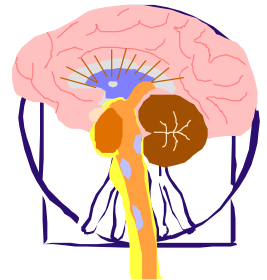


Neural Control and Autonomic Regulation Section

NEWSLETTER



March, 2004

Carl Ludwig Distinguished Lecture

"A Hypothalamic Integrator for Circadian Regulation"



Dr. Clifford B. Saper
Harvard Medical School

Sunday, April 18,
2:00 pm

The **Carl Ludwig Distinguished Lecture** at Experimental Biology 2004 will be given by **Dr. Cliff Saper** of Harvard Medical School. 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.

Dr. Saper is the James Jackson Putnam Professor of Neurology and Neuroscience and Chairman of the Harvard Department of Neurology at Beth Israel Deaconess Medical Center. Dr. Saper is also Editor-in-chief of the *Journal of Comparative Neurology*. Dr. Saper has received a Javits Neuroscience Investigator Award from the National Institutes of Health, and was named one of the 100 most frequently cited neuroscientists by the Institute for Scientific Information.

Dr. Saper's research has explored circuitry of the brain that controls basic functions such as wake-sleep cycles, brain responses to immune stimulation including thermoregulation and fever, regulation of feeding and body weight, and the brain's control of the cardiovascular and respiratory systems. All of these basic functions are linked by their reliance upon circadian as well as homeostatic drives, and all of them interact with one another and are integrated with ongoing behavior by the hypothalamus. Dr. Saper's most recent work has focused on the identification of a circadian integrator in the hypothalamus, which allows flexibility of timing of these behaviors.

Dr. Saper will also attend the **NCAR Reception** on Monday, April 19, at 6:30 pm in the Hyatt Franklin Square Room. Please attend and use this opportunity to meet Dr. Saper and mingle with other NCAR members.



Experimental Biology 2004

Saturday, April 17 — Wednesday, April 21 • Washington, DC

Many events of potential interest to NCAR members are planned for the annual Experimental Biology Meeting. These include the **Carl Ludwig Distinguished Lecture on Sunday, April 18 (2:00 pm)** and a **NCAR Reception and Business Meeting on Monday, April 19 (6:30 pm)**. Also, an NCAR member, Robin Davisson, has been selected for the Henry Pickering Bowditch Award and will present the award lecture on Sunday April 18 (5:45 pm). In addition, we have a one symposium and three featured topics sponsored by NCAR.

Carl Ludwig Distinguished Lectureship

A hypothalamic Integrator for Circadian Regulation, Cliff Saper, Harvard Medical School,
Sunday, April 18, 2:00-3:00 pm, Room 146B

NCAR Sponsored Symposium

Neural Control of Venous Capacitance Function in Health and Disease, Chaired by Greg Fink
Speakers: J. V. Tyberg, A. Shoukas, C.C. Pang and G.D. Fink
Sunday, April 18, 3:15-5:15 pm, Room 146B

NCAR Sponsored Featured Topics

Stress, Mood and Autonomic Function, Chaired by A. Kim Johnson and Angela Grippo,
Sunday, April 18, 10:30-12:30, Room 147A

Dysautonomias: Clinical Disorders of the Autonomic Nervous System, Chaired by David
Goldstein, Monday, April 19, 3:15 - 5:15 pm, Room 145B

Links Between Nitric Oxide and other Transmitters in Central Cardiovascular Regulation,
Chaired by William Talman, Tuesday, April 20, 3:15- 5:15 pm, Room 146A

There are so many other sessions of interest to NCAR members scheduled for EB04, that they all can't be listed in this news letter. A sampling is included below, but a more complete list can be found on the APS website, at <http://www.the-aps.org/meetings/eb2004/program.htm>

Partial list of other EB sessions of interest to NCAR members:

Special Lectures

Henry Pickering Bowditch Award Lecture: Robin Davisson “*Unraveling Cardiovascular Disease Through Physiological Genomics*” Sunday April 18, 5:45 pm Room 146A

Joseph Erlanger Distinguished Lecture (CNS Section): Paul Greengard “*Signal Integration in the Central Nervous System*” Tuesday April 20, 10:30 am Room 146A

Symposia

Do Baroreflexes Play a Role in Long-Term Control of Arterial Pressure, Chaired by Thomas Lohmeier, Sunday April 18, 3:15-5:15 pm Room 140A

Sympathetic-Adrenergic and Baroreflex Function with Aging, Chaired by Douglas Seals Monday April 19, 8:00-10:00 am, Room 146C

Functional Connections Among Ponto-medullary Respiratory Neurons. Chaired by James Duffin Monday April 19, 3:15-5:15 pm, Room 147B

Physical Activity: A drive for central neural plasticity, Chaired by Jeffery Kramer and Tony Waldrop Tuesday April 20, 3:15-5:15 pm, Room 146CB

Featured Topics

Oxygen Sensing by Neural Tissue, Chaired by Jay Dean Sunday April 18, 8:00-10:00 am, Room 140B

New Insights into Osmoregulation by the Brain, Chaired by Sladek and Schreihofner Wednesday April 21, 8:00-10:00 am, Room 147A

The Respiratory-Sympathetic Dance: Who Leads and Who Follows, Chaired by Steve Mifflin Wednesday April 21, 10:00-13:30, Room 146B

NCAR Programming for Future EB Meetings

This is the time of year when the NCAR Steering Committee is usually busy with proposals from the NCAR membership for Featured Topics and Symposia for the next EB meeting. However EB in 2005 will be joint with the IUPS meeting, and the IUPS is organizing the program. Still, it is not too early to start thinking about EB 2006! Please start forwarding your ideas for future Symposia and Featured Topics to the NCAR Steering Committee.

NCAR Steering Committee Election

One member of the NCAR Steering Committee will be completing their 3-year term this year. Thus, we need to elect one new member to the steering committee. Nominations should be sent to Patrice Guyenet (pgg@virginia.edu), NCAR Secretary-Treasurer, no later than April 12, 2004. Nominations should include a brief statement (less than 100 words) indicating why the nominee wants to serve on the NCAR Steering Committee. The Steering Committee will meet just prior to the EB meeting and select the top nominees to be included on an election ballot; these nominees will be announced at the NCAR Reception on Monday April 19. Election ballots will be distributed to members shortly after the EB meeting. If you have any questions regarding the NCAR Steering Committee, please consult the NCAR section of the APS website or contact Alan Sved (sved@bns.pitt.edu) or any member of the steering committee.

The current members of the steering committee (and the year their term ends):

- Alan Sved, Chair (2006)
- Jeanne Seagard, Past Chair (2006)
- Patrice Guyenet (2004)
- Robin Davisson (2005)
- Ann Bonham (2006)
- Chet Ray (2006)
- Robert McCall, Industry Liaison (2005)
- Angela Grippo, Trainee Representative (2005)

NCAR BUSINESS MEETING AND RECEPTION FOR THE DISTINGUISHED LECTURER Monday, April 19, 6:30 PM Hyatt, Franklin Square Room

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 winners of our section awards, including the Michael J. Brody Award, the NCAR Research Recognition Awards, and the NCAR New Investigator Award. [Please make plans to attend!](#)



2004 FASEB Summer Research Conferences
“Neural Mechanisms in Cardiovascular Regulation”
July 24, 2004 – July 29, 2004
Snowmass Village, Colorado

Meredith Hay, Organizer
Alan Sved, Co-Organizer

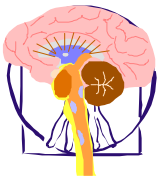
The 9th meeting in this series that started in 1982 will be held in Snowmass Village Colorado this summer. The Session Topics include:

- **Brain Mechanisms and Osmoregulation**
- **Body Fluid Regulation and Cardiovascular Disease**
- **Corticosteroids in Central Regulation of Cardiovascular Function**
- **Sex Steroids in Central Regulation of Cardiovascular Function**
- **Respiratory Challenges and Neural Control of the Circulation**
- **Sleep Apnea and Central Cardio-Respiratory Integration**
- **Exercise Conditioning and Cardiovascular Regulation**
- **Cardiovascular Regulation in the Challenges of Thermoregulation and Energy Balance**
- **Psychological Stress and Cardiovascular Regulation**

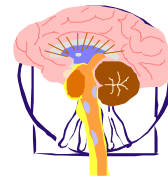
The entire program can be viewed at the conference website (<http://src.faseb.org/>).

Registration will open sometime very soon. **STUDENTS AND POSTDOCS ARE ENCOURAGED TO SUBMIT ABSTRACTS AND ATTEND.** Student and postdoc attendance is very important. For each session, three students/postdocs submitting abstracts relevant to the session topic will be selected to give a 10 minute oral presentation of their poster/abstract. These will be selected prior to the meeting from the submitted abstracts.

For more information, check out the website (<http://src.faseb.org/>) or contact Meredith Hay (HayM@missouri.edu) or Alan Sved (sved@bns.pitt.edu)



NCAR Trainee Page



Message from the Trainee Representative

Angela J. Grippo, Postdoctoral Fellow

Welcome to the inaugural NCAR Trainee Page! As the current trainee representative for the NCAR Steering Committee, I am happy to be representing the trainee contingent of NCAR members, so please contact me with issues you wish for us to address! We have developed this section of the NCAR Newsletter to address issues that are directly relevant to graduate students, postdoctoral fellows, and other trainees in NCAR.

Trainee-Related Sessions to See at Experimental Biology

Poster Session- Graduate Student Highlights in Respiratory Physiology

Monday, April 19th, 5:30-7:30pm, room 146C

Symposium- Planning a Successful Postdoctoral Experience: A Proactive Approach

Monday, April 19th, 5:45-7:45pm, room 145A

Symposium- Life After the Ph.D.: Finding a Postdoctoral Fellowship

Tuesday, April 20th, 8:00-10:00am, room 145A

Experimental Biology Pre-Conferences

National Postdoctoral Association Second Annual Meeting

April 16th-17th, AAAS Conference Center. Visit http://www.nationalpostdoc.org/annual_meeting/ for more information

National Academies Second Convocation on Enhancing the Postdoctoral Experience

April 15th, National Academies Main Building. Visit <http://www7.nationalacademies.org/postdoc/> for more information

Don't Forget the NCAR Reception!

Our annual NCAR reception will be Monday, April 19th, 6:30pm, Hyatt Franklin Square Room. This is a great opportunity to meet our distinguished lecturer, Dr. Cliff Saper, and to mingle with other members of the NCAR section. The winners of NCAR section awards will also be announced. We look forward to seeing you there!

NEURAL CONTROL AND AUTONOMIC REGULATION SECTION STEERING COMMITTEE

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