



Renal Section Newsletter

Spring 2008



János Peti-Peterdi, Editor

Message from the Renal Section Chair *Pamela K. Carmines*

It has been a great honor to serve my colleagues as Renal Section Chair for the past three years. However, as we all busily prepare for EB2008, I now find myself tidying-up things so that the turnover of the Section Chair position might be as seamless as possible. In a close election, Bill Welch was recently elected Section Chair, and he will take the reigns immediately after the EB meeting in April. I am certain that Bill will be a fine leader for the Section and will come up with (and implement) some innovative new ideas for how the Section can best serve our members.

The election also identified David Weiner as our incoming representative to the APS Joint Programming Committee. Although David's term will not actually start until January, our current JPC representatives (Sue Mulrone & Tom Pallone) will soon begin indoctrinating him with regard to the procedures involved in programming sessions for EB each year. The two JPC representatives are critical members of the Renal Section leadership, as they coordinate both our symposium programming and the organization of abstract-based Featured Topics sections. Sue has worked tirelessly in this role, and will continue work with Tom in program planning through the end of her term in December. I am sure that all of our members appreciate her efforts in ensuring that renal programming at EB is compelling and cutting-edge.

We should also recognize the efforts of Heddwen Brooks (our Committee on Committees representative), who chaired the Nominating Committee that put together the slate of candidates for our recent election. The strong slate of candidates ensured that these leadership positions within the Renal Section would be held by well-respected and highly qualified individuals. We thank John Imig and Brooks Robey for agreeing to stand as candidates and, despite the outcome of this election, I suspect that both individuals will be prominent participants in Renal Section activities in the years to come. In fact, John is just completing a 2-yr term as chair of the Renal Section Awards Committee. He has done a fine job of coordinating the review of abstracts for multiple awards, as well as the judging of student and postdoc posters at the EB meeting. This is a time-consuming job for which John deserves our sincere thanks. Pablo Ortiz will assume the Awards Committee chair after EB, and I am sure that our awards program will continue to flourish under his leadership.

I invite all Renal Section members to utilize the information provided in this newsletter as a springboard for planning your EB meeting, and I look forward to seeing everyone in San Diego!

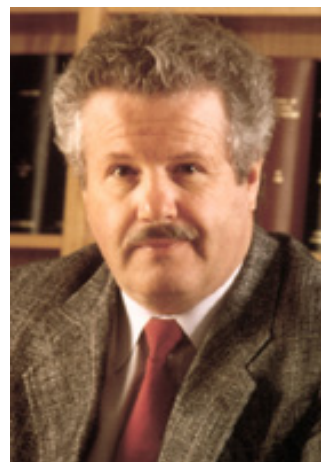
Nomination Deadline April 2, 2008:
2009 Carl W. Gottschalk Distinguished Lectureship
and
Young Investigator Award of the APS Renal Section

For details about these awards and to place a name in nomination, visit our awards website
(<http://www.the-aps.org/meetings/eb08/awards/renal.htm>)



2008 Robert W. Berliner Award for Excellence in Renal Physiology Sponsored by Abbott Laboratories

Dr. Gerald F. DiBona has been named the 2008 recipient of the Robert W. Berliner Award for Excellence in Renal Physiology, sponsored by Abbott Laboratories and presented by the Renal Section of the American Physiological Society (APS). The award annually honors a U.S. citizen who has achieved world renown as a distinguished scientist through major contributions to the field of renal physiology over a lifetime, including accomplishments in research, teaching, training, and activities within the APS.



Dr. DiBona graduated from Tufts University School of Medicine and subsequently completed his internship and residency training at the University of Pennsylvania. After completing a two-year fellowship in Medicine and Nephrology at the Peter Bent Brigham Hospital and Harvard Medical School, Dr. DiBona accepted an Assistant Professor appointment in the Department of Internal Medicine at the University of Iowa College of Medicine in 1969. Dr. DiBona quickly rose through the ranks to the level of Professor in 1975 and was appointed Vice-Chairman of the Department of Internal Medicine in 1977. In 2004, he was named Professor Emeritus at the University of Iowa College of Medicine. Dr. DiBona also maintains strong scientific ties to Scandinavia by spending 4-5 months annually as Foreign Adjunct Professor at the Karolinska Institute in Stockholm and 1 month each year as Visiting Adjunct Professor at the University of Copenhagen.

Dr. DiBona is a renowned renal physiologist who is best known for his research on neural control of renal function, with these efforts contributing greatly to key concepts of renal fluid and electrolyte homeostasis in health and disease. Dr. DiBona has published more than 270 peer-reviewed manuscripts and review articles, as well as 48 book chapters. He has garnered numerous awards in recognition of his research accomplishments, including an honorary doctorate degree from the University of Göteborg in 1993, the Starling Distinguished Lectureship of the APS Water & Electrolyte Homeostasis Section in 2000, the APS Walter B. Cannon Memorial Lecture in 2005, and the 2002 Novartis Award for Hypertension Research from the American Heart Association.

Dr. DiBona has not only made major scientific advancements in the field of renal physiology but has also made major contributions in the areas of teaching and mentoring young scientists. A number of outstanding scientists trained in his laboratory over the past 30 years, with the list including supervision of 24 postdoctoral fellows and the hosting of 16 sabbaticals by other scientists. His dedication to training a new generation of scientists was best summed up by one of his nominators, who noted, "Even to this day, he is one of the few senior investigators who will take the time to get to know the young investigators in the field. He knows the names of young post-docs in various labs and is keen to do what he can to help them enter the field."

In addition to his research and mentoring accomplishments, Dr. DiBona has been tireless in his service to the scientific community. He has served on numerous study sections, editorial boards, and advisory committees. Dr. DiBona has been an active member of the American Physiological Society since 1971, serving as a program representative for the Water & Electrolyte Homeostasis Section, as a member of the Publication Committee and as Chair of the Committee on Committees. In addition, he served a three-year term as Councillor and was the 73rd President of the Society.

Dr. DiBona will receive the award at the Renal Dinner on Tuesday, April 8, 2008, during the Experimental Biology Meeting in San Diego, CA.

The APS Renal Section's Berliner Award Committee was composed of John D. Imig (Renal Section Awards Committee Chair), Pamela K. Carmines (Renal Section Chair), and Thomas R. Kleyman (Editor, *American Journal of Physiology-Renal Physiology*).



2008 Carl W. Gottschalk Distinguished Lectureship of the APS Renal Section

Dr. Peter Aronson has been named the 2008 Carl W. Gottschalk Distinguished Lecturer of the American Physiological Society Renal Section. Dr. Aronson will deliver the lecture, entitled “Roles of Ion Exchangers in Renal NaCl Transport and Pathogenesis of Kidney Stones,” on Tuesday, April 8, 2008 at 2:00 PM during a Plenary Lecture session at the Experimental Biology Meeting in San Diego, CA. Dr. Aronson will also be honored during the Renal Dinner that evening.

Dr. Aronson graduated from the University of Rochester and earned his M.D. from New York University. After internship and residency training in Internal Medicine at the University of North Carolina, he completed a two-year fellowship at the Gerontology Research Center of the NIH. In 1974, he was recruited to the Yale University School of Medicine as a nephrology fellow, and he was subsequently appointed to the faculty as Assistant Professor in 1977. Dr. Aronson has risen through the ranks at Yale, where he has held dual academic appointments as Professor of Medicine and of Cellular & Molecular Physiology since 1987. He served as Chief of the Section of Nephrology in the Department of Internal Medicine from 1987-2002 and he was named the C.N.H. Long Professor of Internal Medicine in 1995. He has published more than 160 peer-reviewed manuscripts and review articles, as well as 14 book chapters. Dr. Aronson has served on multiple study sections, editorial boards, and advisory committees, and he is the current President of the American Society of Nephrology (ASN). He has been the recipient of several prestigious awards, including the American Heart Association (AHA) Established Investigator Award, the ASN/AHA Young Investigator Award, the ASN Homer W. Smith Award, and the Borelli Medal for Achievements in the Field of Acid-Base and Renal Medicine.



Dr. Aronson's research efforts, begun during his fellowship training with Dr. Bertram Sacktor, initially focused on the mechanisms and kinetics of sodium-linked glucose transport in proximal tubule cell membranes. During the ensuing years, he has produced an impressive body of work focusing on sodium-hydrogen exchangers. These investigations have provided valuable insight into the relationship between the structure, function and regulation of the various renal tubular sodium-hydrogen exchangers. Moreover, his recent work has revealed that a chloride-oxalate exchanger plays essential roles both in proximal tubule NaCl transport and in the prevention of hyperoxaluria and calcium oxalate nephrolithiasis. His cutting-edge investigations of renal transport physiology have firmly established Dr. Aronson as a world-renowned leader in the field.

The APS Renal Section's Distinguished Lectureship Committee was composed of Pamela K. Carmines (Renal Section Chair), Jeff M. Sands (Editor, *American Journal of Physiology Renal Physiology*), and James A. Schafer (APS President, 1996-1997).





2008 Renal Section Awards *John Imig, Awards Committee Chair*

The Renal Section is proud to have the opportunity to support and honor the careers of young investigators and trainees. The number of applicants who submitted their work for **Excellence in Renal Research Awards** was outstanding once again for EB 2008. We received abstracts from 24 pre-doctoral students and 27 post-doctoral fellows. Finalists will undergo a second round of evaluation during the *Posters & Professors* reception on Sunday during EB08. Finalists' posters can also be visited during various EB08 poster sessions. The Renal Section will post a placard in the aisles listing the poster numbers and presentation times for the student and postdoctoral finalists. Congratulations to the finalists. Awards will be presented during the Renal Dinner. We encourage everyone to drop by the EB08 poster presentations, and to come to the Renal Dinner to support these young investigators.

Finalists for the predoctoral category are:

Liang Fang, Univ. of Maryland SOM
Jane Kim, Case Western Reserve University
David Osmond, Medical College of Georgia
Sungmi Park, LSU Health Sciences Center
Arjun Rush, Georgetown University
Tiffany Thai, University of North Carolina

Finalists for the postdoctoral category are:

Morgan Gallazzini, NIH
Daisuke Nakano, Medical College of Georgia
Jennifer Pluznick, Yale University
Arnold Sipos, USC Keck School of Medicine
Marcia Venegas-Pont, University of Mississippi
Medical Center

Sponsors of the pre- and postdoctoral Excellence in Renal Research Awards:

Emory University – Division of Nephrology and Department of Physiology

Georgetown University – Pediatric Nephrology

Massachusetts General Hospital – Renal Division

Medical College of Wisconsin Kidney Disease Center

University of Florida Hypertension Center

University of Nebraska Medical Center – Department of Cellular & Integrative Physiology

Congratulations to the recipients of the Renal Research Recognition Award:

Fady Botros, Tulane University
Alejandro Chade, University of Mississippi Medical Center
Marcela Herrera, Henry Ford Hospital
Mona Oppermann, University of Erlangen

Congratulations to the recipient of the Renal Section New Investigator Award:

Robert Fenton, University of Aarhus

Congratulations to the recipient of the Renal Section Young Investigator Award

(sponsored, in part, by the University of Florida Department of Physiology & Functional Genomics):

Christine Maric, Georgetown University

Congratulations also to the recipient of the APS Lazaro J. Mandel Young Investigator Award:

Jennifer Gooch, Emory University

All Renal Section Members, Postdoctoral Fellows and Graduate Students are invited to the *Posters & Professors* reception sponsored by the APS Renal section on Sunday April 6th, 5.30-7pm; in the Santa Rosa Meeting Room, San Diego Marriott Hotel. It will be a great opportunity to meet with the Carl Gottschalk Distinguished Lecturer (Peter Aronson), the Renal Section Young Investigator (Christine Maric) and the Berliner Award Winner (Gerald DiBona). We look forward to seeing you there.



APS Trainee Advisory Committee (TAC)

Jen Pluznick

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). With EB fast-approaching, here are a few key things that trainees (and their mentors!) should be aware of:

- Please don't miss our **EB 08 symposium "Marketing yourself on paper for academic positions,"** which will be held Sunday, April 6, from 8-10am. Also, you can find the PowerPoint presentations from our **previous sessions on-line on the APS website – with audio!** You can find these TAC symposia (along with other great symposia) at: <http://www.the-aps.org/careers/careers1/mentor/wrkshp.htm>. Don't forget to take advantage of this chance to "virtually" hear these great talks!
- **Trainees:** If you haven't already done so, please visit the Trainee Web Page (<http://www.the-aps.org/trainees/>) and to sign up for the Trainee Listserv and the Renal Listserv. This will keep you "connected" and up-to-date on information regarding **Awards, Job Postings,** and other helpful information.
- Finally, we'd like to urge all trainees (and their mentors) to periodically look through the **professional skills document**, which can be found at <http://www.the-aps.org/education/skills.htm>.

As always, please feel free to contact me (Jennifer.Pluznick@yale.edu) with any questions, concerns, or ideas. I look forward to hearing from you. See you at EB!

AJP-Renal Physiology

NEWS FROM THE EDITOR

Tom Kleyman

The *American Journal of Physiology: Renal Physiology* has continued to see growth in the number of submitted manuscripts. We received 558 submissions in 2007, which represents an 18% increase over the number of submissions in 2006. The number of manuscripts published in 2007 was 409, representing a 40% increase over the previous year. This increase reflects the growth in submissions, as well as a reduction in the time from acceptance to the final print publication, which is now ~2.5 months. The journal is changing from ScholarOne to eJournal Press in mid-March. Authors and reviewers will see a new format for the journal on the eJP website. The APS owns www.apscentral.org <<http://www.apscentral.org>>, and the journal will continue to use this address. This site will direct you to the eJP site.

Congratulations to Monica Sandberg and her colleagues, whose manuscript was selected as the Paper of the Year: Monica B. Sandberg, Anne D. M. Riquier, Kaarina Pihakaski-Maunsbach, Alicia A. McDonough, and Arvid B. Maunsbach. ANG II provokes acute trafficking of distal tubule Na⁺-Cl⁻ cotransporter to apical membrane. *Am J Physiol Renal Physiol* 293: F662-669, 2007.

Congratulations to our Star Reviewers for 2007: Michel Baum, Anupam Agarwal and Raimund Hirschberg.



APS Conferences *Darwin Bell*

The purpose of the APS Conference Committee is to facilitate, improve, and energize APS Conferences. To simplify the application process, an online submission site within the APS website is now up and This site contains information on APS Conferences, instructions on how to organize a meeting, and the application procedure, which consists of providing an overall meeting abstract and minimal additional details. Application deadlines will be April 1, August 1, and December 1. Anyone who is a member of APS can submit an application for an APS Conference. For more information please contact: P. Darwin Bell, Chair at BellPD@musc.edu or Linda Allen: APS Representative at: LAllen@The-APS.org.

Joint Programming Committee Report *Sue Mulroney & Tom Pallone*

With EB2008 just around the corner, we hope you are all preparing your poster and talks. We received a good number of abstracts and were able to select 2 Featured Topic talks on *Renal Ion Transport* and *Renal Hemodynamics*, in addition to the talks on *Pathophysiology of Renal Disease*, programmed with the *Young Investigator Awardee*, Christine Maric.

We are continuing to give more exposure and experience to our in-training and young investigators, and one way of doing this is to have them Co-Chair the Featured Topics. We hope this will be a great experience for our junior colleagues.

In addition, we have a varied series of Symposia, Award Addresses, and Poster Sessions. The main line-up will be:

- ***Gottschalk Distinguished Lectureship of the APS Renal Section***: Peter Aronson, PhD
- ***Young Investigator Award Lecture & Featured Topics***: Christine Maric, PhD
- **Symposia:**
 - *New insights into the urine concentrating mechanism* (Jeff Sands, Organizer)
 - *Newly-emerging signaling pathways in the renal microcirculation* (Rodger Loutzenhiser & Pam Carmines, Organizers)
 - *Ciliopathies: common themes in diverse genetic disorders* (Lisa Satlin, Organizer)
 - Cross-Sectional, Translational Symposium (sponsored by the Liaison with Industry Committee, Co-Sponsored by WEH and Renal Sections): *Recent advances in the renin-angiotensin-aldosterone system for the investigation and treatment of hypertension* (Christine Schnackenberg, Organizer)

Remember, we are also accepting proposals for future symposia, and we encourage you all to work with your colleagues to keep interesting, timely work in the pipeline. See you in San Diego!



Liaison With Industry Committee (LWIC) Report

Craig F. Plato

The APS LWIC is sponsoring a Symposium at EB 08 entitled "IBS and Chronic Constipation: Mechanisms and Novel Treatments" on Monday, April 7 from 3:15 – 5:15 PM in the Convention Center, Room 25A. This symposium will focus on the mechanisms of these two GI disorders that affect ~15-25% of the US population as well as current treatments and their mechanisms of actions and efficacy, as well as novel treatments being developed for these debilitating diseases.

In addition, the APS and LWIC are co-sponsoring a Translational Physiology Symposium entitled "Recent Advances in the Renin-Angiotensin-Aldosterone System for the Investigation and Treatment of Hypertension". This symposium will display the "bench-to-bedside" scope of translational research by highlighting recent findings from transgenic mice, local renal angiotensin II production and function as well as clinical trial data and the advance and clinical application of a renin inhibitor. Look for the full program on-line at <http://www.the-aps.org/meetings/eb08/program.htm>.

The LWIC Novel Disease Model Award will be granted to each a graduate student and a postdoctoral fellow who submit the best abstracts at EB '08 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 and the APS.

You're invited! Come meet and eat with your fellow Physiologists who are working in the corporate sector. The 8th Annual Liaison With Industry Committee Mixer at EB '08 is on Sunday, April 6th, 7:00 – 9:00 PM in room Torrance Room of the San Diego Marriott Hotel. Free Hors d'oeuvres will be available along with a cash bar – hope to see you there!

Renal Dinner 2008

This year the Renal Dinner will be held Tuesday April 8th aboard the retired aircraft carrier USS Midway, which is docked at 910 North Harbor Drive in San Diego (a short walk from the Convention Center). This promises to be a unique and memorable dinner. For more information about the Midway visit www.midway.org. Cocktails begin at 6:30 p.m. and dinner at 7:30 p.m. The cost is \$60 for Faculty and Guests (Member or Nonmember) and \$30 for Trainees (Student or Postdoctoral). Although most tickets have been sold, we expect that a limited number of tickets will still be available early at EB. Ticket purchases during the first few days of EB can be made by credit card in the APS office (the Warner Center in the San Diego Marriott Hotel and Marina). Questions: L. Lee Hamm (Renal Dinner Organizer): lhamm@tulane.edu or 504 988 7800, or Linda Allen, APS Meetings Manager: lallen@the-aps.org or 301-634-7172.



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