Greetings from the CNS Section Chair

Welcome to Fall! We are finally experiencing some cooler weather down here in Augusta, Georgia while avoiding the massive flooding of Atlanta.

**APS Committees.** One of the major themes of this newsletter is about serving on committees for the American Physiological Society. We commend those that are currently serving and encourage other CNS members to get involved! National service not only looks great on your CV, but it can be fun and rewarding, too. As your CNS section chair, I can help you with the nomination process for APS committees that peak your interest. The committee on committees makes the final decisions for APS committee memberships each year at EB. At EB 2009 the COC appointed members to begin January, 2010. We are now seeking people for nomination to the COC for EB 2010 for appointment in January, 2011. Please email me with any questions or concerns. Particular vacancies are detailed in this newsletter. Details for each committee (goals, requirements for membership, current members) can be found on the APS website: [http://www.the-aps.org/committees/](http://www.the-aps.org/committees/).

**Experimental Biology.** Another major theme of this newsletter is to get you all thinking about attending the Experimental Biology meeting in Anaheim, CA, April 24-28, 2010. The deadline to submit an abstract for EB 2010 is coming soon on November 4. See the EB 2010 website for submission details: [http://experimentalbiology.org/content/default.aspx](http://experimentalbiology.org/content/default.aspx).

Please check out the CNS poster themes and our 2 featured topics for consideration when submitting your abstract. The future number of CNS oral sessions depends on how many abstracts are submitted to the CNS section topics. This year we are excited to have Dr. Allan Basbaum as our Joseph Erlanger Distinguished Lecturer. Following his talk we have put together a special hour session of talks to complement his presentation, entitled “The generation and control of pain: From molecules to circuits to behavior”. These speakers will be recognized along with our award winners at the annual CNS reception at the EB meeting. As always, please consider planning and chairing an oral session at EB 2011, either a symposium or a featured topic. This is your meeting, so make it work for you!

- Ann Schreihofer, Medical College of Georgia: [ASchreihofer@mcg.edu](mailto:ASchreihofer@mcg.edu)
CNS Representation on APS committees

We want to recognize CNS members who currently serve on APS committees. Thank you for your service to the APS! For those rotating off in 2010, please consider appointment to another APS committee for 2011.

Animal Care & Experimentation Committee: James Gnadt, Howard COM (2011)
Conference Committee: Sean D. Stocker, Penn State COM (2011)
Education Committee: Erin Keen-Rhinehart, Harbor UCLA Med Ctr (2011)
International Committee: Ida Llewellyn-Smith (Chair), Flinders Univ (2010)
Membership Committee: Sanya Roysommuti, Khon Kaen Univ (2010)
Publications Committee: Celia Sladek, Univ Colorado School of Medicine (2011)

Other committees associated with APS:
FASEB Finance Committee: Richard Hawkins, Rosalind Fraklin University Med & Sci
AAAS, Biology Representative: Scott Carlson, Luther College (2011)

NEWLY Appointed CNS Members (to begin in January 2010)

Congratulations to those of you who were appointed to APS committees for 2010. We appreciate your service to APS!
Animal Care and Experimentation: Bill Yates (Chair), Univ Pittsburgh
Conference Committee: Glenn Toney, Univ Texas HSC, San Antonio
Education Committee: Michael Wyss, Univ Alabama, Birmingham

Previously Appointed CNS Members (Rotated off in 2009)

Thank you for your service to APS! If you have not signed on to another APS committee for 2010, please consider joining a committee for 2011.

APS Council: J. Michael Wyss, Univ Alabama, Birmingham
Porter Physiology Development Committee: Nawal Sharma, University of Pittsburgh
Women in Physiology Committee: Colleen Hegg, Michigan State University

Are You Interested in Serving on an APS Committee- Vacancies for 2011?

Awards Committee: Ray Daggs Committee
Career Opportunities in Physiology: Perkins Memorial Fellowship Committee
Communications Committee: Porter Physiology Development Committee
Finance Committee: Public Affairs Committee
International Committee: Senior Physiologists Committee
Membership Committee:

Please contact the CNS Chair, Ann Schreihofer (ASchreihofer@mcg.edu) or any member of the CNS steering committee. Nominations from our section this fall will be considered by the Committee on Committees in the Spring for a January, 2011 appointment.
2009 Experimental Biology Award Winners

(L-R):

Megan Bardgett (Van Harreveld Award, University of Kentucky)
Rebecca Johnson (New Investigator Award, University of Michigan)
Celia Sladek (Former Erlanger Distinguished Lecturer Univ Colorado Sch Med)
Hiujing Xia (Research Recognition Award, LSU HSC)
Qing-Hui Chen (Research Recognition Award, University of Texas HSC at San Antonio)
Erin Keen-Rhinehart (Research Recognition Award, Harbor UCLA Med Ctr)
Ann Schreihover (Chair, CNS Section)

Apply for CNS Section Awards for Experimental Biology 2010!!!

Early career physiologists who are members of the CNS section are strongly encouraged to apply for the 2010 Experimental Biology Meeting in Anaheim, CA. Applications must be submitted through the APS awards website: www.the-aps.org/awardapps/.

APS Abstract and APS Award Deadlines: November 4th, 2009
CNS Section Award Deadline: November 18th, 2009

For a complete description, see the CNS section awards page: http://www.the-aps.org/meetings/eb10/awards/cns.htm

The Central Nervous System Section Van Harreveld Memorial Award ($500 plus EB registration fee)
This award recognizes outstanding research in neuroscience by a graduate student. The recipient must be first author on an abstract presented at the EB meeting.

The Central Nervous System Section Research Recognition Award ($500 plus EB registration fee)
This award recognizes meritorious research by young investigators. The applicant must have received a Ph.D. or other professional degree within the past 10 years and hold a post-doctoral or junior faculty position. Candidates must be first author on an abstract that is presented as a poster or give an invited talk at the Experimental Biology meeting.

The New Investigator Award ($1000 plus EB registration fee)
Candidates should be investigators who have made meritorious contributions to the area represented by the CNS Section. The applicant 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.). Candidates will be judged on their publications, how the publications relate to the CNS Section and evidence for independence and promise (grant funding, peer review activities, contributions to the discipline, etc.).
2010 Erlanger Distinguished Lectureship of the Central Nervous System Section

Allan Basbaum, PhD
Department of Anatomy
University of California, San Francisco

“The Generation and Control of Pain: From Molecules to Circuits to Behavior”

*1 hr symposium and tribute to Dr. Basbaum will follow the Erlanger Lectureship

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### CNS Sponsored or Related Programming for EB2010

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Session Type</th>
<th>Title</th>
<th>Chair</th>
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<tbody>
<tr>
<td>Sunday April 25th</td>
<td>10:30 AM - 11:30 PM</td>
<td>Joseph Erlanger Distinguished Lectureship</td>
<td>“The Generation and Control of Pain: From Molecules to Circuits to Behavior”</td>
<td>Allan Basbaum</td>
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<td>Sunday April 25th</td>
<td>11:30 AM - 12:30 PM</td>
<td>Symposium</td>
<td>“Tribute to Dr. Allan Basbaum”</td>
<td>William Martin</td>
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<tr>
<td>Date</td>
<td>Time</td>
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<tr>
<td>Saturday</td>
<td>3:15 PM - 5:15 PM</td>
<td>Symposium</td>
<td>Trends in Animal Rights Activism and Extremism</td>
<td>Bill Yates</td>
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<tr>
<td>April 24th</td>
<td></td>
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<td>*Sponsored by Animal Care Committee</td>
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<tr>
<td>Sunday</td>
<td>10:30 AM - 12:30 PM</td>
<td>Featured Topic</td>
<td>Angiogenesis, Neurogenesis and Brain Recovery from Injury</td>
<td>Frank Barone</td>
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<td>April 25th</td>
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<tr>
<td>Monday</td>
<td>8:00 AM - 10:00 AM</td>
<td>Featured Topic</td>
<td>CNS Regulation of Body Temperature</td>
<td>Shaun Morrison</td>
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<td>April 26th</td>
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<tr>
<td>Monday</td>
<td>3:15 PM - 5:15 PM</td>
<td>J of Physiology</td>
<td>Regulation of Neuronal Cell Volume From Activation to Inhibition to Degeneration</td>
<td>Glenn Toney</td>
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<tr>
<td>April 26th</td>
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<td>Symposium</td>
<td></td>
<td>Sean D. Stocker</td>
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<tr>
<td>Tuesday</td>
<td>10:30 AM - 12:30 PM</td>
<td>Symposium</td>
<td>Intrinsic and extrinsic regulation of activity in the hypothalamus: mechanisms and consequences</td>
<td>Colin Brown</td>
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<td>April 17th</td>
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<td>Mike Ludwig</td>
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**Poster Sessions**

FEATURED TOPICS:
1076-APS Angiogenesis, Neurogenesis and Brain Recovery from Injury
1077-APS CNS Regulation of Body Temperature (Morrison)

POSTERS:
1078-APS Behavioral and cognitive neuroscience
1079-APS Biological rhythms and sleep/wake states
1080-APS Blood-brain barrier, brain blood flow and metabolism
1081-APS Cerebral ischemia/neuroinflammation/neuroprotection
1082-APS CNS regulatory systems
1083-APS Development and aging in the CNS
1084-APS Neurodegenerative and neurotoxic disorders
1085-APS Neuroendocrinology/neuroimmunology
1086-APS Neuronal excitability (ion channels, transporters)
1087-APS Neuroplasticity
1088-APS Neurotransmission and signaling molecules
1089-APS Other neurobiology
1090-APS Regulation of food intake and body weight by the CNS
Welcome New CNS Section Members!!!


Student Members: Sumit Barua, Tanuj Gulati, Bradley King, YuCheng Pei, Daniel Petrescu, Nicolas Rosencovich, Caroline Schik, Wan Shaik Mossadwq, Renato Soriano, Xin Tang, David Tsai

Jeffrey T. Potts, PhD
Associate Professor
Department of Integrative Physiology
University of North Texas Health Science Center

APS lost one of its colleagues this past fall after a battle with cancer. Jeff’s research program focused on the neuroplasticity in autonomic brainstem circuits controlling cardiovascular and respiratory function. Jeff served APS through various committees including NCAR steering committee and organized several symposium/feature topics. He is survived by his wife Jessica and newborn daughter Nadia.

Donations can be made to the “Nadia Potts Benefit Account” and sent to:
Jessica Potts
619 Sandwood Ct.
Weatherford, TX 76085
USA
Trainee Advisory Committee (TAC)
Lara DeRuisseau, CNS Representative
Deruislr@lemoyne.edu

The Trainee Advisory Committee (TAC) is involved with the needs of physiology graduate students, postdoctoral fellows and junior faculty (and respective positions in government and industry). Please contact me if you have an interest in how our committee operates and the projects that we are currently working on this year. I value your input!!!!

MENTORS: If you have any trainees in your lab, please have them join the Trainee Listserv so they can get updates and newsletters about our committee. Log-in to the APS members only site, on the panel is a choice “subscribe to the Trainee Listserv”. Click “subscribe”

APS Liaison With Industry Committee (LWIC)
Michael Finley, Section Representative

Symposia 2010: The PIIC is continuing its tradition of sponsoring high quality symposia relevant to industry and academic scientists. The annual PIIC Symposium at EB ‘10 is entitled “Novel Opportunitites for the Treatment of Heart Failure”. The symposium will highlight recent insights into mechanisms of cardiac function and failure while highlighting novel emerging therapies to treat heart failure. The program has commitments from Dr. Eva van Rooij, Ph.D. (UTSWMC and Miragen Therapeutics), Dr. John Burnett, M.D. (Mayo Clinic) and Dr. Daniel Bloomfield, M.D. (Merck Research Laboratories).

The committee has also successfully competed for the EB ‘10 Translational Physiology symposium; it is entitled “Integrins: New Insights and Therapeutic Targets”. The symposium will highlight recent advances regarding the structure, activation and signaling cascades in both physiological and pathological conditions as well as potential treatment approaches for a wide range of disorders including, inflammatory diseases, neurodegenerative diseases, cancer, cardiovascular disease, and antplatelet/anticoagulant therapies. Speakers for the Translational Physiology Symposium include Dr. Mark Ginsberg, M.D. (UCSD – Dept of Medicine), Dr. Eric Fedyk, Ph.D. (Millennium Pharmaceuticals, Inc.), Dr. David Schlaepfer, Ph.D. (UCSD – Moores Cancer Center), and Dr. Motomu Shimaoka, M.D., Ph.D. (Harvard University Medical School).

Novel Disease Model Award: A reminder that abstract submissions to EB ‘10 are NOT that far away! The Novel Disease Model Award, sponsored by the PIIC and the APS, recognizes one graduate student ($500) and one postdoctoral fellow ($800) who submit the best abstract describing a disease model that is novel or has significant potential to be applied to the drug discovery process. The application for the award can be found on by visiting the APS website and following the “Section Awards” link (“Physiologists In Industry”) from the EB’10 page, or by clicking on the “Committees” tab on the APS homepage and going to the PIIC page.
CNS Section Steering Committee

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Term ends: 2010

Ex-Officio Members
Colleen Cosgrove Hegg (Women in Physiology)
Jessica Filosa (Women in Physiology)
Celia Sladek (Publications)
Anthony J.M. Verberne (Membership)
J. Michael Wyss (Education)
Scott Carlson (AAAS Biology Representative)
James Gnadt (Animal Care)
Bill J. Yates (Animal Care)
William J. Martin (former chair)