



FEBRUARY, 2001

NCAR ELECTION!

NCAR will be holding an election to select one new member to the NCAR Steering Committee for a three year term. Ballots will be mailed out to you shortly. Please return them to the Membership Services Department, American Physiological Society, 9650 Rockville Pike, Bethesda, MD 20814-3991. The NCAR Steering Committee thanks everyone who indicated an interest in serving on the committee. This type of interest reflects the high quality of membership that we have in NCAR and the willingness of members to support the section. We hope to offer opportunities in the future to members who want to become more involved in section activities. Remember please take the time to vote!

Opportunities for Research Development are Available from APS

There is an opportunity to obtain support for training in a new area that will enhance your research through the APS Research Enhancement Award. Not many people have applied for this award and APS would like more members to take advantage of this opportunity to open new areas in your research. A description of the award is included below and the information can also be obtained on the APS web page (www.the-aps.org).

Research Career Enhancement Awards

Award: up to \$4,000. Contact: Executive Office. Deadlines: April 15 and October 15

The APS Research Career Enhancement Awards are designed to enhance the career potential of our regular members. The awards can be used to support short-term visits to other laboratories to acquire new specific skills and to support attendance at special courses devoted primarily to methodologies appropriate for both new investigators and more senior investigators entering a new field of research. The recipients will receive up to \$4,000 each to allow individuals in the early phases of their careers to obtain special training or in the later phases of their careers to develop new skills and to retrain in areas of developing interests.

IN MEMORY

Donald Jeffrey Reis

September 9, 1931-November 1, 2000

Donald Jeffrey Reis, Professor of Neurology at Cornell University Weil Medical College, died after a long illness on November 1, 2000. With his passing, the American Physiological Society lost a longstanding member and friend. For nearly forty years Don enriched our scientific environment with stimulating ideas and challenged us at meetings with insightful questions. Through his Laboratory of Neurobiology at Cornell he provided the rich milieu through which many young and aspiring academic scientists would pass. The impact that Don Reis had on the field of cardiovascular and neurophysiology is indeed profound and widely acknowledged among the membership of the American Physiological Society. Therefore, with a desire to develop a perpetual memorial to Don, the American Physiological Society has announced a campaign to develop a fund that will endow a lectureship and award program to be presented annually at the Experimental Biology meeting. The award will be cooperatively administered through the Neural Control and Autonomic Regulation, Central Nervous System, and Cardiovascular Sections. Tax deductible contributions to that fund can be sent to the Donald J. Reis Memorial Fund, c/o The American Physiological Society, 9650 Rockville Pike, Bethesda, MD 20814-3991. Those seeking further information may contact Martin Frank at mfrank@aps.faseb.org, Jeanne Seagard at jseagard@mcw.edu, Susan Barman at barman@pilot.msu.edu, or Kathleen Berecek at berecek@uab.edu.

EXPERIMENTAL BIOLOGY MEETING

MARCH 31-APRIL 4, 2001

ORLANDO, FLORIDA

Many events are planned for the annual Experimental Biology Meeting. These included the Carl Ludwig Distinguished Lecture on Sunday, April 1; a reception and business meeting on Monday, April 2 and breakfast for graduate students and postdoctoral fellows with our distinguished lecturer on Tuesday, April 3. In addition, we have a lot of interesting programming, including one symposium and three featured topics sponsored by NCAR, as well as this year's President's Physiology in Focus Symposia. Details on these events and other areas of interest are presented below. Check your program to get more information on these and other sessions. Make your plans now!

Carl Ludwig Distinguished Lecturer 2001 **William C. de Groat, Ph.D.** **Sunday, April 1, 2001** **Orlando Convention Center, Room 311 C/D**

The **Carl Ludwig Distinguished Lecture** at Experimental Biology 2000 will be given by William C. de Groat, Ph.D. This lectureship is named in honor of Carl Ludwig in recognition of his many and important contributions to understanding autonomic regulatory mechanisms. The lectureship is sponsored by the Neural Control and Autonomic Regulation Section of the American Physiological Society.

The title of Dr. de Groat's lecture will be "PLASTICITY IN SACRAL AUTONOMIC REFLEX PATHWAYS DURING POSTNATAL DEVELOPMENT AND AFTER NEURAL INJURY." Dr. de Groat is Professor of Pharmacology at the University of Pittsburgh and is interested in the autonomic nervous system and neural regulation of pelvic visceral functions. Current studies focus on the reflex control of the urogenital tract and mechanisms underlying transmission at central and peripheral autonomic synapses. These experiments are designed to examine (1) the neurotransmitters in reflex pathways, (2) neuroplasticity during postnatal development or following neural injury, (3) the neural pathways responsible for the detection of visceral pain, and (4) the actions of drugs used to treat urogenital dysfunction. Experiments are conducted on a variety of preparations from intact animals to isolated tissues, like spinal cord slices and disassociated neurons. His lecture promises to be outstanding.

Dr. de Groat will attend the **NCAR Reception/Business meeting on Monday, April 2, at 6:30 pm in the Peabody Hotel, Plaza Ballroom G**. Please attend and use this opportunity to meet Dr. de Groat and mingle with other NCAR members. He will also attend an informal **breakfast with students and postdoctoral fellows on Tuesday, April 3, at 7:00 am in the Fairview Room at the Peabody Hotel**. This will be a unique opportunity for young investigators to interact in an informal way with one of the leaders in our field. Please plan to attend the lecture and the meetings with Dr. de Groat.

NCAR BUSINESS MEETING AND RECEPTION FOR THE DISTINGUISHED LECTURER

April 2, 6:30 PM

Plaza Ballroom G, Peabody Hotel

Everyone is invited to the NCAR reception on Monday evening. This will be your chance to meet with the distinguished lecturer and mingle with other NCAR members. We will have a short business meeting and announce the winner of the election for steering committee seat, as well as our Brody and Young Investigator Award winners. Please make plans to attend!

Students and Postdoctoral Fellows Meet the Distinguished Lecturers

All students and postdoctoral fellows are invited to an informal breakfast with **Dr. de Groat** on Tuesday morning, 7:00 am, in the Fairview Room at the Peabody Hotel. Another opportunity has been offered to our trainees this year. All students and postdoctoral fellows have been invited to attend a lunch on Monday, April 2, with **Geoff Burnstock, Ph.D.**, who will be presenting the Horace W. Davenport Distinguished Lectureship of the Gastrointestinal Section entitled "Purinergic Signaling in the Gut". Everyone who is interested should RSVP Helen Raybould, Ph.D., chair of the GI Section, at heraybould@ucdavis.edu. This is an opportunity to meet another outstanding individual who is involved in neurophysiological research. Please take advantage of these chances to talk to our distinguished lecturers!

SPECIAL WORKSHOP/SYMPOSIUM

How to Write, Review, and Publish in APS and ASPET Journals.

All the best efforts at the laboratory bench will be wasted if you cannot properly communicate the results of your research in the form of a high quality scientific publication. The APS Women in Physiology Committee and the ASPET Committee on Women in Pharmacology are co-organizing a Workshop designed to mentor young scientists of both genders on developing effective tools to be able to write, review, and publish manuscripts in APS and ASPET Journals. The seven panelists will draw on their experiences as Editors/Associate Editors of APS and ASPET Journals to provide participants with useful information on scientific writing. You will learn such things as the importance of writing a clear Introduction, the differences between reiterating your results and discussing your data in the Discussion, and what reviewers look for when they read your submitted manuscript. This workshop will use an interactive forum to engage the audience in activities designed to make scientific writing and reviewing an exciting challenge rather than a necessary chore. The target audience is graduate students, postdoctoral fellows, and junior faculty members. The session is scheduled for Sunday April 1 from 9-11 a.m.

NCAR PROGRAMMING AT EB 2001

The Neural Control and Autonomic Section has one full symposium, one co-sponsored symposium and three featured topics at the 2000 Experimental Biology meeting. These and other sessions of interest are described below:

Carl Ludwig Distinguished Lecture

Sunday, April 1, 2:00 PM, Orlando Convention Center, Room 311C/D

"PLASTICITY IN SACRAL AUTONOMIC REFLEX PATHWAYS DURING POSTNATAL DEVELOPMENT AND AFTER NEURAL INJURY

William C. de Groat, Ph.D.

Sponsored Symposia

Tuesday, April 3, 10:15am

THE ROLE OF THE AMYGDALA IN THE PHYSIOLOGY OF EMOTION

Chairs: Ralph Adolphs and William Talman, M.D.

Tuesday, April 3, 3:15 PM

NEUROHUMORAL CONTROL OF THE NORMAL AND DISEASED HEART

Chair: Jeffrey Ardell

Co-sponsored by CV and NCAR Sections

Sponsored Featured Topics

Sunday, April 1, 8:00am

THE EMERGING NEUROBIOLOGY OF OBESITY: AUTONOMIC AND CARDIOVASCULAR IMPLICATIONS

Chair: Allyn Mark

Tuesday, April 3, 8:00am

NEURAL CONTROL OF RENAL FUNCTION

Chair: Simon C. Malpas

Wednesday, April 4, 8:00am

AUTONOMIC AND CARDIOVASCULAR REGULATION: FOCUS ON NOCICEPTIN AND OPIOID PEPTIDES

Chair: Daniel Kapusta

Special Lectures: **PHYSIOLOGY InFOCUS: NEUROTRANSMITTERS IN CARDIOVASCULAR REGULATION**

Organized by: Gerald F. DiBona, University of Iowa

Sunday, April 1, 10:15 AM

NEUROTRANSMITTERS IN CARDIOVASCULAR REGULATION: Angiotensin
Roger Dampney

Sunday, April 1, 3:15 PM

NEUROTRANSMITTERS IN CARDIOVASCULAR REGULATION: Glutamate
Frank Gordon

Monday, April 2, 10:15 AM

NEUROTRANSMITTERS IN CARDIOVASCULAR REGULATION: Nitric Oxide
David Bredt

Monday, April 2, 3:15 PM

NEUROTRANSMITTERS IN CARDIOVASCULAR REGULATION: GABA
Alan Sved

Special Workshop/Symposium: APS PUBLIC AFFAIRS COMMITTEE

Saturday, March 31, 1:00-5:00 PM

A CALL TO ACTIVISM: COMMUNICATING ABOUT SCIENCE
Chair: William Talman

Special Workshop/Symposium: WOMEN IN PHYSIOLOGY COMMITTEE

Sunday, April 1, 9-11:00 AM

HOW TO WRITE, REVIEW, AND PUBLISH IN APS AND ASPET JOURNALS
Susan Barman

**YOU CAN DETERMINE
NCAR PROGRAMMING FOR THE FUTURE**

Programming for the EB meeting continues to be entirely in the hands of the sections. It is our responsibility to ensure that we have high quality programming. We need your help in this most important function of your section. This is your opportunity to organize a great program around your primary research interest. NCAR will likely program 3-4 featured topic sessions and one symposium for EB 2002. Additionally, the viability of NCAR as an APS section will depend on the quality of its programming at EB meetings. The stature and influence of NCAR within APS will rise or fall as a function of the quality and success of its programming. Please mail, FAX, or e-mail your ideas for featured topics or symposia to our program representative, Alan Sved (sved@bns.pitt.edu). We will need programming for future meetings, as well as EB 2002.

**FUTURE CARL LUDWIG DISTINGUISHED
LECTURERS**

Each section has a Distinguished Lectureship, which is given each year at the EB meeting. The NCAR Distinguished Lectureship is the Ludwig Distinguished Lecture. This is a major focus of programming for the section. In addition to giving the lecture, the individual who is chosen also is asked to participate in several section activities, including an informal breakfast with students and postdocs. We are very interested in input from members of the section regarding who is chosen. Please contact any steering committee member with your suggestions for this distinguished lecturer for 2002 or future years.

NEURAL CONTROL AND AUTONOMIC REGULATION SECTION COMMITTEES

Steering Committee:

Chair

Jeanne L. Seagard, Ph.D. - 2003
Dept. of Anesthesiology and Physiology
Medical College of Wisconsin
Research Service 151, VA Medical Center
5000 West National Avenue
Milwaukee, WI 43295
Phone: 414-384-2000 x41589
Fax: 414-645-6550
E-mail: jseagard@mcw.edu

Past Chair

Eileen M. Hasser, Ph.D. - 2001
John M. Dalton Cardiovascular Research Center
University of Missouri-Columbia
134 Research Park
Columbia, MO 65211
573-882-6125
E-mail: hassere@missouri.edu

Representative to Joint Program Committee

Frank J. Gordon, Ph.D. - 2001
Dept. of Pharmacology
Emory University School of Medicine
Room 5011
Rollins Research Building
Atlanta, GA 30322-3090
Phone: 404-727-5893
Fax: 404-727-0365
Email: fgordon@emory.edu

Section Program Committee

Alan F. Sved, Ph.D. - 2003
Department of Neuroscience
University of Pittsburgh
446 Crawford Hall
Pittsburgh, PA 15260-0001
412-624-6996
Fax: 412-624-9198
E-mail: sved@bns.pitt.edu

Representative to Committee-on-Committees

Gregory D. Fink, Ph.D. - 2003
Department of Pharmacology and Toxicology
Michigan State University
East Lansing, MI
48824-1317
517-353-4648
Fax: 517-353-8915
E-mail: finkg@pilot.msu.edu

Member-at-Large

William T. Talman, Ph.D. - 2002
Department of Neurology
University of Iowa Hospital
200 Hawkins Drive
Iowa City, IA 52242-9576
Phone: 319-356-8750
Fax: 319-356-4505
E-mail: william_talman@uiowa.edu

Industry Liaison

Bryan F. Cox, Ph.D.
Department of Integrative
Pharmacology
Abbott Labs
D-46R AP9
100 Abbott Park Rd
Abbott Park, IL 60064-6119
847-935-4174
Fax: 847-938-5286
E-mail: bryan.f.cox@abbott.com

Section Program Committee:

(Consists of the steering committee and other members)

Chair: Frank Gordon

Members:

Jeanne Seagard
Eileen Hasser
Alan Sved
Gregory Fink
William Talman
Bryan Cox
Robin L. Davisson, Ph.D.
Department of Anatomy and Cellular Biology
University of Iowa
1-570 BSB
Iowa City, IA 52242
319-335-8094
Fax: 319-335-7198
E-mail: robin-davisson@uiowa.edu