Spring 2007 Newsletter                Page 1                 APS CNS Sec tion

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”

See Page 2 for More Information Regarding Programming for Neuroscientists

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 Frontiers 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)
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. Schreihofer (Tuesday, 5/1, 10:30am)

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

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)

Spring 2007 Newsletter
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!!!
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 VIIth 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
Section Program Committee (Ex Officio)
William Martin, PhD
Department of Pharmacology
Theravance, Inc.
Email: wmartin@theravance.com
Term ends: 2008

Secretary-Treasurer
Committee-on-Committees Representative
Steve W. Mifflin, Ph.D.
Department of Pharmacology
University of Texas Health Sciences Center
Email: mifflin@uthscsa.edu
Term ends: 2009

Section Program Committee Chair
JPC Representative
Ann Schreihofer, PhD
Department of Physiology
Medical College of Georgia
Email: aschreihofer@mail.mcg.edu
Term ends: 2010

Awards Subcommittee Chair
International Representative
Ida Llewellyn-Smith, Ph.D.
Department of Medicine
Flinders University, Australia
Email: Ida.Llewellyn-Smith@flinders.edu.au
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
Lara DeRuisseau
SUNY Upstate Medical University
Department of Neurosurgery
Institute for Human Performance, #1209
Syracuse, NY 13210
deruissL@upstate.edu
Term ends: 2009

Francis J. Golder, PhD
Department of Comparative Biosciences
University of Wisconsin—Madison
Email: golderf@svm.vetmed.wisc.edu
Term ends: 2007

Section Program Committee
Javier Stern MD PhD
Associate Professor
Department of Psychiatry
University of Cincinnati
Email: javier.stern@psychiatry.uc.edu
Term ends: 2009

Representative, Liaison with Industry Committee
Michael F.A. Finley, Ph.D.
Neurological Disorders
Johnson and Johnson Pharmaceutical
email: mfinley1@prdus.jnj.com
Term ends: 2008