Message from the Renal Section Chair
John Imig

Welcome Renal Section members as we prepare for EB20 in San Diego, California. The APS Renal Section Steering Committee is preparing for an exciting meeting.

Many thanks to outgoing Steering Committee member Kathleen Hering-Smith, APS Renal Section Secretary and Ed Inscho, APS Renal Section Joint Programming Committee representative for their service to the APS Renal Section. Welcome to Carolyn Ecelbarger, APS Joint Programming Committee representative and Alison Kriegel, APS Renal Section Secretary.

Finally, a big thank you to the APS Renal Section members for their continued strong financial support for the section and collaboration to maintain our high-quality scientific sessions. The APS Renal Section Steering Committee looks forward to working with APS Renal Section members to keep our section strong.

EB19 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 highlight the outstanding science of 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.

EB20 abstracts are due on November 14, 2019. Please note the deadline for award applications described in the Newsletter. We have an exciting APS Renal Section scientific program thanks to our JPC representatives, David Ellison, Anita Layton, and Carolyn Ecelbarger. As communicated to the APS membership, APS will part ways with EB following the 2022 meeting and begin the process of building a new, world-class meeting for APS. Please share your ideas and suggestions to the APS Renal Section JPC representatives and Steering Committee members.

The Renal Dinner will be held on Monday, April 6, 2020. Daria Ilatovskaya, 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 2020 in sunny San Diego (April 4 to 7) is fast approaching and promises to be another 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.

Oral presentations for the **Young Investigator Featured Topic** will be selected from the abstracts submitted to 1297-APS. The two other Featured Topics sessions (**Advances in Renal Physiology I and II**) will be programmed from the highest scoring abstracts submitted to the Renal Section topics below. The trainee authors of the top two scoring abstracts will be invited to serve as co-chairs for the oral session.


**Please be sure to submit your abstracts to one of the Renal Section Topics listed below.**

**EB2020 Renal Section Abstract Topics**

- 1300-APS  Acute kidney injury
- 1301-APS  Renal complications of polycystic disease
- 1302-APS  Diabetic kidney disease
- 1305-APS  Kidney in hypertension
- 1306-APS  Nutrition, exercise and metabolic syndrome in renal function
- 1307-APS  Omics and systems biology of renal function and disease
- 1308-APS  Oxidative stress and hypoxia in the kidney
- 1309-APS  Renal hemodynamics, glomerular filtration, and the renal vasculature
- 1310-APS  Renal ion transport, transporter regulation, and trafficking
- 1311-APS  Renal pathology, toxicology
- 1312-APS  Renal translational physiology
- 1313-APS  Renal water transport, urea transport, and countercurrent mechanisms
- 1314-APS  Sex differences in renal function and disease
**Sunday, April 5, 2020**

8:30-10:00 Renal Section Young Investigator Award Featured Topic:  
'Salt-sensitivity in CKD'  
**Presented by:** Dr. Ewout Hoorn the 2020 Renal Section Young Investigator Awardee

1:30-2:30 Renal Section Carl Gottschalk Lecture: Dr. Edward Inscho

**Monday, April 6, 2019**

1:30-3:00 Featured Topic: Advances in Renal Physiology I (selected from highest scoring abstracts submitted to any Renal Section abstract category)  
**Chairs:** Anita Layton and highest scoring trainee abstract author

3:30-5:00 Renal Section Symposium: SGLT2 Inhibition and Vascular Regulation: Insights into Cardiorenal Protection  
**Chairs:** David Cherney and Julie Lovshin

**Tuesday, April 7, 2020**

8:30-10:00 Featured Topic: Advances in Renal Physiology II (selected from highest scoring abstracts submitted to Renal Section)  
**Chairs:** Carolyn Ecelbarger and highest scoring trainee abstract author

1:30-3:00 Renal Section Symposium: Urinary micro-RNAs in kidney disease  
**Chairs:** Lilach O. Lerman and John (Cijiang) He

**Submit Symposia Proposals for EB2021**

We encourage everyone to submit a proposal for Renal Section Symposia at the Experimental Biology 2021 meeting. We especially encourage junior investigators to organize these sessions. This is a great opportunity to ask friends, 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 very easy.

There is a form (EB Section-Sponsored Symposia Form) available for download at the following website: https://www.the-aps.org/professional-development/meetings-events/Experimental-Biology/docs/default-source/meeting/eb20-symposium-form.

Simply send (email) the completed form to one of us on the JPC by March 30, 2020, so that we have time to discuss the proposal at EB2020. 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.**
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 a large number of applications in every category. The abstracts and applications were of extraordinary quality and the 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 elsewhere in the newsletter for how to nominate others – or yourself – for Renal Section awards. The following Renal Section awards were bestowed at EB 2019 in Orlando, Florida. Sincere congratulations to all the awardees for their outstanding contributions to kidney research!!!

We also encourage renal section members to submit applications and nominations for the Renal Section Awards. **Deadlines** for several of the 2020 Renal Section awards are just around the corner! **November 21st, 2019** for Predoctoral, Postdoctoral, Research Recognition, New Investigator, and the Berliner awards. The deadline for the Young Investigator and Gottschalk awards is **February 28th, 2020**. A full list of all the awards and eligibility criteria can be found at: [http://www.aps.org/mm/awards/sections/renal](http://www.aps.org/mm/awards/sections/renal)

Please do not forget to apply for Awards. We are looking forward to your applications!!!
2019 Renal Section Predoctoral Excellence in Renal Research Award

This award recognizes the predoctoral students who were first authors on an abstract involving renal-based research at EB2019. In 2019 there were 32 applications. Of the 5 finalists (shown below), the winner was Susan Ghazi from the University of Zurich. Susan's research was done under the guidance of Dr. Andrew M. Hall.

Finalists for the 2019 Renal Section Predoctoral Excellence in Renal Research Award. Pictured from L to R are: Dr. Imig, Susan Ghazi (winner, University of Zurich), Marcello Polesel (University of Zurich), Jason Engel (University of Mississippi Medical Center), Dr. Hoover, Adrienne Bushau-Sprinkle (University of Louisville); Kevin Agostinucci (New York Medical College); and Dr. Sullivan.

2019 Renal Section Postdoctoral Excellence in Research Award

This award recognizes the postdoctoral fellows who were first authors on an abstract presented at the EB meeting involving renal-based research. In 2019 there were 25 applications. The 5 finalists (see picture) were: Ryan Cornelius (Oregon Health and Science University); Autumn Harris (University of Florida); Viktor Tomilin (University of Texas Health Science Center at Houston); Jin Wei (University of South Florida); and Jing Wu (University of Iowa). This year’s winner was Autumn Harris (University of Florida). Autumn’s research was done under the guidance of Dr. David Weiner.

Finalists for the 2019 Renal Section Postdoctoral Excellence in Renal Research Award. Pictured from L to R are: Dr. Imig, Jing Wu (University of Iowa), Autumn Harris (winner, University of Florida) Viktor Tomilin (University of Texas Health Science Center at Houston), Dr. Hoover, Ryan Cornelius (Oregon Health and Science University) and Dr. Sullivan.
2019 Renal Section Research Recognition Awards

These awards recognize meritorious research by young investigators (junior faculty) participating in the EB2019 meeting. In 2019 there were 9 excellent applications. The awardees were Alfonso Eirin (Mayo Clinic), Di Feng (Beth Israel Deaconess Medical Center), Eman Gohar (University of Alabama at Birmingham), and Blythe Shepard (Georgetown University).

The 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 was: Daria Ilatovskaya from the Medical University of South Carolina.

Awardee of the 2019 Renal Section New Investigator Award. Pictured from L to R are: Dr. Hoover, Daria Ilatovskaya (Medical University of South Carolina), and Dr. Sullivan.
EVENT OF THE YEAR! Renal Section Banquet
Do not miss the Renal Section event of the year and the Awards ceremony!

WHERE:
615 Broadway
San Diego, CA  92101

WHEN:  Monday, April 6, 2020
6:30 pm – 7:15 pm – reception at the Parq Restaurant
7:30 pm – 10 pm – seated dinner and awards reception at the Parq Nightclub

Please check APS Connect Emails for the link to purchase Renal Dinner tickets, and remember that they sell fast! The price will be $85 for faculty and $45 for trainees.

Your entrée choice will be due Friday, March 20. There is no way we can guarantee an entrée choice if you purchase your ticket after March 20. For post-March 20 dinner ticket purchases, entrees will be available on a first come-first serve basis only.

We would like to sincerely thank you for donating to Renal Section Endowment Fund, so that we could steadily support our trainees and awards in the future. Please consider donating to Renal Section this year and do not forget that if you choose to donate to Renal Endowment Fund, APS will generously match it!

If you have any questions, please contact Daria Ilatovskaya, ilatovskaya@musc.edu or Ann Marie Bocus, APS Sections Administrator: abocus@the-aps.org or (301) 634-7976.

Tickets purchase link will be disseminated in November.

See y’all in San Diego!
The importance of hypoxia was thrust into the spotlight when the 2019 Nobel Prize in Physiology or Medicine was awarded to William G. Kaelin Jr., Sir Peter J. Ratcliffe (a nephrologist!) and Gregg L. Semenza for their discoveries of how cells sense and adapt to oxygen availability. We recognize the relevance of that work to the kidney, not only because of production of EPO by the kidney, but also because of the kidney’s susceptibility to hypoxic injury. Indeed, renal hypoxia has been implicated as one of the major causes of acute kidney injury and chronic kidney diseases.

We encourage you to submit your hypoxia-related studies to us. In particular, renal hemodynamics, a major determinant in the availability of oxygen in renal tissue, is the topic of one of the on-going Calls for Papers. Timo Rieg (University of South Florida) serves as Editor for the Call for Papers on: “Renal Hemodynamics,” in honor of Dr. Roland Blantz (University of California at San Diego) who was an outstanding scientist and made major contributions to our understanding of renal hemodynamics in health and disease.

I am proud of our journal’s social media outreach. The credit goes to Dr. Kelly Hyndman (University of Alabama at Birmingham), our Social Media Editor. With Dr. Hyndman on board, AJP Renal has established a strong social media presence. On Facebook and Twitter, we regularly highlight call for papers (see figure), editorials, new research articles, reviews, and past publications #TBTRenal with visual abstracts. Mondays are our #MinireviewMonday where we hope you will take a few minutes to review a kidney focused mini-review! Check us out on Twitter and follow us on Facebook @AJPRenal. We love sharing our great publications with the community so please tag us with the #AJPRenal and retweet and share our visual abstracts!

It has been more than 6 years since I took over as the Editor-in-Chief of AJP Renal. I have continued to be impressed by the highly impactful work that you have submitted to us, in exciting areas such as acute kidney injury, chronic kidney disease, diabetes, hypertension, the renin-angiotensin system, bladder physiology, etc. My editorial team and I are always evaluating our editorial process to ensure we’re finding ways to better serve our community and support the discipline. And my team and I are determined to make this seventh (and last) year our best!

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 and Subcommittee!
The TAC’s role is to help APS support trainees, graduate and undergraduate students, postdocs, and junior faculty in academia, industry and government.

As our Renal Section EB2019 annual networking event “Posters and Professors” was a great success we are currently in the process of organizing the next one. So keep your eyes open for more details. We hope to see you again in San Diego!!!

The 2020 EB abstract deadline is November 14! Our section has many awards for trainees so as you prepare to submit your first authored abstract for EB 2020 remember to apply to some of them. Instructions can be found at http://www.the-aps.org/mm/awards

Here are some of the awards geared for Trainees at EB 2020:

**Predoctoral Excellence in Renal Research Awards**  
(Deadline – November 21, 2019)

**Postdoctoral Excellence in Research Awards**  
(Deadline – November 21, 2019)

**Caroline tum Suden/ Frances A. Hellebrandt Professional Opportunity Awards**  
(Deadline – November 14, 2019)

**Martin Frank Diversity Travel Fellowship Award**  
(Deadline – November 21, 2019)

**Translational Research Award for Pre-doctoral Student**  
(Deadline – November 14, 2019)

**Translational Research Award for Postdoctoral Student**  
(Deadline – November 14, 2019)

**Research Recognition Award**  
(Deadline – November 21, 2019)

**Dale J. Benos Early Career Professional Service Award**  
(Deadline – February 21, 2020)

**Renal Section Young Investigator Award**  
(Deadline – February 28, 2020)

Please consider following the APS Renal Section, The American Physiological Society, and APS Trainees – it’s a great way to stay in touch with the Section and get all the important updates. Email us at asp.renalsection@gmail.com.

Feel free to address the Renal TAC with any questions or concerns! We are here to do our best to improve Renal Section Trainees experience. Current Renal Section Trainee Advisory Subcommittee Members and email addresses are listed on the last page of this newsletter.
Committees in particular need of Renal Section representation are:
Conference Committee and International Committee. The Porter Physiology Development and Minority Affairs Committee will likely have multiple vacancies and would be great for Renal section members to consider as well. If there are other committees of interest to you, you are also most welcome to apply. Please see the APS website for more details on what each committee does. For more details please see: https://www.the-aps.org/community/aps-communities/committees.

How does the process work?
Nominations are submitted through the online system: (https://apps.the-aps.org/awardapps/login/).

All nominations from across the APS are reviewed by the Committee on Committees (CoC) in early 2020 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!

Congratulations to the following Renal Section members on being appointed to an APS-wide committee:
Nirupama Ramkumar – Careers
Victoria Halperin Kuhns – Education
Alicia McDonough – Chair, Conference
Ora Weisz – Publications
Meredith Cobb – Science Policy
Di Feng – Women in Physiology

Thank you to all who applied, we had an excellent slate of nominees from our section. For those who were unsuccessful this time around, please keep trying!

Thank you to the following Renal Section members who will complete their terms at the end of the year:
David Pollock – Chair, Conference
Thomas Pannabecker – Conference
John Lorenz – Education
David Ellison – Publications
Tiffany White – Science Policy

This means that **we need new people** to fill upcoming vacancies on APS-wide committees, with terms starting in 2021. This is a great opportunity to get involved, make a difference, and to meet a variety of active and engaged APS members across sections. People of **all career stages** are welcome to apply. 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!

Applications are due in **January 2020** (date TBA). 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.
PIC Translational Research Awards
The Physiologists in Industry Committee “Translational Research Award” is given to one postdoctoral fellow and one doctoral student each year. This award recognizes a trainee whose performed research that is translatable to industry applications and has been designated by PIC as an outstanding example of experimental research. The winner of the 2019 postdoctoral award was Dr. Malgorzata Kasztan, University of Alabama at Birmingham, for the project entitled “Glomerular Hyperfiltration Predicts the Onset of Chronic Kidney Disease in Humanized Sickle Cell Mice”. The winner of the predoctoral award was Nicholas VanDongen, University of Colorado at Boulder, for the project entitled “Transfer of Young Gut Microbiota Ameliorates Age- and Western-Style Diet-Related Vascular Endothelial Dysfunction in Mice”.

APPLY for a 2019 PIC Translational Research Award.
The deadline for the 2019 Physiologists in Industry Committee “Translational Research Award” is November 14, 2019. Applicants will be evaluated on their first-author EB meeting abstract, supplementary description of their project and career goals. We encourage postdoc and graduate students with outstanding translational research to apply.

Physiologists in Industry Committee Mixer
The Annual Physiologists in Industry Committee Mixer at the Experimental Biology meeting is a great opportunity to network with industry and academic APS members. Every year trainees as well as seasoned scientists from several backgrounds engage them in discussion about careers, research, and opportunities in industry positions. We look forward to free hors d’oeuvres and drinks (cash bar) at the PIC Mixer at EB 2020.

EB 2019 PIC Symposium
In order to foster greater interaction among sections, academia, and industry, the 2019 PIC symposium will focus on basic sciences topics with preclinical stages of development and translation that has broad appeal to cross sectional APS members. I am pleased to announce the 2019 symposium has a renal theme. Indeed, the title of 2019 PIC symposium is “Novel Mechanisms and Therapeutic Targets for Vascular Aging” on Monday April 6th, 2019 from 3:30 PM to 5:00 PM in room W311B.

We look forward to seeing you at these events at EB2020 in San Diego!

Romer A. Gonzalez-Villalobos, MD, PhD
Rgonz180@its.jnj.com
Industry Liaison/Renal Section
The APS Local Undergraduate Research Awards in Physiology (LURAP)
LURAP allows APS Members to recognize excellence in undergraduate physiology research at their home institutions. The award fosters interest in physiological research for undergraduates, encourages them to continue with physiological studies, and provides networking with APS members at their home institutions. The award package includes a certificate, an APS t-shirt, and a free one-year undergraduate membership. Visit www.the-aps.org/lurap for more information.

Check out awards from the APS
There are a number of awards for various career stages from undergraduate to senior physiologists! Visit https://www.the-aps.org/professional-development/awards to see the list and the fall deadlines!

Professional Skills Training (PST)
The APS PST Program promotes the development of key professional skills among graduate and postdoctoral students and new investigators by offering effective live and online interactive courses. Visit http://www.the-aps.org/pst for more information.

The next live course offered is Writing and Reviewing for Scientific Journals, which takes place January 23-26, 2020 in Orlando, FL. Attendees will have the opportunity to work in person with journal editors and highly-published authors to improve your first-author draft manuscript. Learn about the submission process and receive feedback on your draft manuscript. Spaces are limited; applications are due on or before December 1, 2019.

REQUIREMENTS: Must be a graduate student, postdoctoral fellow or early career investigator who is open to critiques, wants to expand their professional network, and will have a first-author draft manuscript prepared by December 2019.

NEW!! The Federation of American Societies for Experimental Biology is offering the DREAM Trainee Travel Award for up to $1000 to defray costs of attending this training course. Apply at surveymonkey.com/r/APSPSTC2020. Application Deadline Date: November 18, 2019. Course and application details can be found at http://www.the-aps.org/pst.
Dear Renal Section Members:

The rank of Fellow of the American Physiological Society (FAPS) is an elite member status reserved to honor distinguished leaders who have demonstrated excellence in science, have made significant contributions to physiological sciences and related disciplines and have served the Society. The designation of Fellow is an honor and shall remain valid for the duration of APS membership. Candidates should consider the advancement to Fellow status to be an opportunity to become more active in the internal affairs of the Society, including serving in a leadership capacity.

After the inauguration of the APS Fellow Program in 2015, the program has been opened for the submission of applications from APS members. The 4th round of submissions and evaluations has been completed in 2018. Currently, 9.3% of all APS members with FAPS status list the Renal Section as their primary affiliation (total of 25). This is similar to the percentage of Primary Renal Section members within the APS, which is 7.8% (total of 656).

The next deadline for the application process is February 3, 2020 and, therefore, I want to encourage the members of the Renal Section to review the nomination process and the requirements. These include at least fifteen (15) consecutive postdoctoral years of regular and/or emeritus member status prior to the year of nomination, and two (2) written recommendations from current APS Regular or Emeritus members. Please see the following APS link for further requirements and application details:


I am hoping that the APS Renal Section will continue to establish a good representation of its outstanding and accomplished members among the APS Fellows. Please contact me in case you have any further questions.

Best regards and thanks for your application,

Volker Vallon
Renal Section FAPS Committee Representative
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