

The American Physiological Society

Membership Services



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NEWSLETTER

WATER AND ELECTROLYTE HOMEOSTASIS SECTION

March 2004

News from the Chair - *Joey Granger*

Final plans for the EB 2004 meeting on April 17-21, 2004 are in progress. The meeting in Washington D.C. promises to be very exciting and this newsletter highlights several pertinent events. Thanks to the efforts of WEH members, our section will be sponsoring a record number of symposia at EB 2004. Moreover, we have a record number of abstracts submitted to WEH sponsored featured topics and poster sessions at EB 2004. I encourage all members to attend our annual business meeting and luncheon that will be held on Sunday, April 18, 2004 (see details below). The agenda for our business meeting will include committee reports from the WEH steering committee chairs and presentation of WEH section awards. The annual business meeting and luncheon provides an opportunity for students, fellows, and section members to meet the Distinguished Lecturer-Dr. Christopher Wilcox, the recipient of the Young Investigator Award-Dr. Volker Vallon, and the APS Recognition and Proctor and Gamble awardees.

Business Meeting Luncheon

Sunday, April 18, 2004 - Tony Cheng Mongolian Restaurant, Washington D.C.

Our annual business meeting and luncheon will be held on Sunday, April 18, 2004, from 12:15-1:45 PM at Tony Cheng Mongolian Restaurant (upstairs in the Seafood Restaurant), 619 H Street, N.W., Washington, DC. The luncheon is an excellent time for our members to interact in an informal atmosphere. It also provides the opportunity for students, fellows, and section members to meet the Distinguished Lecturer, the recipient of the Young Investigator Award, and all other section awardees. During the luncheon, Section awardees will be introduced and presented their awards.



Menu: Everyone will get a sampling of Chinese favorites, including soup, spring rolls, Hunan beef, string beans with chicken, sweet and sour pork, baby shrimp in spicy garlic sauce, shrimp fried rice and fortune cookies.

Tickets: \$15.00 per person (\$5.00 for graduate students). Please purchase tickets by April 5, 2004, by sending a check to Jane Reckelhoff (**checks or P.O. payable to The American Physiological Society**); tickets for the luncheon will be electronic, so make sure to include your email address. One check can be sent for several individuals but the names of each individual must be included. Non-US members can receive a ticket but withhold payment until the meeting by emailing Janie with your firm commitment to attend (jreckelhoff@physiology.umsmed.edu).

Ernest H. Starling Distinguished Lectureship

Dr. Christopher Wilcox will present the Ernest H. Starling Distinguished Lectureship for 2004 on Tuesday, April 20, at 2:00 p.m., Rm 146A at the Convention Center. Dr. Wilcox is the George E. Schreiner Professor of Nephrology and Chief of the Nephrology and Hypertension Division at Georgetown University. He is also Vice Chair of Research and Academic Affairs for the Department of Medicine and Director of the Georgetown Cardiovascular-Kidney Institute. Dr. Wilcox's lecture is entitled: "*Oxidative stress and functional NO deficiency in the kidney: A critical link to hypertension?*" Dr. Wilcox will also attend our annual business meeting/luncheon where he will receive his award.

Ernest H. Starling Distinguished Lectureship of the Water and Electrolyte Homeostasis Section

2003 Friedrich C. Luft, Humboldt University, Berlin
2002 Richard P. Lifton, Yale University
2001 Richard J. Roman, Medical College of Wisconsin
2000 Gerald F. DiBona, University of Iowa
1999 Alan Kim Johnson, University of Iowa
1998 John Hall, University of Mississippi
1997 Jurgen Schnermann, University of Michigan
1996 Allen Cowley, Jr., Medical College of Wisconsin
1995 Pierre Corvol, College de France
1994 John Laragh, Cornell University Medical Center



WEH Section New Investigator Award in Regulatory and Integrative Physiology

The New Investigator Award in Regulatory and Integrative Physiology was established to encourage young investigators to continue research careers in cardiovascular, renal, and neuroendocrine integration. The award is presented annually at the business luncheon of the Water and Electrolyte Homeostasis Section to a new investigator who has made important contributions to our understanding of the integrative aspects of cardiovascular, renal, and neuroendocrine physiology in health and/or disease. The 2004 WEH Section New Investigator awardee is Volker Vallon, M.D. from the University of California-San Diego School of Medicine, Division of Nephrology and Hypertension. Dr. Vallon will present his lecture entitled "*Role of Sgk1 in Na⁺ and K⁺ homeostasis: insights from the knockout mouse*" during the feature topic session "NO, oxygen radicals and lipid mediators in the control of arterial pressure" on Monday, April 19, 8:00-10:00 am in Room 147A in the Convention Center.



The WEH Section New Members Program

The WEH Section will pay the first year registration fee for any individual who wishes to become either a student member or a regular member of APS and designates the WEH Section as their primary affiliation. Simply contact Joey Granger and he will do the rest. While there are many advantages to membership, one especially nice benefit is that all members have access to all APS Online Journals.

APS Committee Nominations -Mike Brands

Thank you to all who put your name in for an APS committee and for those who took the time to fill out endorsement forms. We have excellent nominees for the Porter, Animal Care, Women in Physiology, Industry, Communications, and Public Affairs committees. Because it is difficult to place all nominees in a given year, it is essential that we have a large list of volunteers like this to help ensure the placement of as many section members as possible on committees. The Committee on Committees votes on these assignments at EB, and then the selections are approved, and sometimes modified, by Council, this Summer. If you do not make it this time, don't despair; it often takes a couple of tries to get on, and repeat applicants generally have an advantage. Thanks again, and I'll have an update at our business lunch at EB.

Programming-EB 2004 -Richard Roman

Featured topic: NO, oxygen radicals and lipid mediators in the control of arterial pressure.

Monday, April 19, 800-10 am Convention Center 147A Dr. Wilcox will chair.

The WEH New Investigator awardee is the featured speaker, Dr. Volker Vallon and his title is "*Role of Sgk1 in Na⁺ and K⁺ homeostasis: insights from the knockout mouse*"

Featured topic: Heme oxygenase and the control of renal function and vascular tone.

Wednesday 4/21, 2:45 pm Room 145 Convention Center. Organizer: Nader Abraham.

Featured topic: Hypertensive mechanisms insights from genetic models.

Sunday 4/18, 8am-10 am Convention Center 147b. Featured speaker is Pedro Jose and his title is

"Alterations in the control of proximal tubular function by dopamine contribute to the development of hypertension in man and experimental animals".

Featured topic: Inflammatory mediators and cardio-renal pathophysiology.

Wednesday April 21, 1030-1230 Room 146A Convention Center.

Organizers: David and Jennifer Pollock

Featured speaker is Richard Johnson and his title is "*Inflammation in hypertension: microvascular and renal tubulointerstitial pathophysiology*"

Symposia

"Do baroreceptors play a role in the long term control of arterial pressure?"

Organizer: Thomas Lohmeier. Sunday April 18, 3:15-5:15 pm Room 140 Convention Center.

Speakers include Drs. Lohmeier, David Brooks, John Osborn, Simon Malpas and Terry Thrasher.

"Heme-heme oxygenase-carbon monoxide in the control of cardiovascular and renal function."

Organizers: Alberto Nasjletti and Nader Abraham, Wednesday April 21, 8-10 AM; Ballroom B Convention Center.

Starling Lecture: *"Oxidative stress and functional NO deficiency in the kidney: A critical link to hypertension?"* Dr. Christopher Wilcox. Tuesday, April 20, 2:00 pm Rm 146A Convention Center.

"Metalloproteases and diabetes."

Organizers: Suresh Tyagi and Irving Joshua. Wednesday April 21, 10:30-12:30; Room 145 Convention Center.

APS Special Symposium: "Arthur C Guyton: the man and his science."

Chairs: Joey Granger and Neil Granger.

Tues April 20, 3:15-5:15 pm. (after the Starling Lecture),

Room 146A Convention Center.

The goal of this symposium is to honor Dr. Arthur C. Guyton - the man and his science. Dr. Guyton was a world-renowned leader in the field of cardiovascular research throughout the second half of the 20th century. His unique holistic vision of the interaction of components of the cardiovascular system spawned an army of disciples that spread the systems analysis approach to research laboratories worldwide. Of equal importance, Guyton's *Textbook of Medical Physiology* has been a powerful force in medical education for almost five decades. The sum of his contributions to physiology - as investigator, teacher, and mentor - is beyond calculation. The first phase of Dr. Guyton's distinguished career in cardiovascular research focused on cardiac output and its regulation. These groundbreaking studies emphasized the role of the peripheral vasculature and tissue metabolic need as the key determinants of the prevailing output of the heart. Later, while exploring the regulation of transcapillary fluid exchange and lymphatic flow, Dr. Guyton proposed a revolutionary new concept that the pressure of the interstitial fluid was negative or subatmospheric. In the final phase of his career, he integrated the functions of the heart, vasculature, and the kidney along with the intrinsic, neural, and hormonal mechanisms that modulate their activities into a unified concept of blood pressure regulation. The symposium will begin with a brief introduction by the chair on the life and contributions of Dr. Guyton. Following the introduction, four speakers, Drs John Hall, Allen Cowley, Gabriel Navar, and Harris Granger, will not only discuss the importance of Dr. Guyton's concepts to the field of physiology and medicine, but also how his philosophy continues to impact their own research programs.

From the APS Liaison With Industry Committee (LWIC) -Christine Schnackenberg

The LWIC is sponsoring a Workshop entitled "High Content Biology: Multiplexing in Cell Physiology" at EB2004 on Monday, April 19 from 3:15-5:15 pm. This workshop will describe novel methods for simultaneous analysis of multiple endpoints in cells. The topics of cell signaling, protein translocation, protein phosphorylation cascade, GPCR signaling, as well as genomic mutational analysis will be covered.

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 will be held at EB2004. See the meeting program for date and time.

Dates to Remember EB2005

Web site meeting information: www.faseb.org/meetings/eb2005

Water and Electrolyte Homeostasis Section Steering Committee

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