  
Ida J. Llewellyn-Smith (APS Council)  
Zhilin Song (International Committee)  
Stuart McDougall (Membership Committee)  
Margarita Curras-Collazo (Porter Committee)  
Richard Wainford (Member-At-Large)