

# The American Physiological Society

## Membership Services

9650 ROCKVILLE PIKE \* BETHESDA, MARYLAND 20814-3991  
301-530-7171 - FAX 301-571-8313 - members@aps.faseb.org



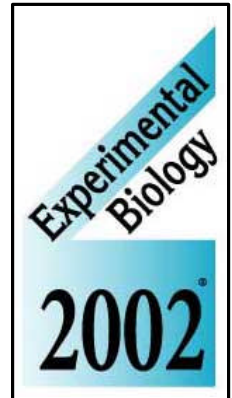
## NEWSLETTER

### WATER AND ELECTROLYTE HOMEOSTASIS SECTION

October 2001

#### News from the Chair

Once again, the Water and Electrolyte Homeostasis Section of APS is in the midst of a busy and productive year. Next year's EB 2002 meeting promises to be very exciting and this newsletter will highlight several pertinent events, issues, and deadlines. First, we congratulate Section members that have assumed major leadership roles in APS. We have the honor of having Section members serve as both President (John Hall) and Past President (Jerry DiBona). In addition, J. R. Haywood has begun his three-year tenure as Councilor. Unfortunately for our Section, we have had to replace J.R. as our Committee on Committee Representative (see below). Finally, Pontus Persson, our international Steering Committee member, has been chosen as the new Editor of the American Journal of Physiology: Regulatory and Integrative Physiology.



#### Ernest H. Starling Distinguished Lectureship

We are truly honored to have Dr. Richard P. Lifton present the Ernest H. Starling Distinguished Lectureship for 2002. Dr. Lifton is currently Chairman of the Department of Genetics and Professor of Genetics, Internal Medicine, and Molecular Biophysics and Biochemistry at Yale University. His work has focused on the molecular genetics of cardiovascular and renal disease. His primary interest has been identification of gene mutations that alter blood pressure in humans. His laboratory has discovered mutations in several genes that raise blood pressure and in several other genes that lower blood pressure. All of these genes alter blood pressure by influencing sodium reabsorption, demonstrating the critical role of the kidneys in long-term regulation of blood pressure in man. The title of Dr. Lifton's lecture is "Genetics, the Kidney and Hypertension." This lecture will be presented on Tuesday, April 23, at 9:00 AM in New Orleans, LA, site of EB 2002. Dr. Lifton will also attend our annual business meeting/luncheon where he will receive his award and meet with students, fellows, and section members.



## **Young Investigator Award in Regulatory and Integrative Physiology**

The Young Investigator Award in Regulatory and Integrative Physiology was established to encourage young investigators to continue research careers in regulatory and integrative physiology. The award is presented annually at the business luncheon of the WEH section to a young investigator (less than 40- years old) who has made important contributions to our understanding of the integrative aspects of cardiovascular, renal and neuroendocrine physiology in health and disease. The award will consist of \$500 and free registration to EB 2002. The recipient of this award will present a short lecture on his/her research during the scientific sessions of EB. Additionally, as of this year, this awardee will be invited to publish a manuscript on his/her lecture in the *American Journal of Physiology: Regulatory and Integrative Physiology*. We thank the current Editor, Pontus Persson, for supporting this initiative. Last year's recipient of this award, Christine Schnackenberg, has submitted a paper entitled "Physiological and Pathophysiological Roles of Oxygen Radicals in the Renal Microvasculature." Her manuscript is currently under review and is expected to appear in the Journal in the near future.

Applications for this award will be reviewed by the WEH Steering Committee and should include a curriculum vitae of the nominee, a one-page summary of the research contributions of the nominee, a complete list of publications, and two letters of nomination from members of APS. Once again, we are grateful to GlaxoSmithKline Pharmaceuticals for their generous support of this award and to David P. Brooks for help in obtaining this support. **Please send nominations and supporting documents to Tom Lohmeier by December 31, 2001.**

## **EB 2002 Student/Postdoctoral/Junior Faculty Abstract Based-Awards**

The APS will be offering a number of awards for EB 2002 to support travel expenses for students, postdoctorals, and junior faculty. These awards include *The Proctor and Gamble Professional Opportunity Award* (for predoctoral students-a section award), the *Caroline tum Suden/Frances A. Hellebrandt Professional Opportunity Award* (for graduate students and postdoctorals), and *The Water and Electrolyte Homeostasis Section Young Investigator Travel Award* (for predoctoral students, postdoctorals, and junior faculty-a section based award). Information about these awards can be found on the EB 2002 web site or in the Call for Papers. All three awards are for \$500 and the first two include complimentary registration for EB. Please note the deadline for the first two awards is November 7, 2001.

## **Call for Nominations for New Steering Committee Members**

The Chair of the Section Program Committee (Joey Granger) and the Secretary/Treasurer (John Dietz) are in the last year of their positions, and new Section members must be elected by vote of our Section membership. Both positions are three-year terms and nominees must be primary regular members of the WEH Section. The Chair of the Section Program Committee is responsible for developing the WEH Section scientific program for EB. Among the duties of the Secretary/Treasurer are preparation of the newsletter, maintenance of the Sections fiscal records, and the organization of our annual business meeting/luncheon. Please e-mail nominations to **Tom Lohmeier by December 1, 2001.**

## **Amendments to the WEH Section Statement of Organization and Procedure (SOP)**

The WEH Section SOP has not been updated in years. To achieve a more balanced representation of our membership that more broadly reflects overall interests, several changes have been proposed to our SOP. First, at the last business meeting at EB 2001 it was proposed and unanimously supported by our membership that the Steering Committee be increased from 4 to 7 members. The three new additions to the Steering Committee include the Past-Chair, and two additional members to be designated as Councilors. All three positions are for three-year terms. The Steering Committee has decided to have last year's ad hoc members Pontus Persson and Christine Schnackenberg serve as our first Councilors. Once their three-year term is completed (they are in year two) future Councilors will be elected by our membership. Second, it has also been proposed that we amend the requirement in Section 3, Article IV of our SOP that indicates the Chair of the Section Program Committee "should have served on the Steering Committee" prior to being elected. Our current Steering Committee feels that all Section members should be given the opportunity to run for this very important position. Further, by completing the election prior to EB, there will be ample opportunity for the new Chair of the Section Program Committee to get exposure to his/her new position (before it officially begins) while attending the Program Committee meeting at EB with the out-going Chair. As this is a proposed amendment to our SOP, it must be voted on by our membership. Further, passage of this amendment requires the approval of two-thirds of a quorum. Members with a PRIMARY affiliation in the Water and Electrolyte Homeostasis Section will find a ballot enclosed with their Fall Newsletter. Please follow the instructions and send the completed ballot to APS as quickly as possible. The Steering Committee recommends you vote to support the amendment.

### **BUSINESS MEETING/LUNCHEON AT EXPERIMENTAL BIOLOGY 2002**

**Sunday, April 21, 2002**

The annual business meeting/luncheon of our Section will be held at *Experimental Biology 2002*. These luncheons are very productive and provide an opportunity for our members to get together in a convivial atmosphere. They also provide a forum for presentation of the Young Investigator and the Distinguished Lectureship Awards, and for students, fellows, and Section members to meet and interact with the Distinguished Lecturer. The Business meeting/luncheon will take place on Sunday, April 21st, 2002 from 12:30 AM - 2:00 PM at the Plimsoll Club (<http://www.plimsoll.com/>). Further details will be provided in the Spring Newsletter.



### **Dates to Remember EB2001**

Meeting Dates: April 20 - April 24, 2002; Abstract Deadline: November 7, 2001; Advanced Registration Deadline: February 12, 2002; Housing Registration Deadline March 8, 2002.

Web site meeting information: <http://www.faseb.org/meetings/eb2002/call/>

# **EXPERIMENTAL BIOLOGY 2002**

## **Water & Electrolyte Homeostasis Section**

**Ernest H. Starling Distinguished Lectureship of the APS**

**Water & Electrolyte Homeostasis Section**

**Tuesday April 23, 2002**

**9 am**

**Richard Lifton, M.D.**

**Yale University School of Medicine**

**Title: Genetics, the Kidney and Hypertension**

### **Water & Electrolyte Homeostasis Section Symposium**

**Sunday April 21, 2002, 10:15-12:15 p.m.**

Role of Endothelin ET<sub>b</sub> Receptors in Cardiorenal Function

Chairs: Gregory D. Fink and Joey P. Granger

### **Water & Electrolyte Homeostasis Section Featured Topics:**

Neural Mechanisms Impacting Sodium Balance and Arterial Pressure in

Hypertension and Heart Failure

Monday April 22, 2002, 10:15-12:15 p.m.

Chairs: Heimo Ehmke and Robert Felder

Invited Presenter: Robert Felder



Applications of Physiological Genomics: the Discovery of Novel Genes for Volume and Pressure Regulation

Sunday April 21, 2002, 3:15-5:15 p.m.

Chairs: Andrew Greene and Jennifer Pollock

Invited Presenter: Andrew Green

Interfacing Molecular and Integrative Physiology of the Kidney: Na Transporters and Channels in Complex Disease Models

Sunday April 21, 2002, 8:00-10:45 a.m.

Chairs: Mark Knepper and Jeff Garvin

Invited Presenter: Mark Knepper

## **Cross-Sectional Symposia**

Translational Research in Preeclampsia and Pregnancy-Induced Hypertension

Wednesday April 24, 2002, 8-10a.m.

Chairs: Raouf A. Khalil and Phyllis August

## **Other Presentations of Interest to Water and Electrolyte Homeostasis Section**

Career Opportunities in Physiology: Taking The Next Step – Francis L. Belloni

Common Brainstem Mechanisms of Cardiovascular and Respiratory Control – W. W. Blessing and J. Michael Wyss

Mechanisms of Estrogen Effects on the Cardiovascular System – David R. Gross

Functional Heterogeneity in the Renal Microcirculation – Lisa M. Harrison-Bernard and Roger D. Loutzenhiser

Refresher Course: Topics in Medical Neurophysiology – Cheryl M. Heesch and Thomas J. Cunningham

Disorders of Sodium Transport and Blood Pressure Regulation – Stuart Linas

Apoptosis and Organ Injury Mechanisms in Hypertension – Geert W. Scmid-Schonbein And Matthew A. Boegehold

Redox Regulation of Vascular Function—Berne Lecture Featured Topic – David Harrison

Microvascular Regulation in Genetic and Acquired E-NOS Deficiency – Akos Koller

Physiological Mechanisms of Neuronal Plasticity in the Mature Nervous System – Eve E. Marder, Brandies and J. Michael Wyss

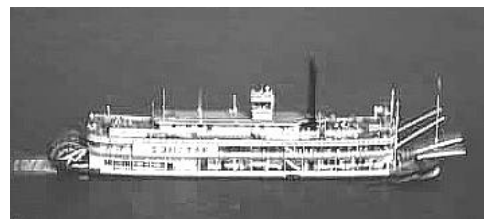
Cardiovascular and Endocrine Control in Mice: a Mouse is not a Small Rat – Marianna Morris

Integration of Volume Regulation and Cardiovascular Function, an Application of Comparative Physiology – Kenneth Olson

Physiological Genomics – Transgenic Models and Gene Regulation – Kenneth W. Gross and Robin L. Davisson

Physiological Genomics - Disease Gene Therapy – M. Ian Phillips and Curt D. Sigmund

Cardiovascular Genomics – Mohan K. Raizada and Kathleen Berecek



## **Other Presentations of Interest to Water and Electrolyte Homeostasis Section** (continued)

Skeletal Muscle Circulation: Neural and Mechanical Determinants-Wiggers Award Featured Topic – Loring B. Rowell

Orthostatic Tachycardia and Hypotensive Syndroms – David Robertson

Chemoreflexes in Health and Disease: Recent Perspectives in Cardiovascular Control – Harold Schultz

Fetal Programming of Post-Natal Cardiovascular Regulation – Jeff Schwartz and Kent Thornburg

Obesity and Cardiovascular Regulation – Allyn Mark and John Hall

The Anterior Hypothalamic Area: Gatekeeper in the Pathogenesis of Salt-Sensitive Hypotension – Suzanne Oparil

Regulation of Vasomotor Tone by Redox Status: Physiological and Pathophysiological Implications – David Harrison

Regulation of the Neurohypophyseal System: Neurotransmitter, Neuropeptide and Steroid Hormone Interactions – Celia Sladek

Sensory Afferents and Cardiovascular Regulation – Donna Wang and Steve Mifflin

Physiology in Perspective – The Walter B. Cannon Memorial Lecture – Allen W. Cowley

The Henry Pickering Bowditch Award Lecture – Control of Renin, from Cell Lysates to the Conscious Dog – Pontus B. Persson

## **SYMPOSIA AND FEATURED TOPIC PROPOSALS**

### **FOR EXPERIMENTAL BIOLOGY 2003**

It is now time to start thinking about the Symposium and Featured Topics ideas for next year. There will be a planning meeting in April to start discussing EB 2003. If you have ideas for a Symposium or Featured Topics sessions, start your planning now for topics and speakers. Symposia will again be in the traditional style of 4-5 major presentations of a theme. The Featured Topic will also be organized along a theme. However, there will be one or two 30-min. presentations combined with shorter oral presentations (usually 10 minutes) chosen from the submitted abstracts. These presentations will again be presented as both posters and oral presentations. Please provide the following information with your suggestion:

1. Major Topic and brief description of the importance of the topic.
2. For Symposia, the speakers to be included and a brief description of their presentations.

3. For Featured Topics, a brief description of the session topic and identification of the featured speaker(s).

Please send your topics to **Joey P. Granger** @ [jgranger@physiology.umsmed.edu](mailto:jgranger@physiology.umsmed.edu) by January 15, 2002. You will be contacted by late June concerning the status of your proposals.

### **SIGN UP FOR THE WEH SECTION LISTSERV**

The quickest way to receive the newsletter and other information from the Water and Electrolyte Homeostasis Section (WEHSEC) is to sign up for the appropriate APS ListServ:

<http://www.the-aps.org/>

You will need to log in to “Member Services”, then click on “APS ListServ” and follow the directions to subscribe.

### **Committee on Committees and APS Committees**

In response to your recommendations, the Steering Committee has chosen Michael Brands to replace J. R. Haywood as our Section Committee on Committees Representative. Mike is in the Department of Physiology at the Medical College of Georgia.

The APS provides the membership with numerous opportunities to get involved with the Society. One way is by serving on APS Committees. Our Committee on Committees representative makes recommendations to Council for APS committee appointments. This process begins with your nominations of Section members for APS committees. A listing of the various committees and a nomination form can be found on the APS web site. A nomination form is also included in this newsletter. Do not be reluctant to nominate yourself. If you have any questions, please contact Mike Brands. Nominations for APS committee appointments should be sent to Mike by December 1, 2001.

The Committee on Committees made recommendations to Council for approval at the Summer Council meeting. Appointments will start in January 2002. There are 20 Primary Regular Members of the WEH Section serving on APS committees. We are also well represented on FASEB committees with two appointments (Paula Papanek, AAAS; Davis Manning (FASEB Finance)).

Congratulations to our new appointments to APS committees:

Career Opportunities in Physiology: Deborah Scheuer

Communications: Greg Fink

Finance: Thomas Herzig

Long-Range Planning: Carmen Hinojosa-Laborde

Porter Physiology Development: Terry Thrasher

Public Affairs: Alan Kim Johnson

Women in Physiology: Maggie Alonso-Galicia

Liaison with Industry: Christine Schnackenberg

## Water and Electrolyte Homeostasis Section Steering Committee

Thomas E. Lohmeier, PhD (**Chair and SAC Representative**)

Department of Physiology & Biophysics  
University of Mississippi Medical Center  
2500 North State Street  
Jackson, MS 39216-4505  
Phone: 601-984-1822  
Fax: 601-984-1817  
Email: [tlohmeier@physiology.umsmed.edu](mailto:tlohmeier@physiology.umsmed.edu)  
Term ends: 2003

John Dietz, Ph.D. (**Secretary-Treasurer**)

Department of Physiology and Biophysics  
University of South Florida College of Medicine  
MDC Box 8  
Tampa, FL 33612  
Phone: 813-974-1548  
Fax: 813-974-3079  
E-mail: [jdietz@hsc.usf.edu](mailto:jdietz@hsc.usf.edu)  
Term ends 2002

Joey P. Granger, PhD (**JPC Representative**)

Department of Physiology & Biophysics  
University of Mississippi School of Medicine  
2500 North State Street  
Jackson, MS 39216-4505  
Phone: 601-984-1801  
Fax: 601-984-1817  
Email: [jgranger@physiology.umsmed.edu](mailto:jgranger@physiology.umsmed.edu)  
Term ends 2002

Michael W. Brands, Ph.D. (**Committee on Committees**)

Dept. of Physiology, Medical College of Georgia  
1120 Fifteenth St. (CL-3132)  
Augusta, GA 30912  
Phone: 706-721-9785  
Fax: 706-721-7299  
Email: [brandsmcg@aol.com](mailto:brandsmcg@aol.com)  
Term Ends: 2005

Ronald H. Freeman, Ph.D. (**Past Chair**)

Department of Physiology  
University of Missouri School of Medicine  
Columbia, MO 65212-0001  
Phone: 573-882-8163  
FAX: 573-884-4276  
E-mail: [freemanr@health.missouri.edu](mailto:freemanr@health.missouri.edu)

Pontus B. Persson, M.D. (**Councilor**)

Department of Physiology  
Humbolt University  
Tucholsky Strasse 2  
Berlin D-10117 Germany  
Phone: 49 30 2802 6660  
FAX: 49 30 2802 6662  
Email: [Pontus.persson@charite.de](mailto:Pontus.persson@charite.de)

Christine G. Schnackenberg, Ph.D. (**Councilor**)

GlaxoSmithKline  
Dept. of Renal and Urology Research  
UW2521, Box 1539  
709 Swedeland Road  
King of Prussia, PA 19406  
phone: 610-270-5658  
fax: 610-270-5681  
email: [Christine\\_G\\_Schnackenberg@gsk.com](mailto:Christine_G_Schnackenberg@gsk.com)

Proposed Committee \_\_\_\_\_  
Nominee's Last Name \_\_\_\_\_  
Section Affiliation \_\_\_\_\_  
Date \_\_\_\_\_

**Nomination Form for  
APS Committee Appointments**  
(Use this form for yourself or another individual)

NAME OF NOMINEE \_\_\_\_\_  
First Middle Last

POSITION/TITLE \_\_\_\_\_

MAILING ADDRESS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

TELEPHONE NO.: \_\_\_\_\_ FAX NO.: \_\_\_\_\_

E-MAIL ADDRESS \_\_\_\_\_

Is the nominee an APS member who actively participates in APS meetings?

Have you personally verified that the nominee is willing to devote the time and effort to carry out the Committee's charge?

What special expertise qualifies the nominee for the Committee specified above?

With which Section is the nominee affiliated?

NOMINATOR (please print) \_\_\_\_\_

NOMINATOR's  
INSTITUTION \_\_\_\_\_

ADDRESS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*Mail completed form to:*  
American Physiological Society  
9650 Rockville Pike, Room 4402  
Bethesda, MD 20814-3991  
Telephone: 301-530-7165  
Fax: 301-571-1814

\_\_\_\_\_  
Signature