

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/>.



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>.

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 Schreihofner, Medical College of Georgia: ASchreihofner@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
Conference Committee
Education Committee
International Committee

Membership Committee
Publications Committee
Women in Physiology

James Gnadt, Howard COM (2011)
Sean D. Stocker, Penn State COM (2011)
Erin Keen-Rhinehart, Harbor UCLA Med Ctr (2011)
Ida Llewellyn-Smith (Chair), Flinders Univ (2010)
Sanya Roysommuti, Khon Kaen Univ (2010)
Anthony Verberne, Univ Melbourne (2010)
Celia Sladek, Univ Colorado School of Medicine (2011)
Jessica Filosa, Medical College of Georgia (2011)

Other committees associated with APS:

FASEB Finance Committee
AAAS, Biology Representative

Richard Hawkins, Rosalind Franklin University Med & Sci
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
Conference Committee
Education Committee

Bill Yates (Chair), Univ Pittsburgh
Glenn Toney, Univ Texas HSC, San Antonio
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
Porter Physiology Development Committee
Women in Physiology Committee

J. Michael Wyss, Univ Alabama, Birmingham
Nawal Sharma, University of Pittsburgh
Colleen Hegg, Michigan State University

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

Awards Committee
Career Opportunities in Physiology
Communications Committee
Finance Committee
International Committee
Membership Committee

Ray Daggs Committee
Perkins Memorial Fellowship Committee
Porter Physiology Development Committee
Public Affairs Committee
Senior Physiologists Committee

Please contact the CNS Chair, Ann Schreihofner (ASchreihofner@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 Schreihof (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***

CNS Sponsored or Related Programming for EB2010

Date	Time	Session Type	Title	Chair
Sunday April 25 th	10:30 AM - 11:30 PM	Joseph Erlanger Distinguished Lectureship	“The Generation and Control of Pain: From Molecules to Circuits to Behavior”	Allan Basbaum
Sunday April 25 th	11:30 AM - 12:30 PM	Symposium	“Tribute to Dr. Allan Basbaum”	William Martin

Date	Time	Session Type	Title	Chair
Saturday April 24 th	3:15 PM - 5:15 PM	Symposium *Sponsored by Animal Care Committee	Trends in Animal Rights Activism and Extremism	Bill Yates
Sunday April 25 th	10:30 AM - 12:30 PM	Featured Topic	Angiogenesis, Neurogenesis and Brain Recovery from Injury	Frank Barone
Monday April 26 th	8:00 AM - 10:00 AM	Featured Topic	CNS Regulation of Body Temperature	Shaun Morrison
Monday April 26 th	3:15 PM - 5:15 PM	J of Physiology Symposium	Regulation of Neuronal Cell Volume From Activation to Inhibition to Degeneration	Glenn Toney Sean D. Stocker
Tuesday April 17 th	10:30 AM - 12:30 PM	Symposium	Intrinsic and extrinsic regulation of of activity in the hypothalamus: mechanisms and consequences	Colin Brown Mike Ludwig

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!!!

Regular Members: *Jairaj Acharya, Srdjan Antic, Benjamin Arenkiel, Sliman Bensmaia, Tieerd Boonstra, Jimo Borjigin, Sarah Bottjer, He Cui, Geert De Vries, Serge Dumoulin, David Edwards, Stefan Gisele Etelvino, Daniel Felleman, Alain Frigon, Fabrizio Gabbiani, Valeriya Gritsenko, Parisa Hasanein, Jay Hegde, Andrew Hill, Mahnrdad Jazayeri, Jamie Johnston, Alexey Kuznetsov, Jean-Claude Lacaille, Mark Laubach, Yan Li, Ian Loram, Fei Ma, Hongtao Ma, Jie Ma, Itzhak Mano, Daniel Margoliash, Stuart McDougall, Gerard McShepard, Peter Meighan, Jorge Miranda, Osamu Miyamoto, Zhouli Ni, Hidehiko Okamoto, Simen Owe, Pablo Pacheco, Malte Rasch, John Rinzel, Alejandro Salah, Roland Schaette, Alexander Schultz, Ronen Segev, Siamek Shahidi, Peng Shi, Jennifer Swettenham, Pouya Tahsili-Fahadar, Kirk Thompson, Andrei Tkatchenko, Toru Tsujimoto, Christine Turenius, Gary Westbrook, Geoffrey Woodman, Tao Zhang*

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, post-doctoral 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 antiplatelet/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.

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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)