We look forward to seeing everyone at EB2013 in Boston (April 20-24). The wide range of scientific presentations includes a fine program of renal-related sessions, reflecting both our abstract submissions and the huge effort of Joint Program Committee Representatives Jennifer Pluznick and Paul Welling. The JPC solicits and programs the symposia and featured topics sessions that will attract the interest of Renal Section members. We thank them for their persistent enthusiasm in producing cutting-edge and exciting scientific sessions.

In a few months, Tom Kleyman will complete his 6-year term as Editor-in-Chief of American Journal of Physiology Renal Physiology. On behalf of the renal research community, we thank Tom for his dedicated service. We congratulate Darwin Bell for being named as the new Editor-in-Chief. His term begins on July 1st together with his team of Associate Editors.

Two of our elected officers will be completing 3-year terms as members of the Renal Section leadership: Jennifer Pluznick (Joint Program Committee representative; term ends in December) and Erika Boesen (Secretary; term ends at EB). We thank both for their efforts on behalf of the Renal Section. Congratulations to our new Renal Section Secretary, Minolfa Prieto-Carrasquero (Tulane University, New Orleans) and Joint Program Representative, Pablo Ortiz (Henry Ford Hospital, Detroit), who were elected by the members of the Renal Section. Thanks goes to John Lorenz, chair of the nominating committee, who gave us an excellent slate of candidates. These are important positions for our section; let’s thank them for volunteering their time.

The Renal Section Awards will be presented on April 22nd at the Renal Dinner. The major award winners are: Robert W. Berliner Award: Bill Dantzler; Carl Gottschalk Lecture: Jeff Sands; Young Investigator Award: Alexander Staruschenko. Each awardee’s achievements are detailed below.

### 2013 Berliner Award for Excellence in Renal Physiology

Dr. William H. Dantzler

Dr. William Dantzler is the 2013 Robert W. Berliner Awardee. Bill is an outstanding physiologist who has served in major leadership roles within the APS, including APS President and Chair of the Renal and the Water and Electrolyte Sections. After graduating from Princeton, Bill received his M.D. from Columbia University in 1961, and his Ph.D. in Zoology from Duke in 1964. At Duke he worked in the laboratory of Dr. Bodil Schmidt-Nielsen, who was the ideal mentor to foster Bill’s research and teaching career. He went directly from her laboratory to an Assistant Professorship in the Pharmacology Department of Columbia, and in 1968 he accepted an Associate Professorship in Physiology at Arizona. Bill chaired the Physiology Department from 1991-2005. He is especially noted for his research in comparative renal physiology, where he defined the crucial mechanism of urate secretion in reptilian and avian proximal tubules. His work in birds also provided key information that informed our understanding of the role of the loop of Henle in the mammalian kidney. In the early 1970s he was one of the first investigators to isolate and perfuse nephron segments in vitro. By measuring unidirectional fluxes of urate in proximal nephron segments from snake kidneys, Bill characterized the mechanism of active urate secretion, which is essential to both nitrogen excretion and water conservation in reptiles and birds. He has published over 130 peer-reviewed articles as well as numerous book chapters, reviews and similar contributions. Bill’s research has been recognized by numerous awards, his long standing support from the NIH and NSF, his editorship of AJP: Regulatory, Integrative & Comparative Physiology, and his herculean task of assembling and editing the Handbook of Comparative Physiology. Given his research accomplishments
and contributions to the APS, the Renal Section is honored to recognize Bill with the 2013 Robert W. Berliner Award. The Berliner Award Committee was composed of Hedwenn Brooks (Renal Section Chair), Thomas Kleyman (Editor, AJP Renal) and Volker Vallon (Renal Section Awards Chair).

2013 Gottschalk Lecturer

Dr. Jeff Sands

The American Physiological Society Renal Section has selected Jeff M. Sands, MD, as this year’s Carl W. Gottschalk Distinguished Lecturer. Dr. Sands will deliver his lecture, “Regulation of Renal Urea Transport” at Experimental Biology 2013.

Dr. Sands’ interest in urine concentration began at Harvard (BA, 1977) and continued through medical school at Boston University (MD, 1981). Following medical training at the University of Chicago and the NHLBI, Dr. Sands obtained research fellowship training in the Laboratory of Kidney and Electrolyte Metabolism, NHLBI, NIH. Dr. Sands performed a clinical nephrology fellowship at Emory University and joined the faculty as an Assistant Professor in 1989. He has remained at Emory for the duration of his career and is the current Juha P. Kokko Professor of Medicine and Physiology, Director of the Renal Division and Executive Vice-Chair of the Department of Medicine at Emory, and the former Associate Dean for Clinical and Translational Research. In addition to clinical duties, Dr. Sands leads a productive laboratory focused on the urine concentrating mechanism, particularly urea transport proteins, in health and disease. His work has resulted in the publication of over 200 manuscripts, invited reviews and book chapters and has been instrumental in our understanding of the regulation of urea transport. Dr. Sands has performed numerous efforts on behalf of the APS and the Renal Section. His dedication to the Society is exemplary and to the study of renal physiology is renowned. The Renal Section is honored to have him present the 2013 Gottschalk Distinguished Lecture. (Write-up kindly provided by Dr. M. Blount)

Please join us for the 2013 Carl W. Gottschalk Distinguished Lectureship:

“Regulation of Renal Urea Transport”
Monday April 22nd at 3:15pm in Room 210A

2013 Young Investigator Award

Dr. Alexander Staruschenko

Dr. Alexander (Sasha) Staruschenko is the recipient of the 2013 Young Investigator Award for Excellence in Renal Physiology. Dr. Staruschenko began his training in Russia, earning his Ph.D. from the Institute of Cytology of the Russian Academy of Sciences in 2003. There, under the mentorship of Dr. Elena Morachevskaya, his work focused on the cell biology and function of mechanosensitive ion channels, before pursuing post-doctoral training in renal and transport physiology with Dr. James Stockand at UTHSC San Antonio. Dr. Staruschenko’s ground-breaking work on the epithelial Na+ channel (ENaC) began in the Stockand lab and has continued as a major focus of his independent career at the Medical College of Wisconsin where he is now an Associate Professor. In addition to greatly enhancing our understanding of ENaC, Dr. Staruschenko is a technological innovator, developing cutting-edge methodologies that will further our abilities to study ion channels and the signaling pathways by which they are regulated. With 43 publications and counting, Sasha has garnered support for his internationally recognized research program from the American Heart Association, National Kidney Foundation, American Society of Nephrology, American Diabetes Association and the NIH. Dr. Staruschenko has won numerous research awards from the APS and other organizations including the American Society of Nephrology, and the Renal Section is very proud to recognize him with the Renal Section Young Investigator Award for 2013.

Please join us for the Young Investigator Award Featured Topic:

“Regulation of Ion Transport in the Aldosterone-Sensitive Distal Nephron”
Sunday April 21st at 10:30am in Room 208
Call for Nominations – Due March 31, 2013

2014 Renal Section Young Investigator Award

This Award recognizes an outstanding young investigator pursuing research in renal physiology, pathophysiology or hypertension. Candidates must be less than 41 years of age or less than 15 years beyond earning their first doctoral degree, and must have published original work in AJP Renal Physiology (or similar) during the preceding four years. Candidates will be judged on their nomination letters, funding record and publications. The recipient will present the Young Investigator Award Lecture, organize/Chair a featured topic session, participate in the Renal Section's Posters and Professors Reception and be recognized at the Renal Dinner during EB 2014. Nomination materials must be submitted by March 31, 2013. Go to http://www.the-aps.org/mm/awards/sections/renal.aspx

As in previous years, the APS Renal Section Awards Committee received high numbers of applications in every category. The abstracts and applications were of high quality and competition was uniformly strong. In addition to the finalists and awardees listed below, there were many other highly meritorious applicants that the Committee was unable to recognize individually. Thank you very much to everyone participating in this year's competition.

Finalists for this year’s Renal Section Predoctoral Excellence in Renal Research Award are Yang Gao (University of Arizona), Daria Ilatovskaya (Russian Academy of Sciences, Russia), Meghana Pandit (University of Utah), Nathan Rudemiller (Medical College of Wisconsin), Andrew Terker (Oregon Health & Science University), and Nan Cher Yeo (Medical College of Wisconsin).

Finalists for this year’s Renal Section Amgen Postdoctoral Excellence in Research Award are Jonathan Berrout (University of Texas Health Science Center Houston), Phillip Butler (University of Iowa), Yiling Fu (University of Mississippi Medical Center), Marleen Kortenoeven (Aarhus University, Denmark), Nirupama Ramkumar (University of Utah).

All finalists for the Renal Section’s pre- and postdoctoral awards above are scheduled to present their work at the Posters & Professors Session to be held at 5:30 PM on Sunday, April 21st, 2013 (Caspian Room, Renaissance) during EB2013. Winners in these categories will be announced at the Annual Renal Section Banquet to be held on Monday, April 22nd, 2013.

Other awards to be presented at the Renal Section Banquet will include the 2013 Renal Section New Investigator Award to Timo Rieg (University of California San Diego) and 2013 Renal Section Research Recognition Awards to Adebowale Adebiyi (University of Tennessee), He-Ping Ma (Emory University School of Medicine), Jennifer Pluznick (Johns Hopkins University School of Medicine), and Takamitsu Saigusa (Medical University of South Carolina).

The 2013 Renal Section Awards Committee is composed of Mitsi Blount (Emory University), Alejandro Chade (University of Mississippi), Carolyn Ecelbarger (Georgetown University), Robert Fenton (Co-Chair; Aarhus University), Nuria Pastor Soler (University of Pittsburgh), Oleh Pochynyuk (University of Texas Health Science Center Houston), Alexander Staruschenko (Medical College of Wisconsin), and Volker Vallon (Chair; University of California San Diego), Heddwen Brooks (Renal Section Chair; University of Arizona), Pablo Ortiz (Past Awards Committee Chair; Henry Ford Hospital) and Brooks Robey (Past Awards Committee Chair; Dartmouth Medical School), provided the Committee with valuable assistance in its deliberations. We thank Catherine Ohnmacht for her administrative support.
From the Treasurer

Dr. Don Kohan

Renal Dinner – 2013

SOLD OUT!

Boston Room
140 Northern Ave, Boston, MA 02210
(within easy walking distance from the Convention Center – see website for directions)

When: Monday, April 22nd, 2013
Reception: 6:30-7:15 PM
Banquet: 7:15-10:00 PM

We look forward to seeing you at the annual Renal Section Dinner at Experimental Biology! This event sold out rapidly, so we will be discussing increasing the number of attendees at next year’s dinner. In the meantime, if you have a spare ticket, please contact Don Kohan – there is a waiting list.

Email: donald.kohan@hsc.utah.edu

Thanks to everyone who submitted abstracts and/or symposia proposals for EB 2013 in Boston, MA – we are looking forward to a great meeting! Many thanks also to outgoing JPC Representative David Weiner, who played a big role in organizing the Renal Sessions for EB 2013.

We continue to encourage the renal community to submit symposium proposals for the Experimental Biology Meetings. This is a great opportunity to organize friends and colleagues working in areas aligned with your interests to give talks highlighting their work. Complementary registration and additional funds to help with travel expenses are part of the package. To initiate the process, a (simple!) form is available from the APS site at http://www.the-aps.org/mm/Conferences/EB/EB13-Symposium-Form.doc. Please just fill it out and send it to us (jpluznick@jhmi.edu or pwelling@umaryland.edu). We encourage investigators at all career stages (especially junior investigators, including postdocs!) to organize sessions – no grey hair required. Please help keep exciting and innovative symposia in the pipeline. To be considered for EB2014 we need your symposium proposal by April 1.

We received 138 abstracts for presentation at EB 2013. Current details of the program are available at: http://www.apsebmeeting.org/. There are many excellent sessions on the schedule; the following may be of particular interest to members of the renal community:

Sunday, April 21, 2013

8-10 AM, Room 212
Translational Research in Kidney Disease, Hypertension, and Electrolyte Disorders
Chaired: Paul Welling and Sydney Murphy (Featured Talk by David Ellison)
Co-sponsored by Renal and Water and Electrolyte Homeostasis Sections

10:30 AM-12:30 PM, Room 208
Young Investigator Award Featured Topic: Regulation of Ion Transport in the Aldosterone-Sensitive Distal Nephron
Chaired: Alexander Storuschenko (YIA Awardee) and Donald Kohan

3:15-5:15 PM, Room 208
Paracrine Regulation of Renal Tubule Function
Chaired: Gerhard Giebisch and Michael Caplan
Greetings from your Trainee Advisory Committee (TAC) representatives! The TAC’s charge is to help APS assist and support trainees (students, postdocs, and junior faculty as well as trainee positions in industry and government). Here are some of the activities geared for trainees at EB 2013. We hope to see you there!!

Sunday April 21st at 4:30-5:30 PM Come and meet the excellent undergraduates who are honored to receive the David Bruce Outstanding Undergraduate Award and where the David Bruce Awards for Excellence in Undergraduate Research Awardees will be announced.

Sunday April 21st at 5:30-7:30 PM Renal Section: Posters & Professors session and Trainee mixer. This year the Trainee mixer will take place at the same time in the same place as the poster competition. Please join us to learn from the research of some of our outstanding young peers. Stay longer to share some soda, beer and wine and take the opportunity to interact with PIs and other trainees! It will be the perfect time and atmosphere to grow your network, look for a post-doc position or start a new collaboration.

Sunday April 21st at 6:45-8:00 PM Are you considering industry as a possible career path? Then you would benefit by networking at the Physiologist in Industry Committee (PIC) mixer. It will take place in the Aegean Room, Renaissance Hotel.

Tuesday April 23rd at 8:00 AM Are you concerned on how to promote science and make people understand the importance of supporting research? If so, you should participate of the Careers in Physiology Committee Symposium: Communicating Science to Non-Scientists: Keys to Funding and Visibility that will be held in Boston CC Room 205B.

Wednesday April 24th at 10:30 AM Translational research has emerged as a new hot field in research and has received a lot of support from funding agencies. However, do you know which skills are needed to be successful in that area? If you need some advice from experts, come to the Trainee Advisory Committee Symposium: Translational Research: From Bench to Bedside in Room CC207.
Wednesday April 24th at 2:30 PM With the ever-growing population of assistant professors and the decline in federal funds, the competency for tenure is harder than ever. To tackle this issue, Women in Physiology Committee have organized a Symposium called: The Changing Face of Tenure, Boston. It will take place in Boston CC in Room 212.

Wednesday April 24th at 4:45 PM Don’t miss your chance to personally meet a Nobel Laureate!! As you make plans to attend Experimental Biology 2013, please join us for the APS President’s Symposium Series: From Animals to Human Models of Disease featuring the APS Nobel Prize in Physiology or Medicine Lecture, “Unraveling Smell” by Dr. Linda B. Buck. Dr. Buck, best known for her groundbreaking discoveries of odorant receptors and the organization of the olfactory system, is a Howard Hughes Medical Institute Investigator at the Fred Hutchinson Cancer Research Center in Seattle, WA, and recipient of the 2004 Nobel Prize in Physiology or Medicine. Following her lecture, there will be a “Meet the Nobel Laureate” reception for trainees where you can meet Dr. Buck as well as get her autograph and have a photo with her. In addition, please make plans to attend the APS Closing Party at 6:30 pm–10:00 PM on Wednesday.

Closer to EB, check for trainee activities and APS career development and education sessions by visiting the link to EB in the APS webpage where the APS staff will publish a PDF with trainee-gearied activities. Please, e-mail me (vramsey1@hfhs.org) or contact the other members of the trainee committee Daria Ilatovskaya, Pablo Cabral and Debra Irsik (see email addresses on final page) if you have questions or suggestions to help improve the trainee experience. See you in Boston!

**Physiologists in Industry Committee Report**

**Dr. Daniel Levy**

The APS Physiologists in Industry Committee (PIC) is sponsoring a Symposium at EB 2013 entitled “Nrf2 Signal Pathway in Human Diseases as Novel Therapeutics” (chaired by Eugene Shek and Ira Smith) on Sunday, April 21st, at 8:00 – 10:00 AM (Room 205C). There is solid experimental evidence of a key role of oxidative stress and its interrelation with inflammation in several forms of acute and chronic kidney injury. Nrf2 (nuclear erythroid 2-related factor 2) is a transcription factor which leads to reduced production of reactive oxygen species and their downstream inflammatory and pro-fibrotic effects. Nrf2 stimulation may prove to be an effective mechanism to attenuate acute kidney injury or slow the progression of chronic kidney disease.

The PIC Novel Disease Model Awards for 2013 will be presented at the APS Business Meeting on Tuesday, April 23rd, 5:45 – 7:00 PM. This award is granted for the best abstracts describing a novel in vivo or in vitro model of human disease. The $800 award for postdoctoral candidate will be awarded to Catharine Clark from Cornell University. Her submission was entitled: “Ultrasonic actuation (UA) reduces the brain inflammatory response to neural microelectrode insertion.” The $500 predoctoral award will go to Katrin Hollinger, from Iowa State University, for the submission, “Dystrophin insufficiency causes a Becker muscular dystrophy-like phenotype in swine.” Future applications for this award can be submitted via the following website: [http://www.the-aps.org/mm/awards/Other-APS-Awards](http://www.the-aps.org/mm/awards/Other-APS-Awards)

The FASEB Career Center supports professional development with numerous seminars and workshops during EB2013. Most sessions focus on development within an academic environment, but there are also a handful of workshops that focus on the transition into industry. The full list of career development sessions can be found here: [http://www.faseb.org/Portals/0/MARC/PDFs/EB2013_Seminar_Grid_1%2004%2013.pdf](http://www.faseb.org/Portals/0/MARC/PDFs/EB2013_Seminar_Grid_1%2004%2013.pdf)

You're invited to meet (and eat with) your fellow Physiologists who are working inside of and outside of Industry. The Physiologists in Industry Committee Mixer at EB 2013 is on Sunday, April 21, 6:45–8:00 PM at the Renaissance Boston Waterfront Hotel, Aegean Room. Free Hors d’oeuvres will be available along with a cash bar and information on the roles of Physiologists in Industry. This is a great opportunity to network with industry and academic APS members alike!
Our editorial team is completing a six-year term with *AJP-Renal Physiology*. Our Associate Editors, Lisa Satlin, Susan Wall, Gerald Apodaca, Kumar Sharma, Darwin Bell, Jeffrey Garvin, and Karl Nath, and managing editor, Amy McEver, have done an outstanding job. It has been gratifying to see continued growth in the number of manuscripts that are submitted to the journal over the past six years. We were the only AJP publication that saw an increase in submissions in 2012. I would like to congratulate two of our Associate Editors, who are assuming Editor-in-Chief positions this summer. Darwin Bell will be the new editor-in-chief of *AJP-Renal Physiology* as of July 1st. He has assembled a terrific editorial team, and Amy McEver will continue to serve as the journal’s managing editor. Karl Nath is the new Editor-in-Chief of the *Journal of the American Society of Nephrology*.

We are continuing our monthly podcasts, where authors and editors discuss new publications. These are available online at: [http://ajprenal.podbean.com/](http://ajprenal.podbean.com/)

The 2012 *AJP:Renal Physiology* Paper of the Year, selected by the APS Renal Section Steering Committee, is “Flow-induced prostaglandin E2 release regulates Na and K transport in the collecting duct”. The authors are Daniel Flores, Yu Liu, Wen Liu, Lisa Satlin and Rajeev Rohatgi. Rajeev will receive an award at the APS Renal Section dinner in April. The 2012 “Star Reviewers” for *AJP-Renal Physiology* are Marcelo Carattino, Zheng Dong and Rama Natarajan.

The APS in conjunction with The Physiological Society is launching *Physiological Reports* in March 2013. This new, open access journal will cover all aspects of physiology. Susan Wray from the University of Liverpool has been chosen to serve as the editor-in-chief, and I will serve as the deputy editor-in-chief.

I look forward to seeing you at Experimental Biology.

The APS Committee on Committees will meet at Experimental Biology, in Boston, on Saturday April 20 to select the appointments to the APS standing committees. The response from the Renal membership for nominations was very good this year, as we have a total of 25 nominees in consideration for open positions (for the 2014 term). Thanks to all of those who submitted their names for service to the APS. We have an excellent slate and we look forward to continuing the strong representation of the Renal Section within the APS committee structure.

With the EB meeting coming up soon, it is not too early to be thinking about submitting nominations for the next year’s openings. The EB meeting is a great place to discuss the process with your colleagues. The charge of each committee is listed on the APS website along with other information regarding the nomination process ([http://www.the-aps.org/mm/hp/Audiences/APS-Committees](http://www.the-aps.org/mm/hp/Audiences/APS-Committees)).
Science Policy News, a monthly electronic publication from the APS Office of Science Policy features opportunities to advocate for research along with news on policy issues of interest to physiologists. To sign up, send an email with “Subscribe” in the subject line to sciencepolicy@the-aps.org.

For more information regarding science policy news and updates, APS advocacy efforts, funding and other issues, see http://www.the-aps.org/mm/SciencePolicy and you can now follow the APS Office of Science Policy on Twitter! @SciPolAPS

Important Dates

March 31, 2013 2014 Young Investigator Award and 2013 Carl W. Gottschalk Distinguished Lectureship of the APS Renal Section nomination deadline

April 20-24, 2013 Experimental Biology 2013, Boston, MA
See www.experimentalbiology.org and www.the-aps.org for more information

June 30-July 5, 2013 Renal Hemodynamics Summer Research Conference, Saxtons River, VT

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