EB17 was a highly successful meeting for the Renal Section. Featured topics and symposium scientific sessions continue to present the highest quality renal physiology research. Posters and Professors continues to grow in numbers and quality of science presented by our trainees. The Renal Dinner continues to be well attended and remains a highlight for EB by recognizing the Berliner, Gottschalk, Young Investigator, New Investigator and trainee awardees.

EB18 abstracts are due on December 7, 2017. Please note the deadline for award applications described in the Newsletter. The Renal Dinner will be held on Monday, April 23, 2018. Michelle Gumz, our Treasurer, has exciting news on the upcoming Renal Section dinner. We are able to subsidize Renal Dinner tickets for trainees because of the fundraising efforts of our Treasurer and the generosity of our section members. Our fundraising efforts are also focused on and necessary for the section trainee awards program. Please consider donating to the Renal Section to support our trainees.

See you in San Diego!
Experimental Biology 2018 in sunny San Diego, CA (April 21 to 25) is fast approaching and promises to be an exciting meeting. Outstanding symposia are programmed, highlighting current advances in the field. The meeting provides an ideal venue to present your latest findings in highly interactive Oral and Poster sessions.

The abstract Deadline for EB18 is fast approaching is December 7, 2017. Abstracts can be submitted at: http://experimentalbiology.org/2018/Abstracts/Abstract-Submission.aspx. Please be sure to submit your abstracts to Renal Section Topics.

Oral presentations will be selected from abstracts submitted to the 1) Young Investigator Featured Topic (one session, 1285-APS), and 2) the Advances in Renal Physiology 1 and 2 listed below (Two sessions). Trainee authors of the two top scoring abstracts will be invited to co-chair a Renal Featured topic oral session. Please submit abstracts of your latest best work to the topics listed below:

Renal Section Abstract Topics  (Highest scoring abstracts from the Renal Poster topic categories will be selected for oral presentation in featured topics Advances in Renal Physiology 1 or Advances in Renal Physiology 2)

1290-APS  Diabetic renal disease
1291-APS  Hormone and autacoid effects on the kidney
1292-APS  Oxidative stress and hypoxia in the kidney
1293-APS  Renal hemodynamics, glomerular filtration, and the renal vasculature
1294-APS  Renal ion transport, transporter regulation, and trafficking
1295-APS  Kidney in hypertension
1296-APS  Renal pathology, toxicology
1297-APS  Renal water transport, urea transport, and countercurrent mechanisms
1298-APS  Renal water transport, urea transport, and countercurrent mechanisms
1299-APS  Sex differences in renal function and disease
1300-APS  Nutrition, exercise and metabolic syndrome in renal function
1301-APS  Omics and Systems Biology of Renal Function and Disease
1302-APS  Renal Translational Physiology
1303-APS  Acute kidney injury
1304-APS  Immune cells and inflammation impact on kidney function and hypertension
1305-APS  Cilia in renal function

Sunday, April 22, 2018

8:30-10:00  Renal Section Young Investigator Award Featured Topic
Jennifer Pluznick 2017 Renal Section Young Investigator Awardee

1:30-3:00  Renal Section Symposium: ENaC proteins as mechanosensors in endothelial and vascular smooth muscle cells
Chairs: Heather Drummond and Zoe Ashley

Other presentations selected from highest scoring abstracts submitted to 1275-APS and Renal section
Monday, April 23, 2018

8:30-10:00 Renal Section Symposium: New Concepts in JGA Physiology
Chairs: Janos Peti-Peterdi and Charlotte Buckley

1:30-3:00 Featured topic: Advances in Renal Physiology 1 (selected from highest scoring abstracts submitted to any Renal Section abstract category)
Chairs: Pablo Ortiz and highest scoring trainee abstract

3:30-4:30 2018 Renal Section Carl Gottschalk Lecture - Dr. Lisa Satlin

Tuesday, April 24, 2018

8:30-10:00 Advances in Renal Physiology 2 (selected from highest scoring abstracts submitted to Renal Section) Chairs: Edward Inscho and highest scoring trainee abstract

1:30-3:00 Renal Section Symposium: Structure and Function of Renal Epithelial Cilia
Chairs: P. Darwin Bell and Lisa Satlin

Submit Proposals to EB2019! JPC encourages you to submit a proposal for Renal Section Symposia at the Experimental Biology 2019. We especially encourage junior investigators to organize these sessions. No grey hair required. This is a great opportunity to ask friends, enemies, or scientific competitors to give talks highlighting their work. Everyone gets complimentary registration and there are additional funds to help with travel expenses. The process is easy. There is a form (EB Section-Sponsored Symposia Form) available for download at the following website: http://www.the-aps.org/Conferences/EB. Simply send (email) the completed form to one of us Ed Inscho or David Ellison by March 30, 2018, so that we have time for discussion at EB18. Symposia are evaluated on theme, diversity of speakers/chairs (gender, race, stage of career), and potential impact. After review, selection, and final revision, your Renal JPC representatives will submit the selected symposia to APS. Please do not send the form directly to APS.

JPC welcomes David Ellison as the Renal Section JPC incoming Co-Chair! We would like to express our appreciation to Pablo Ortiz for his service and dedication to the Renal Section JPC!!

News from the Treasurer
Michelle Gumz

We would like to thank our past Chair Dr. Donald Kohan for spearheading a fundraising drive for our Renal Section Endowment Fund. To date, this drive has raised over $19,000! We want to express our immense gratitude to all who have contributed. These funds will be matched by APS and will help support section activities for many years to come.
To donate, please visit:
https://ebus.the-aps.org/personifyebusiness/OneClickDonation.aspx?ProductId=1697311

All Aboard! The 2018 Renal Section Banquet will be held aboard the Adventure Hornblower! We will board the ship from the F Dock at the Marriott Marina, within walking distance of the Convention Center. This event takes place Monday, April 23, 2018 from 6 – 9 pm and includes a cruise around the San Diego Bay! Please check your APS Renal Section Digest emails in the coming weeks for the link to purchase your tickets. The price will be $80 for faculty and $40 for trainees. 
Firstly, the Renal Section would like to thank all of our Renal Section Awards Committee judges. It is a hard job to critically evaluate many abstracts in various areas of renal physiology and we very much appreciate their ongoing commitment to this important endeavor. As in previous years, the APS Renal Section Awards Committee received high numbers of applications in every category. The abstracts and applications were of extraordinary quality and competition was extremely strong. In addition to the finalists and awardees listed, there were many other highly meritorious applicants that the Committee was unable to recognize individually. Thank you very much to all participants in this year’s competition. See details under Award Deadlines (next page) on how to nominate others – or yourself – for Renal Section awards. The following Renal Section awards were bestowed at EB 2017 in Chicago. Sincere congratulations to all awardees!!!

Awards Committee

Alexander Staruschenko, Chair
Robert Hoover, Co-Chair

Finalists for the 2017 Renal Section Predoctoral Excellence in Renal Research Award were (left to right): Xiaotong Su (New York Medical College), Ankita Jaykumar (Wayne State), Alissa Frame (Boston University), Eryn Dixon (University of Maryland), and Dinguo Zhang (University of Alabama at Birmingham).

Finalists for the 2017 Renal Section Postdoctoral Excellence in Renal Research Award were (left to right): Ina Schießl (University of Regensberg, Germany), Jeroen de Baaij (Radboud University Medical Center, Netherlands), Dorinne Desposito (University of Southern California), Gregory Blass (Medical College of Wisconsin), and Premraj Rajkumar (Johns Hopkins University).

2017 Renal Section Predoctoral Excellence in Renal Research Award

This award recognizes predoctoral students who were first authors on an abstract involving renal-based research at EB. In 2017 there were 26 applications. Of the 5 finalists (shown above), the winners were Eryn Dixon and Ankita Jaykumar.

2017 Renal Section Postdoctoral Excellence in Research Award

This award acknowledges postdoctoral fellows who were first authors on an abstract presented at the EB meeting involving renal-based research. In 2017 there were 29 applications. Of the 5 finalists, shown at left, the winner was Ina Schießl.
2017 Renal Section Research Recognition Awards acknowledges meritorious research by young investigators (junior faculty) participating in the EB meeting. In 2017 there were 10 excellent applications. The awardees (shown at right) were: Shengyu Mu (University of Arkansas), Aylin Rodan (University of Utah), Kelly Hyndman (University of Alabama at Birmingham), and Mykola Mamenko (Augusta University).

Renal Section New Investigator Award recognizes an outstanding investigator in the early stages of his/her career (not above the rank of Assistant Professor). This year’s awardee is Jorge Giani from Cedars-Sinai Medical Center, shown below).

Award Deadlines - Renal Section
Deadlines for several of the 2018 Renal Section awards are just around the corner: December 21, 2017 for the Berliner, Predoctoral and Postdoctoral Research Recognition and New Investigator awards; and February 28, 2018 for the Young Investigator and Gottschalk awards.

A full list of all the awards and eligibility criteria are at: http://www.the-aps.org/mm/awards/section/renal.

Please do not forget to apply for Awards. We are looking forward to your applications!!!
Committee on Committees Report – Erika Boesen

As your new Committee on Committees (CoC) representative, I urge you to consider nominating yourself to serve on an APS committee. This is a great opportunity to get involved, make a difference, and to meet a variety of active and engaged APS members across sections. Renal Section members have a strong history of advancing the mission and leadership of the APS through committee service, so let’s keep up the good work!

Members from all career stages will be needed to fill upcoming vacancies on a variety of committees, with nominations due in January 2018. If you are interested, don’t be shy! Please let me know so that I can help you navigate the process and find a good committee to target. Please see http://www.the-aps.org/mm/hp/Audiences/APS-Committees/nominations for more details, which will include an updated list of committee vacancies closer to the deadline in January 2018.

How does the process work? Nominations are submitted through the online system (https://apps.the-aps.org/awardapps/login/index.cfm). All nominations from across the APS are reviewed by the CoC in early 2018 to identify the most suitable candidates; then CoC makes recommendations to APS Council. To boost your chances of success: 1. Clearly address why YOU are perfect for this committee assignment, highlighting your relevant background and experiences. Don’t forget to show that you understand the committee’s mission! 2. Have a strong support letter reinforcing why you are such a great fit, ideally written by an APS member known to the society more broadly. 3. Avoid nominating for committees that already have several members from the Renal Section or your institution – broad and diverse representation is important. This is a competitive process. Be strategic in your application but don’t be discouraged if you aren’t selected on the first try! And please do let me know if you are interested, I’m here to help!

Physiologists in Industry – Romer Gonzales-Villalobos

The Physiologists in Industry Committee is sponsoring an exciting symposium with Environmental & Exercise Physiology Section at EB 2017, Chicago, entitled "Nitric Oxide Pathway Modulation for Therapeutic Intervention and Exercise Enhancement" on Sunday April 23, 10:30-12:30 PM. This symposium will explore recently discovered therapeutic compounds and nutritional supplementation as a way to enhance NO pathway signaling in health and disease. It will provide a great opportunity for interaction and knowledge exchange between our academia and industry colleagues. This will be chaired by Dr. John Mattson and Dr. Kavaljit Chhabra.

The PIC Novel Disease Model Awards a postdoctoral and also a doctoral student award. This award recognizes a trainee whose investigation in a novel disease model has been designated by the Physiologists in Industry Committee as an outstanding example of experimental research. The winner of the postdoctoral award is Dr. T. Dylan Olver, University of Missouri, Columbia, for the project entitled “Elucidating the Mechanisms of Pial and Parenchymal Cerebral Small Vessel Disease in a Novel Porcine Model of HFpEF”. The winner of the predoctoral award is Ms. Kasi McPherson, University of Mississippi Medical Center, for the project entitled “Treatment with Lisinopril Delays the Early Progression of Proteinuria in a Novel Model of Prepubertal Obesity”. Both awards will be presented at the APS Business Meeting on Tuesday April 25, 2017 from 5:45 - 7:30 PM.

You're invited! Come meet, eat, and socialize with your fellow physiologists who are working in the corporate, industrial, academic, or government sector. The 16th Annual Physiologists in Industry Committee Mixer will be held on Sunday April 23, 6:45 – 8:00 pm in room Grant Park A of the Hyatt Regency McCormick Place and will feature a cash bar and free hors d’oeuvres. This is a great opportunity to network with industry and academic APS members alike. We hope to see you there!

Finally, the annual APS PIC meeting is scheduled on Sunday April 23, 2:30 - 4:00 PM. This is the committee’s annual opportunity to have a face-to-face meeting to discuss committee business and new initiatives. Please feel free to contact your PIC section representative if there are issues to be brought to the attention of the PIC. I am looking forward to see you at the EB meeting!
Updates from the Career Opportunities in Physiology Committee – Kelly Hyndman

Early Career Advocacy Fellowship seeks to engage early career investigators in advocacy activities and provide them with skills to become long-term advocates for scientific research. Applicants must be members in good standing of the APS, have received their doctoral degree within the previous ten years, and reside in the US during the period of the fellowship. Deadline: October 30, 2017.

The Dale J. Benos Early Career Professional Service Award honors an early career stage (graduate student, post-doctoral fellow, Assistant Professor or equivalent position) member of the APS with outstanding contributions to the physiology community and demonstrated dedication and commitment to furthering the broader goals of the physiology community. Deadline: January 24, 2018.

Minority Travel Fellowship Awards allow individuals who traditionally have been underrepresented in the physiological sciences to attend the APS meetings and conferences to increase active participation in and networking at scientific meetings among pre- and post-doctoral students. Awardees will receive up to $1,800 in expense reimbursement for registration and travel and is matched with an APS “Meeting Mentor” at the conference. Deadline: 1 week after the EB abstract or APS conference abstract deadline.

The Porter Physiology Development Fellowship, now in its 50th year, is open to underrepresented racial/ethnic minority graduate students who are pursuing full-time studies toward PhD in the physiological sciences. Applicants and their advisor/PI must be APS members. The annual stipend is $28,300. Deadline: January 15th. For full details, visit www.the-aps.org/porter.

Physiology Video Contest short YouTube videos created and submitted by undergraduate and graduate trainees. Videos will be voted on by both the Careers Committee and the general public. 1st place: $750 + up to $1,000 to partially cover travel costs to attend Experimental Biology. Viewer’s Choice: $250. For all details see http://bit.ly/2PXNaUQ. To see last year’s winners go to: http://bit.ly/2gG08mw.

News from the AJP Renal Journal Editor in Chief - Darwin Bell

I have been delighted to see the many highly impactful articles that the American Journal of Physiology-Renal Physiology has published over the past year, in exciting areas such as acute kidney injury, chronic kidney disease, diabetes, hypertension, the renin-angiotensin system, etc. My editorial team and I are particularly proud of our authors whose articles were selected as part of the APSselect initiative, which celebrates the best papers of all of the American Society of Physiology journals each month. (http://apsselect.physiology.org/).

Thanks to your support, our submission rate has remained steady this year, and our impact factor has continued to increase, from 3.390 (in 2015) to 3.611 (in 2016). It is fair to say that our journal has a sterling reputation among the kidney folks, but the fact that we also publish research articles on the bladder and urinary tract is less well known. So, to promote the inclusiveness of our journal, we recently adopted a new tagline: “A Journal for Kidney, Bladder, and Urogenital Research.”

We have overhauled our Calls for Papers and encourage you to submit to one of our new specials calls: 1. Inflammation and Inflammatory Mediators in Kidney Disease; 2. Molecular Mechanism of Renal Tubule; 3. Renal Control of Mineral Homeostasis; 4. Newer Therapies for Diabetic Nephropathy and Their Cardiovascular Effects; 5. Microbiome in Kidney and Bladder Diseases; 6. Mechanism and Treatment of Renal Fibrosis. Papers accepted under these calls will be published under a distinct heading and will receive special attention and handling. If you have recently submitted a paper in one of these areas and would like it included in the call, please contact Amy McEver (amcever@emory.edu).

Still not sure whether to submit your research to AJP Renal? Here are some reasons: no submission fees; no page or figure limits; cited half-life of ~9 years; 19 days to first decision; articles online within days of acceptance; open access option available.

What’s more, we are highly active on social media! Our Facebook page (http://www.facebook.com/AJPRenal) has almost 2000 followers who are kept up to date on recent publications, research opportunities, and news in renal physiology. Our page is extremely active, and it is informative and fun to follow.

Thank you for your continued support of AJP-Renal!
Darwin Bell, Editor in Chief, AJP-Renal
Greetings from the Renal Section Trainee Advisory Committee Representative!

The TAC’s role is to help APS support students, postdocs and junior faculty in academia, industry and government. I would like to express my sincere gratitude to the outgoing Renal Section Trainee Advisory Subcommittee: **Jessica Faulkner** (Augusta University), **Malgorzata Kasztan** (UAB), **Mykola Mamenko** (Augusta University), **Rob Menzies** (University of Edinburgh), **Blythe Shepard** (Georgetown University), **Viktor Tomilin** (UTHSC at Houston), and **Tiffani White** (INC Research/inVentiv Health). They have done a tremendous job! It has been a pleasure and an honor to serve as your TAC representative! I am delighted to announce that **Malgorzata (Gosia) Kasztan** will be the **New Renal TAC Representative**, her term starting in January, 2018!

Keep an eye open for the **Call for Applications** if you would like to be considered for a Subcommittee position.

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**TRAINEE ADVISORY COMMITTEE - Daria Ilatovskay**

**Thank you for coming to Posters and Professors at EB 2017 SEE YOU IN 2018!**

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**Renal Section Chair & SAC Representative**

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**APS Committee on Committees**

Erika Boesen, PhD (04/17-04/20)
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**APS Joint Program Committee**

Pablo Ortiz, PhD, Chair (01/14-12/17)
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**Renal Section Sage**

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**The Renal Section is on FACEBOOK!**

We are growing, please join us!
Please consider following the APS Renal Section, The American Trainees – it’s a great way to stay in touch with the Section and get all the important updates.
Email us at: **aps.renalsection@gmail.com**.

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[HO!]

And A Very Happy New Year to All!