Welcome to Experimental Biology 2004 in Washington, DC!

Attend the Joseph Erlanger Distinguished Lectureship of the Central Nervous System Section

Paul Greengard
The Rockefeller University, New York, NY
“Signal Integration in the Central Nervous System”
Tuesday, April 20th at 10:30 AM

Other Distinguished Lectureships of Interest to Neuroscientists:

Julius H. Comroe, Jr. Distinguished Lectureship of the Respiration Section
Jerome Dempsey, Univ. of Wisconsin, Madison
“Crossing the Apneic Threshold: Causes and Consequences”
SUNDAY, APRIL 18, 10:30 AM

Carl Ludwig Distinguished Lectureship of the Neural Control and Autonomic Regulation Section
Cliff Saper, Harvard Medical School
“A Hypothalamic Integrator for Circadian Regulation”
SUNDAY, APRIL 18, 2:00 PM

Solomon A. Berson Distinguished Lectureship of the Endocrinology and Metabolism Section
Bert O’Malley, Baylor College of Medicine
“Signalling Through the Steroid Receptor Coactivators”
MONDAY, APRIL 19, 2:00 PM

You Can’t Afford to Miss EB 2004 in Washington DC!!

Sunday April 18, 2004

Podium Presentations

Julius H. Comroe, Jr. Distinguished Lectureship of the Respiration Section
Dempsey, “Crossing the Apneic Threshold: Causes and Consequences”

Featured Topic

Johnson and Grippo, “Stress, Mood, and Autonomic Function”

Carl Ludwig Distinguished Lectureship of the Neural Control and Autonomic Regulation Section
Saper, “A Hypothalamic Integrator for Circadian Regulation”

This presentation will be followed by a Symposium “Neural Control of Venous Capacitative Function in Health and Disease”

Featured Topic

Joyner and Sinoway, “Control of Muscle Blood Flow During Exercise”

Symposium

Lohmeier and Brooks, “Do Baroreflexes Play a Role in Long-Term Control of Arterial Pressure?”

Monday April 19, 2004

Podium Presentations

Symposium

March, “Stem Cells and Progenitor Cells: Biology, Physiology, and Therapeutic Applications”

Solomon A. Berson Distinguished Lectureship of the Endocrinology and Metabolism Section
O’Malley, “Signalling Through the Steroid Receptor Coactivators”

Symposium

Seals and Hasser, “Sympathetic-Adrenergic and Baroreflex Function with Aging”

Featured Topic

Goldstein, “Dysautonomias: Clinical Disorders of the Autonomic Nervous System”

Symposium

Duffin, “Functional Connections Among Ponto-medullary Respiratory Neurons”

Poster Sessions

- Cerebral Circulation I
- Central Mechanisms in Control of Blood Pressure and Arterial Pressure
- Intracellular Signaling and Second Messengers
- Control of Breathing: Central Connectivity and Neurotransmission
- Control of Breathing: Rhythm Generation
- Control of Breathing: Development
- Neurotransmission in the Brain
- Neurotransmitters in the Brain: Systems Neurobiology
- Regulatory Peptides
- Genetic Analysis and Model Organisms, Transgenic and Knockouts
- Genetic Models

You Can’t Afford to Miss EB 2004 in Washington DC!!
**Tuesday, April 20, 2004**

**Podium Presentations**
Joseph Erlanger Distinguished Lectureship of the Central Nervous System Section

Greengard, “Signal Integration in the Central Nervous System”

Symposium

Fuller and Golder, “Breathing and Walking Following Spinal Injury”

Symposium

Kramer and Waldrop, “Physical Activity: A Drive for Central Neural Plasticity”

**Poster Sessions**
• Cerebral Circulation II
• Cytoskeleton, Cell Mechanics and Intracellular Trafficking
• Trafficking of Membrane Proteins
• Oxygen Sensing by Neural Tissues
• Control of Breathing: Chemoreception
• Hypoxia: Transmitters and Ion Channels
• Growth Factors and Brain Plasticity
• Stroke and Neuroprotection
• Neural Control of Cardiovascular Function III: Baroreceptor Reflexes and Responses to Hemorrhage
• Neural Control of Cardiovascular Function IV: Cardiac Regulation
• Neural Control of Cardiovascular Function V: Gender Differences, Pregnancy and Development
• Central Autonomic Regulation II: Patterns and Mechanisms of Sympathetic Activity
• Central Autonomic Regulation III: Obesity and Metabolic Regulation
• Circadian and Biological Time Keeping

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**Wednesday, April 21, 2004**

**Podium Presentations**

Symposium


Featured Topic


**Poster Sessions**
• Gene Expression
• Microarrays, Proteomics and Bioinformatics
• Gene Transfer and Therapy
• Obesity and Satiety
• Osmoregulation and Neuroendocrine Control by the Brain
• Neural Control of Cardiovascular Function VI: Reactive Oxygen Species and Oxidative Stress
• Neural Control of Cardiovascular Function VII: Other Neuroactive Messengers
• Neural Control of Cardiovascular Function VIII: Exercise and Conditioning
• Links Between Nitric Oxide and Other Transmitters in Central Cardiovascular Control
• Physiology Genomics of the Respiratory System
• Respiratory-Sympathetic Interactions
• Stem Cell and Cell Development
• Cell-Cell Interactions and Communication

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For more information, or to register for the meeting, see the EB 2004 website: (http://www.faseb.org/meetings/eb2004)
Attend the CNS Section Reception at EB 2004!!!

The CNS Section Reception will be held on **Tuesday, April 20th** from **5:30-6:30 PM** in the **Roosevelt Room** of the **Hyatt Hotel**. Come meet the Erlanger Lecturer, Dr. Paul Greengard, and your colleagues in a relaxed, informal atmosphere. The CNS Section Award Winners for EB 2004 will be honored during this reception.

**EB 2004 Award Winners!**

Kudos to the following scientists in the stages of their careers who will be presented with awards from the CNS Section at EB 2004!!!

**Van Harreveld Award Recipient:**
Hong Zheng, University of Nebraska Medical Center at Omaha

**Research Recognition Award Winners:**
Tracey Baker-Herman, University of Wisconsin at Madison
Sean Stocker, University of Texas Health Sciences Center at San Antonio
Andrea Zabka, University of Wisconsin at Madison

**Proctor and Gamble Award Winner:**
Kim Gerecke, University of Alabama at Birmingham

**New Investigator Award Winner:**
To be announced prior to EB 2004

Please come to the CNS Reception (**Tuesday, April 20th** from **5:30-6:30 PM** in the **Roosevelt Room** of the **Hyatt Hotel**) to congratulate these distinguished scientists yourself!

The Van Harreveld Award was established in 1989, from funds donated from the Van Harreveld family. The CNS Section Steering Committee would like to be able to increase the monetary value of the Award from $300 to $500 (using interest earned on this account) and at the same time assure 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 (**Dr. J. Michael Wyss, Department of Cell Biology, University of Alabama, Birmingham, 1900 University Blvd., Birmingham, AL 35294-0006**). Please indicate Van Harreveld Award on the check. Your generosity is greatly appreciated by the Steering Committee as well as all future Award winners!
EB 2004 Events Sponsored by the APS Liaison With Industry Committee (LWIC)  
(Section Representative: William J. Martin)

The LWIC is sponsoring a Workshop entitled “High Content Biology: Multiplexing in Cell Physiology” at EB 2004 on Monday, April 19 from 3:15-5:15 PM in Convention Center 146A. This workshop will describe novel methods for simultaneous analysis of multiple endpoints in cells and biochemically. The program is as follows:

- “Illuminating erythropoietin receptor signal transduction.” P. Tagari, Amgen Inc.
- “Patterns of phosphorylation as cellular response signature.” R. Zivin, Johnson and Johnson

The Novel Disease Model Award will be granted to a graduate student and a postdoctoral fellow who submit the best abstracts describing a novel disease model for EB 2004. 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. Winners will be honored at the EB 2004 APS Business meeting in Washington, D.C.

You’re invited! Come meet and eat with your fellow physiologists who are working in the corporate sector. The 4th Annual Liaison With Industry Committee Mixer at EB 2004 will be held Monday, April 19th from 5:30-6:30 PM in the Constitution E Room of the Hyatt Hotel.

Help with Planning of Future APS Meetings

- EB 2005, which will be a joint meeting with the IUPS, will be held March 31—April 5, 2005 in San Diego
- EB 2006 will be held April 1—5, 2006 in San Francisco

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 generate meetings that would be optimal for you to attend!!!

Changes in CNS Section Steering Committee

The CNS Section Steering Committee welcomes its newest members, who will be joining the Committee at EB 2004:

- Ann Schreihofer, JPC Representative
- Ida Llewellyn-Smith, International Representative and Awards Subcommittee Member
- Dora Angelaki, Representative for the Journal of Neurophysiology and Programming Subcommittee Member

Ann, Ida, and Dora will be replacing retiring members Reiko Fitzsimonds, Vincent Pieribone, and Eve Marder.
CNS Section Steering Committee:

**Chair and SAC Representative**
J. Michael Wyss, PhD
Department of Cell Biology
University of Alabama at Birmingham
Email: jmwyss@uab.edu
*Term ends: 2006*

**Secretary-Treasurer**
Bill J. Yates, PhD
Department of Otolaryngology
University of Pittsburgh
Email: byates@pitt.edu
*Term ends: 2006*

**JPC Representative**
Ann Schreihofer, PhD
Department of Physiology
Medical College of Georgia
Email: aschreihofer@mail.mcg.edu
*Term ends: 2007*

**Awards Subcommittee Chair**
Hans-Rudolf Berthoud, PhD
Louisiana State University
Pennington Biomedical Research Center
Email: berthohr@pbrc.edu
*Term ends: 2005*

**Representative, Liaison with Industry Committee**
William Martin, PhD
Department of Pharmacology
Merck and Company, Inc.
Email: william_martin@merck.com
*Term ends: 2006*

**Student/Fellow Representative**
Francis J. Golder, PhD
Department of Comparative Biosciences
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Email: golderf@svm.vetmed.wisc.edu
*Term ends: 2006*

**Section Program Committee**
Bernat Kocsis, MD PhD
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Harvard University Medical School
Email: bkocsis@hms.harvard.edu
*Term ends: 2005*

**Section Program Committee**
Dora Angelaki, PhD
Department of Anatomy & Neurobiology
Washington University
Email: angelaki@thalamus.wustl.edu
*Term ends: 2007*

**Section Program Committee**
Timothy McClintock, PhD
Department of Physiology
University of Kentucky
Email: mcclint@pop.uky.edu
*Term ends: 2006*

**Awards Subcommittee**
Aidan Curran, PhD
Department of Physiology
Dartmouth Medical School
Email: aidan.k.curran@dartmouth.edu
*Term ends: 2006*

**Former Chair (Ex-Officio)**
Sue Barman, PhD
Department of Pharmacology
Michigan State University
Email: barman@msu.edu