

**Start Planning for
Experimental
Biology
2007****April 28 - May 2
Washington, DC**Attend the Joseph Erlanger Distinguished Lectureship of the Central Nervous System Section**Eric Kandel****Columbia University College of Physicians and Surgeons
"The Long and Short of Long-Term Memory: Molecular Mechanisms
for Perpetuating Learning Specific Growth
Monday, April 30, 3:15 PM****Other Distinguished Lectureships of
Interest to Neuroscientists:****Carl Ludwig Distinguished Lectureship
"The Little Brain on the Heart"****John Andrew Armour (Sunday, 4/29, 8:00am)****Hugh Davson Distinguished Lectureship
"Ion Channels: Bacteria to Brain"****David Clapham (Monday, 4/30, 10:30am)****Edward F. Adolph Distinguished Lectureship
"Hypothalamic Neurons and the regulation of Body
Temperature"****Jack A. Boulant (Tuesday, 5/1, 9:00am)****CNS Section Symposium****Obesity and the Central Nervous System****Monday, 4/30, 10:30am****Chairs: S. Mifflin and A. Strack****Barry Levin "Why some of us get fat and what we
can do about it"****Mary Dallman "Glucocorticoids and insulin both
modulate caloric intake through actions on the
brain"****Greg Morton "Hypothalamic Leptin Regulation of
Energy Homeostasis and Glucose Metabolism"****Michael Tuck "Sympathetic Nervous System in
Obesity"**

Come join the fun at the CNS Section
Reception on Monday, April 30, 5:30 pm
at the Renaissance Hotel
(Renaissance West B).

Other Symposia of Interest to Neuroscientists:**Physiological Genomics: From Bench to Bedside
S. Old & M. Dwinell (Sunday, 4/29, 8:00am)****Stem Cells in Physiology and Drug Discovery.
C. Montrose-Rafizadeh & B. Hogan (Sunday, 4/29,
10:30am)****Alternative to Animal Experimentation Revisited
L. Toth (Sunday, 4/29, 10:30am)****Novel Approaches to Structure-Function Relations in
Membrane Transport Proteins
C. Miller (Sunday, 4/29, 3:15pm)****Functional Imaging of Autonomic Circuits: New Fron-
tiers in Optical Approaches and Applications
J. Potts & R. Rogers (Monday, 4/30, 8:00am)****Novel Aspects of Regulation & Physiology of NHE1.
D. Barber & S. F. Pedersen (Monday, 4/30, 3:15pm)****Neural plasticity of the Hypoxic Reflex
C.-S. Poon & D. Kline (Tuesday, 5/1, 8:00am)****See Page 2 for More Information Regarding Programming for Neuroscientists**

More Programming for Neuroscientists

Symposia, Continued:

Drug Discovery Efforts for Pain Indications: Ion Channels and GPCRs
M. Finley & W. Martin (Tuesday, 5/1, 8:00AM)

Neuroimmuno Interactions
V. Rettori & J. Antunes-Rodrigues (Tuesday, 5/1, 8:00am)

Heart Failure and Exercise: Autonomic and Cardiovascular Responses
C. Crandall & L. Sinoway (Wednesday, 5/2, 8:00am)

What Have We Learned about Respiratory Control from the use of Transgenic Models?
J. Neubauer & C. Gaultier (Wednesday, 5/2, 10:30am)

Featured Topics of Interest to Neuroscientists:

Emerging Properties and Concepts in Respiratory Rhythm Generation.
D. McCrimmon & W. Milsom (Sunday, 4/29, 8:00am)

Neural-glial-vascular Communication in the Brain
J. Filosa & E. Newman (Sunday, 4/29, 10:30am)

Donald Reis Memorial Featured Topic
D. Scheuer (Sunday, 4/29, 3:15pm)

Mitochondrial Mechanisms in Cerebrovascular Function in Health and Disease.
D.W. Busija (Monday, 4/30, 10:30am)

O₂ Sensing by Central Nervous System.
I. Solomon & J. Neubauer (Monday, 4/30, 3:15pm)

Osmoregulatory Function in Health and Disease
S. Stocker & A. Schreihofner (Tuesday, 5/1, 10:30am)

Novel Channels in Neuro-Cardiovascular Regulation: Focus on ASIC and TRP Channels.
F. Abboud (Wednesday, 5/2, 10:30am)

Spring 2007 Newsletter

Special Sessions for Trainees:

Being Heard: The Microinequities that Tilt the Playing Field.
S. Benyajati & L. Nisenbaum (Monday, 4/30, 8:00am)

NIH at the Crossroads: How Diminished Funds Will Impact Biomedical Research and What Scientists Can Do About It.
L. Furcht (Monday, 4/30, 12:45pm)

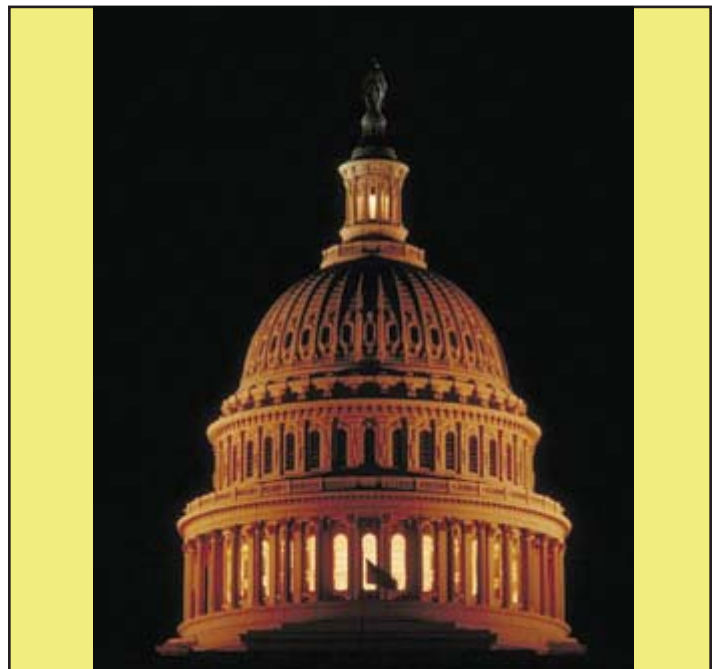
Guide for Successful Collaboration: From the Handshake to the Collaborative Research Agreement.
D. Johns & C. Uyehara (Monday, 4/30, 3:15pm)

Multiple Career Paths for a Physiologist: Understanding Your Options and How to Get There.
J. Pluznick & S. Stocker (Tuesday, 5/1, 8:00am)

Workshops:

Emerging Techniques for Ion Channel Studies.
T.-C. Hwang & D. Frafte (Saturday, 4/28, 12:30pm)

Chronic Instrumentation in Conscious Small Animals.
J.R. Haywood (Saturday, 4/28, 3:00pm)





From the APS Liaison With Industry Committee (LWIC)
(Section Representative: Michael Finley)

The LWIC is sponsoring a Symposium entitled "Stem Cells in Physiology and Drug Discovery" at EB2007 on Sunday, April 29th from 10:30 AM – 12:30 PM in Washington, DC Convention Center, room 145A. This symposium will describe latest research on stem cells expansion, use of stem cells in target identification and understanding of signaling pathways, as well as its use in Neurodegeneration diseases. Look for the full program on-line at <http://www.the-aps.org/meetings/eb07/abs/lwic-montrose.htm>

LWIC is also organizing a Translational Symposium entitled "Drug Discovery Efforts for Pain Indications: Ion Channels and GPCRs" at EB2007 on Tuesday, May 1st from 8:00 AM – 10:00 AM in Washington, DC Convention Center, room 146C. This symposium will describe novel ion channel and GPCR targets for treating chronic pain. The mechanistic rationale for the target as well as the drug testing strategies to identify novel therapeutics will be discussed. Look for the full program on-line at <http://www.the-aps.org/meetings/eb07/abs/tr-finley.htm>

The Novel Disease Model Award will be granted to a graduate student and a postdoctoral fellow who submit the best abstracts at EB2007 that describe a novel disease model. The model can be in vitro or in vivo but should clearly emphasize the potential utility of the system for future research related to a disease. The award is \$500 for the graduate student and \$800 for the postdoctoral fellow and is sponsored by the LWIC.

You're invited! Come meet and eat with your fellow physiologists who are working in the corporate sector. The 7th Annual Liaison With Industry Committee Mixer is at EB2007 on Sunday April 29th, 7:00 PM in meeting room 10/11, Renaissance Hotel.



Attend the CNS Section Reception at EB 2007!

Come meet the Erlanger Lecturer, Dr. Eric Kandel, speakers from the Obesity and Central Nervous System symposium and your colleagues in a relaxed, informal atmosphere at the CNS Section Reception. The CNS Section Award Winners for EB 2007 will be honored during this reception. Come join the fun Monday, April 30, 5:30 pm at the Renaissance Hotel (Renaissance West B).

!!!WELCOME NEW CNS SECTION MEMBERS!!!

New members of the CNS Section (Oct. 2006 - Feb. 2007) include: Chiye Aoki, Allison Berg, Lisa Bertetto, Nicole Bies-Hernandez, David Blake, Darrell Brann, Alexander Braun, Justin Buehner, Blair Calancie, Judy Cameron, Aaron Cardon, Jie Chen, Dario Dieguez, Patrick Drew, Dhanvnjaya Gaddam, Joel Geerling, Allan Thomas, Qing Guo, Bilal Haider, Hana Hammad, Michale Hammer, Linda Harley, Leighton Hinkley, Wei-Li Hsu, Erica Hutchins, Chris Jurgens, Youngnam Kang, Loic Lhuillier, Sivagnanasundaram Mahindan, Maureen McCall, Ethan Mohns, Vivian Mushahwar, Teresa Nick, Sukyung Park, Xin Pei, Lucas Pozzo-Miller, Nora Prochnow, Theresa Ray, Jennifer Raymond, Raymond Regan, Odrick Rosas, Matthew Rose, Anna Rozen-Boyn, Moshe Safran, Jose Santiago, D. Max Snodderly, Leandro Solis, Wen-Jie Song, Mu Sun, David Suzuki, Keiji Tanaka, Alia Toro, Nietzell Vazquez-Acevedo, Norma Velazquez-Ulloa, Jun Xie, Binbin Yan, Hermes Yeh

A Message from the CNS Trainee Representative

Dear CNS Section Members,

My name is Lara DeRuisseau and I am your new trainee representative for the CNS Steering Committee. I would like to thank Frank Golder, our former trainee representative, for all of his contributions to the Committee.

Although I cannot pass onto you every resource that APS offers for trainees, I would like to make sure that trainee members are aware of the Trainee Listserv to stay updated of new opportunities. I urge all trainees (students, post-docs, junior faculty, as well as trainee positions in industry and government) to subscribe to the Trainee Listserv. You can subscribe online at <http://www.the-aps.org/committees/trainee/Traineenewsletter.htm> for information on Committee activities, resources, awards/grants, positions available and other issues that are important to trainees.

Please attend the Symposium at EB 2007 sponsored by the Trainee Advisory Committee, entitled "Multiple Career Paths for a Physiologist: Understand your options and how to get there". This symposium will cover topics that were requested by attendees at the Trainee Advisory Committee Symposium at EB 2006. This symposium will be a great resource for trainees and their advisors.

Please feel free to contact me with any questions or suggestions for the Trainee Advisory Committee.

Lara

SUNY Upstate Medical University (deruissL@upstate.edu)

!!!CNS Section Award Winners!!!

Come meet and congratulate the winners at the CNS Mixer on Monday, April 30, 5:30 pm at the Renaissance Hotel (West B)

New Investigator Award:

Colleen Hegg (Michigan State University)

Van Harreveld Award:

Weirong Zhang (University of Texas Health Science Center at San Antonio)

Research Recognition Award:

Yumei Feng (Louisiana State University Health Sciences Center)

Safraaz Mahamed (University of Wisconsin)

Daniela Sartor (University of Melbourne)

The Van Harreveld Award was established in 1989, from funds donated from the Van Harreveld family. The CNS Section Steering Committee has increased the monetary value of the Award from \$300 to \$500 (using interest earned on this account) and would like to ensure that this Award can be made for many years to come. In order to accomplish these goals, it is important that we increase the resources in the restricted account set up by the APS Business Office to fund this Award. Contributions to this account are tax-deductible, and monies in this account are used only for the Award. If you are interested in supporting the Van Harreveld Memorial Award, please make a check payable to The American Physiological Society and send to the Chair of the CNS Section Steering Committee (contact info on pg. 6). Please indicate Van Harreveld Award on the check. Your generosity is greatly appreciated by the Steering Committee as well as all future Award winners!

Help with Planning of Future APS Meetings

- ◆ Experimental Biology 2008 will be held April 5—9 in San Diego, CA
- ◆ Experimental Biology 2009 will be held April 18—22 in New Orleans, LA
- ◆ Experimental Biology 2010 will be held April 24—28 in Anaheim, CA

Planning is already underway for these meetings. Your help is needed to generate meetings of high interest to CNS Section Members. If you have any suggestions for the Joseph Erlanger Distinguished Lecturer, Symposia, or Featured Topics, contact Ann Schreihofer, Department of Physiology, Medical College of Georgia (email: aschreihofer@mail.mcg.edu).

Help to create the type of EB meeting that you would like to attend!!!



The VIIIth World Congress on Neurohypophysial Hormones "Advances in Vasopressin and Oxytocin: From Genes to Behavior" will be held in Regensburg, Germany from September 18th - 22nd, 2007. At the WCNH 2007, world-leading experts will present their research on vasopressin and oxytocin including:

- Genes and Biosynthesis
- Central and Peripheral Release
- Mechanisms of Action
- Receptor Physiology and Pharmacology
- Electrophysiology
- Neuropeptide Chemistry
- Interaction with HPA Axis and Stress
- Kidney Functions and Water Metabolism
- Cardiovascular Regulation
- Reproduction
- Cognition, Emotionality, Behavior
- Psychopathology

Abstract submission is open.
Deadline May 31, 2007



CONTACT:
wcnh2007@biologie.uni-regensburg.de
www.uni-regensburg.de/wcnh2007

CNS Section Steering Committee:

Chair and SAC Representative

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Term ends: 2010

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Term ends: 2010

Ex-Officio Members

J. Michael Wyss (Former Chair)
Dora E. Angelaki (Journal Representative)
Susan M. Barman (Council Member)
Richard A. Hawkins (Finance)
Bruce G. Lindsey (Long-Range Planning)
Peggy Mason (Publications)
Bernat Kocsis (Awards)
Glenn Toney (Membership)
Beverly Bishop (Senior Physiologists)

Student/Fellow Representatives

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