News from the Chair, David P. Brooks

Your WEH Section Steering Committee has had a busy summer working on your behalf. We initiated an effort to increase the membership of the Section by sending letters to all APS members with no affiliation inviting them to consider joining the Water and Electrolyte Homeostasis Section. In addition, an email was sent to all Section members to encourage them to invite their colleagues, students and trainees who are members of APS to affiliate with the WEH Section. This effort resulted in an 18% increase in members with a primary affiliation in the Section. I would strongly encourage you to continue to help increase our members since it has a direct impact on the vitality of our Section.

Dr. Sean Stocker from the University of Kentucky has completed his term as Trainee Member and we thank him for his outstanding service over the last three years. Dr. Jennifer Sasser from the University of Florida has been appointed to replace Sean and we welcome Jennifer to the Steering Committee (see below for information on Jennifer).

We are delighted to announce that Dr. Pedro Jose will be the 2007 Starling Lecturer. More information on this will be provided in our Spring Newsletter. Nominations are needed for the 2007 New Investigator Award and I would encourage you to submit names with the accompanying materials (curriculum vitae, two nomination letters from APS members and three reprints) online at http://www.the-aps.org/awardapps. The deadline for this is the same as the EB abstract deadline, November 8th.

I would like to thank Mike Brands for his outstanding efforts as APS Joint Program Committee Representative. It is extremely important that you consider submitting abstracts to the WEH-sponsored categories and these are listed below. In addition we are delighted to announce a New Awards Session to be held on Saturday, April 28th from 4:00 to 5:15 pm. Details of this exciting new initiative can be found below.

The Steering Committee looks forward to seeing you at the Experimental Biology Meeting next year in Washington, DC and especially at the Scientific and Awards Sessions and the Business Meeting and Luncheon (Sunday April 29th).

WEH-Sponsored Sessions at Experimental Biology 2007

FEATURED TOPIC SESSIONS: (abstract presented as an oral and poster)
1221-APS Role of L-Arginine Metabolism in Cardiovascular/Renal Disease
1220-APS Hypertension: Integrated Mechanisms and Sequelae
1222-APS Sex Steroids in Cardiovascular-Renal Physiology

POSTER SESSIONS:
1225-APS Neural control of blood pressure and fluid volume homeostasis
1223-APS Control of renal function and blood pressure in metabolic syndrome and diabetes
1226-APS Renin-angiotensin system in regulation of blood pressure and renal function
1224-APS Inflammatory mediators in control of cardiovascular and renal function
1227-APS Water and electrolyte homeostasis
The 8 (eight) WEH sessions to which you should submit your abstract are on page 41 of the Preliminary Program and Call for Abstracts. There are 3 Featured Topics (which means there is a talk in the oral session and a poster in the poster session) and 5 Poster sessions (poster only; counting the featured topics, we actually have 8 poster sessions overall). Note one major addition is a Featured Topic on Hypertension (1220-APS). Again because it is a Featured Topic, all abstracts selected for oral presentation also will have a poster, BUT other abstracts will be programmed in the poster session. This means that you should not shy away from submitting to a Featured Topic because you believe that your abstract may not be put on the oral program. For example, if we have 19 abstracts submitted to 1220-APS, all 19 abstracts will be in the poster session, and 6-8 of those also will be selected for the oral session. This new featured topic could be a very large and interactive poster session, as WEH already is the primary APS section for a large number of Council for High Blood Pressure Research members.

Daily EB 2007 Planner for WEH Sessions

The WEH Distinguished Lectureship (Starling Lecture) was designated as a Plenary Session for 2007, and the time slot (Tuesday, May 1, 2pm-3pm) was assigned by APS. A Full “Day Planner” will be in the Spring Newsletter after all programming is finalized. This schedule of WEH events is included to help you plan your hotel and flights.

Saturday, April 28
4:00-5:15 pm WEH Integrative Systems Biology Trainee Finalist Symposium

Sunday, April 29
10:30-11:30 am CV Section Distinguished Lecturer, Dr. William Sessa
11:45 am -1:00 pm WEH business luncheon and Awards presentations.

Monday, April 30
8:00-10:00 am WEH Featured Topic: Role of L-Arginine Metabolism in Cardiovascular/Renal Disease (1221-APS).
10:30 am-12:30 pm WEH Featured Topic: Hypertension: Integrated Mechanisms and Sequelae (1220-APS).

Tuesday, May 1
2:00-3:00 pm WEH Starling Lecture – Plenary Session, Room 146B

Wednesday, May 2
8:00-10:00 am WEH Featured Topic: Sex Steroids in Cardiovascular-Renal Physiology (1222-APS).
10:30 am-12:30 pm Endocrinology and Metabolism Section Featured Topic: Estrogen and the Cardiovascular System.

APS Research Recognition Awards Applications Now Online

APS Awards may be applied for online at the time of abstract submission. Please see details at the APS website, www.the-aps.org or www.the-aps.org/awardapps.

WEH Trainee Finalist Awards Symposium at EB 2007

The WEH Section traditionally has graded the Trainee Research Recognition Awards based solely on the abstracts. Abstracts will now be graded and named Finalists for the Awards. Student and Post-doctoral Fellow Finalists will present their work in an WEH Sponsored Session, “Integrated Systems Biology”, on Saturday, April 28, 4:00-5:15 pm with a 7 min oral presentation. Data Sciences, Inc (DSI) is co-sponsoring the Awards Symposium with an unrestricted educational grant. The Award winners will be announced at the WEH Business meeting and luncheon on Sunday, April 29, 2007. Please encourage all trainees to check the WEH Awards box when submitting their abstracts and make plans to attend the WEH Finalist Awards Symposium on Saturday, April 28 and WEH Luncheon on Sunday, April 29.
EB 2007 WEH Business Luncheon Sunday, April 29, 2007

Jennifer Pollock, WEH Secretary/Treasurer

Please mark your calendars for the Annual WEH Business Luncheon at EB 2007 that will take place on Sunday, April 29, 2007 at 11:45 am to 1:15 pm at the Zola Restaurant, 800 F Street NW, Washington DC, next to The International Spy Museum. The luncheon cost is $5 for Students and Post-doctoral Fellows and $20 for all other attendees. The WEH Student and Fellow Awardees will be announced at the luncheon. Dr. Pedro Jose, 2007 Starling Lecturer, and the 2007 WEH New Investigator will attend the luncheon and be presented with their awards as well.

2007 WEH New Investigator Award

Nominations are being solicited for the 2007 WEH New Investigator Award ($1,000 plus reimbursement of the advance registration fee) recognizing an outstanding investigator in the early stages of his/her career. Candidates should be meritorious investigators contributing to the area represented by the WEH Section. Nominees should be APS members in good standing and not be above the rank of Assistant Professor or a comparable position in academia or industry. Nominations are received from at least two regular APS members. Candidates will be judged on publications, research related to the WEH Section, and evidence of independence and promise. Although this is not an abstract-based award, awardees are expected to attend EB and make an oral or poster presentation. Please submit names with the accompanying materials online at http://www.the-aps.org/awardapps. The deadline is November 8th. Contact David Brooks for questions.

Liaison with Industry Committee (LWIC)

Christine Schnackenberg, WEH Representative

The LWIC is sponsoring a Symposium entitled "Stem Cells in Physiology and Drug Discovery" at EB2007 on Sunday, April 29th from 10:30 – 12:30. This symposium will describe the latest research on stem cells expansion, use of stem cells in target identification and understanding of signaling pathways, as well as its use in Neurodegeneration diseases. LWIC is also organizing a Translational Symposium entitled “Drug Discovery Efforts for Pain Indications: Ion Channels and GPCRs” at EB2007 on Tuesday, May 1st from 8:00 – 10:00 AM. This symposium will describe novel ion channel and GPCR targets for treating chronic pain. The mechanistic rationale for the target as well as the drug testing strategies to identify novel therapeutics will be discussed.

The Novel Disease Model Award will be granted to a graduate student and a postdoctoral fellow who submit the best abstracts at EB2007 that describe a novel disease model. 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. See the call for abstracts this Fall for application details and in the Spring newsletter.

You’re invited! Come meet and eat with your fellow physiologists who are working in the corporate sector at The 7th Annual Liaison With Industry Committee Mixer at EB2007. Details in the Spring newsletter.

2006-07 Steering Committee At-Large Councilors

The 2006-07 Steering Committee At-Large Councilors are Maggie Alonso-Galicia (not pictured), Tom Cunningham (left), and Dave Mattson (right). Maggie is a Pharmacologist at Merck Research Labs and previously served as the WEH Liaison with Industry Committee Representative. Tom is a Professor in the Dept. of Pharmacology at the University of Texas Health Sciences Center in San Antonio. Dave is a Professor in the Dept. of Physiology at the Medical College of Wisconsin in Milwaukee. The At-Large Councilors will be assisting in the judging of the WEH Research Recognition Award abstracts and in the Trainee Finalists Symposium at EB 2007.
WEH Section Committee on Committees

Jane Reckelhoff, WEH Committee on Committee Representative

It’s time again to **nominate yourself or someone else** to serve on the various standing committees of APS. We try to have WEH represented on all APS committees and have done very well in recent years. There are positions coming available on most of the committees and the charge of each committee is located on the APS website for your information (www.the-aps.org/committees). The specific committees that WEH members need to fill are: Finance, Long Range Planning, Perkins Memorial Fellowship, Public Affairs, Senior Physiologist, and Women in Physiology. For those of you serving on committees already, the following committees also need chairs: Awards, International Physiology Committee, Membership Committee, Perkins Memorial, Porter Physiology Development, and Women in Physiology. If you would like to be considered for chair of the committee on which you currently serve, please let me know as well. **The process for committee nomination includes filling out a Candidate information form and getting an APS member to fill out an Endorsement form.** Both forms can be found at www.the-aps.org/committees/nominate.htm. I will be happy to fill out the endorsement form for anyone who wants to nominate himself or herself.

### 2007 Ernest H. Starling Distinguished Lectureship, Pedro Jose, MD, PhD

We are honored to have Dr. Pedro Jose present the Ernest H. Starling Distinguished Lecture at the 2007 Experimental Biology meeting. Dr. Jose received his MD with honors from the University of Santo Tomas, Philippines and his PhD in Physiology from Georgetown University. Dr. Jose is Professor of Pediatrics and Physiology and Biophysics, and Vice Chair of Pediatric Research at Georgetown University Medical Center. The principal research contributions of Dr. Jose and coworkers is the demonstration of a crucial role of renal dopamine receptors in the pathogenesis of hypertension and the demonstration of the crucial role of variants of G protein-coupled receptor kinase type 4 (GRK4) gene in the causation of essential hypertension in humans. Dr. Jose will also attend our annual business meeting/luncheon on Sunday, April 29 where he will meet with trainees and WEH members.

### Introducing Jennifer M. Sasser, Trainee Member on WEH Steering Committee

Dr. Jennifer Sasser from the University of Florida has been appointed to the WEH Steering Committee as the Trainee Member beginning April 2007. Dr. Sean Stocker, University of Kentucky, has completed his term as Trainee Member and we thank him for his outstanding service over the last three years. Jennifer received her PhD from the Medical College of Georgia with Dr. Jennifer Pollock in 2005. Dr. Sasser is a post-doctoral fellow in the laboratory of **Dr. Chris Baylis** where she is studying the role of the kidney in hypertension and pregnancy. Jennifer has been a student member of APS since 2001 and was previously the Trainee Member of the Animal Care and Experimentation Committee.

### 2007 FASEB Summer Research Conference

Make your plans now to participate in the 2007 FASEB Summer Research Conference on “Renal Hemodynamics: Biomolecular Control Mechanisms Integrating Vascular and Tubular Function”. It is scheduled for July 7-12, 2007 at the Vermont Academy, Saxtons River, VT. The meeting is being organized by William J. Arendshorst, chair (arends@med.unc.edu) and Jeffrey L. Garvin, co-chair (jgarvin1@hfhs.org). Further information will become available through FASEB (www.faseb.org/meetings) or by contacting the chairs.
Experimental Biology 2006 WEH Luncheon

Experimental Biology 2006 WEH Awardees

Joey Granger presenting Thomas Coffman with the 2006 Starling Lecturer Award (left) and Christine Schnackenberg presenting Armin Just with the 2006 WEH New Investigator Award (right).
2006 WEH Trainee Awards presented to:
Carrie Nothcutt (left), Lakshmi Tallam (center), and Radu Iliescu (right)

Thanks to Joey Granger, Past WEH Section Chair, for all his efforts
on behalf of the WEH Section
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2006-07 Steering Committee

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