



The American Physiological Society

Renal Section Newsletter

Spring 2019

KS Hering-Smith, Editor

EB 2019 & RENAL SECTION HIGHLIGHTS

Sunday April 7

**2019 Renal Section Young
Investigator Award**
Featured Topic:

**At the Nexus of Circadian
Biology & Renal Physiology**
Michele Gumz
8:30-10:00 AM, W311A

2019 PIC Symposium
SGLT2 inhibitors: from basic
physiology to clinical success
1:30-3:00 PM, W311B

**Mechanisms of
Hypertension-induced
Kidney Damage**
3:30-5:30 pm, W311D

**Walter B. Cannon
Award Lecture**
Peter Aronson
5:30 PM, OCCC, W314

Posters & Professors
6:30-8:00 PM
Hyatt Regency Orlando,
Ballroom M/N

Monday April 8

**Advances in Renal
Physiology I**
1:30-3:00 pm, W311D

**2019 Gottschalk
Distinguished Lecturer**
R. Ariel Gomez
3:30-4:30 pm, W311EF

**Henry Pickering Bowditch
Award Lecture**
Jennifer Pluznick
5:30-6:30 pm, OCCC W314

2019 Berliner Awardee
Allen Cowley Jr.

Renal Section Banquet
Lafayette's'
6:00 – 9:00 pm

Tuesday April 9

**Advances in Renal
Physiology II**
8:30-10am, W311G
**Mighty Concepts of
Mitochondrial Biology in the
Kidney**
1:30-3:30 pm W311G

Message from the Renal Section Chair John Imig



EB2019 is fast approaching!
The APS Renal program put together by the Renal
Section Program Committee is outstanding.

The program includes: 1) symposia on mechanisms of hypertension induced kidney damage and mitochondrial biology in the kidney, 2) Featured Topics on renal physiology and disease as well as the Young Investigator Featured Topic session on circadian rhythms and kidney blood pressure regulation.

The Renal Section will honor three major award winners: **Allen Cowley, Jr.** is the 2019 Berliner awardee, **R. Ariel Gomez** is the 2019 Gottschalk Distinguished Lecturer, and **Michelle Gumz** is the 2019 Renal Section Young Investigator awardee.

A major highlight for the Renal Section is the **Posters & Professors** session that will be held on Sunday, April 7th from 6:30-8:00 PM, in Orlando Room MN at the Hyatt Hotel and will feature 20 trainee posters plus drinks and snacks. Malgorzata (Gosia) Kasztan (Chair) and the Trainee Advisory Committee members have made a tremendous effort to facilitate and enhance interactions with the trainees during this session. Do not miss this major APS Renal Section event.

The **APS Renal Section Banquet** promises to be a grand celebration as we will be on Monday April 8th at Lafayette's. We sell out the Renal Dinner every year, so be sure to purchase tickets ASAP; tickets are sold online only at www.the-aps.org/mm/hp/Audiences/Sections/banquets.

A huge **THANK YOU** to everyone that continues to support the Renal Section! Your generosity over the past couple of years has increased the APS Renal Section Endowment to a state that will ensure the long term financial wellbeing for the section. We continue need your support for Renal Section activities.

I encourage you to donate – the link in the Renal Section website is <http://www.the-aps.org/mm/hp/Audiences/Sections/Renal>. You can designate your contribution to go to either the Endowment (your contributions are matched by APS) or the General Fund (money can be immediately used to support any Renal Section ventures).

I look forward to seeing you all in Orlando!



JOINT PROGRAMMING COMMITTEE

Edward Inscho (Chair)

David Ellison (Co-Chair)

Anita Layton (Incoming Co-Chair)



EB2019 is here and we are already busy planning for EB2020, so we ask you to think, propose and generate new and exciting symposia to include in future EB meetings. 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: (<http://www.the-aps.org/mm/Conferences/EB>). Simply send (email) the completed form to one of us on the JPC by March 30, 2019, so that we have time to discuss the proposal at EB2019. 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. We will work with you to try to get it programmed. Please contact me (einscho@uab.edu), David Ellison (ellisond@ohsu.edu) or Anita Layton (anita.layton@uwaterloo.ca) ASAP with symposium ideas for EB2020 programming and we will send you the simple forms required for submitting a session topic and to discuss potential topics with you.

We have a very exciting program planned for EB 2019 which includes 2 symposia, 2 featured topics, and 2 award lectures. As you can see below, most of our section's activities are in nearby rooms. The 2 featured topics are composed of all the abstracts submitted to the Renal Section that were judged most meritorious after stringent review. Thus, they feature some of the most exciting science being done by Renal Section members. We are also honoring the 2018 Young Investigator awardee, Michelle Gumz (University of Florida), and the Carl Gottschalk Lecturer for 2019, R. Ariel Gomez (University of Virginia), who will be presenting lectures on Sunday (8:30 AM) and Monday (3:30 PM), respectively.

See you soon in Orlando!

EB2019 Renal Section Specific Program

Sunday, April 7, 2019

8:30 AM - 10:00 AM (Room W311A)

- [Renal Section Young Investigator Award Featured Topic: At the Nexus of Circadian Biology and Renal Physiology](#)

Chair: Michelle Gumz

3:30 PM - 5:00 PM (Room W311D)

- [Mechanisms of Hypertension-induced Kidney Damage](#)
- Chair: Ningjun Li — Co-Chair: Minolfa C. Prieto

Speakers

[Hypertension and the Progression of Chronic Kidney Disease](#). Karen Griffin, Medicine, Loyola University Medical Center

Novel signaling in renal autoregulation. Zhengrong Guan, Medicine, University of Alabama at Birmingham

The role of renal perfusion pressure in renal immune cell infiltration. Louise Evans, Physiology, Medical College of Wisconsin

Molecular signals mediating hypertension-induced renal injury. Ningjun Li, Pharmacology, Virginia Commonwealth University

Monday, April 8, 2019

1:30 PM - 3:00 PM (Room W311D)

- [Advances in Renal Physiology I](#)

Chair: David Ellison

3:30 PM – 4:30 PM (W311EF)

- [Carl W. Gottschalk Distinguished Lectureship of the APS Renal Section](#)

R. Ariel Gomez (University of Virginia) Monday, April 8, 2019

Tuesday, April 9, 2019

8:30 AM - 10:00 AM (W311G)

- [Advances in Renal Physiology II](#)

Chair: Anita Layton

1:30 PM – 3:00 PM (Room W311G)

- [Mighty Concepts of Mitochondrial Biology in the Kidney](#)

Chair: Sandeep K. Mallipattu — **Co-Chair:** Ying Li

Speakers

Altered mitochondrial metabolism in AKI and CKD. Prabhleen Singh, University of California, San Diego

Role of mitophagy (mitochondrial autophagy) in kidney disease. Zheng Dong, Augusta University

Mitochondrial function and biogenesis in AKI. Samir Parikh, Medicine, Beth Israel Deaconess Medical Center

Renal Section Poster Sessions

1300-APS	Acute kidney injury
1301-APS	Renal complications of polycystic disease
1302-APS	Diabetic kidney disease
1303-APS	Hormone and autacoid effects on the kidney
1304-APS	Immune cells and inflammation impact on kidney function and hypertension
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



Awards Committee

Robert S. Hoover, Chair

Jennifer Sullivan, Co-Chair



The APS Renal Section Awards Committee received a large number of very high quality abstracts and applications in every category. All awardees were carefully selected from a highly competitive pool of meritorious applicants, so if you were unsuccessful this year please consider an application for the APS Renal Section awards next year. Finalists for the 2018 Renal Section Pre- and Postdoctoral Awards will present their work in a poster format and be judged at the Renal Section Posters and Professors Event at the Experimental Biology meeting Sunday, April 7, 2019 from 6:30 PM - 8 PM, at Hyatt Regency Orlando Ballroom M/N. Everyone is welcome to attend this session not only to assess the quality of selected posters, but also to interact with your peers, create new contacts, and relax after the first day of the meeting. Thank you very much to all participants in this year's competition, keep up the excellent research and make sure to submit again next year.

Finalists for the 2019 Renal Section **Predoctoral Excellence in Research Award** (in alphabetical order) are: **Kevin Agostinucci** (New York Medical College); **Adrienne Bushau-Sprinkle** (University of Louisville); **Jason Engel** (University of Mississippi Medical Center); **Susan Ghazi** (University of Zurich); and **Marcello Polese** (University of Zurich). Finalists for the 2019 Renal Section **Postdoctoral Excellence in Research Award** are: **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). Winners in these categories will be announced at the Renal Section Banquet to be held on Monday, April 8th, 2019 (At Lafayette's, 9101 International Drive Suite #2220 Orlando, FL – don't forget to buy a ticket if there are some left).

Three years ago, in order to recognize the outstanding quality of the renal research being

conducted by our junior scientists, we introduced **Trainee Recognition Presentations** from the highest scored candidates whom the Committee did not select as finalists in the competition. It was received very well and we continue this tradition in 2019. This year we will have presentations (also at the Renal Section Posters and Professors Event) from: **Predoctoral** – Daniel Fehrenbach (Medical College of Wisconsin), Anna Manis (Medical College of Wisconsin), Patrick Molina (University of Alabama at Birmingham), Denisha Spires (Medical College of Wisconsin) and Dingguo Zhang (University of Alabama at Birmingham). **Postdoctoral** – Malgorzata Kasztan (University of Alabama at Birmingham), Christine Klemens (Medical College of Wisconsin); Riyaz Mohamed (Augusta University) Derek Truyen Pham (Emory University); and Fitra Rianto (Emory University).

Also, at the Renal Section Banquet, awards will be presented to the **2019 Renal Section New Investigator Awardee Daria Ilatovskaya** from the Medical University of South Carolina and to the **2019 Renal Section Research Recognition Awardees: Alfonso Eirin** (Mayo Clinic), **Di Feng** (Beth Israel Deaconess Medical Center), **Eman Gohar** (University of Alabama at Birmingham), and **Blythe Shepard** (Georgetown University). Special thanks to the **2018 Renal Section Awards Committee** composed of Erika Boesen (UNMC), Krishna Boini (Univ. of Houston), Henrik Dimke (USD, Denmark), Robert Hoover (Emory; Chair), James McCormick (OHSU), Jennifer Pluznick (JHU), Timo Rieg (USF), Aylin Rodan (Univ. of Utah), Clintoria Williams (Wright State), and Jennifer Sullivan (Augusta Univ: Co-Chair.). The **committee for selecting the New Investigator Award** consisted of Edward Inscho (UAB, Chair), David Ellison (OHSU), Robert Hoover (Emory), and Jennifer Sullivan (Augusta Univ).

We thank Ann Marie Bocus at APS for her excellent administrative support.



News from the Treasurer Daria Ilatovskaya

Renal Banquet 2019:

WHERE: Lafayette's,
aka Orlando's Music Room
9101 International Drive, Suite#2220
<http://lafayettes.com/orlando/>
Lafayette's, is a short walk from the
Convention Center.

WHEN: **April 8th, 2019 (Monday)**
Reception 6:00-7:00 pm
Dinner 7:00-10:00 pm

COST: \$85 USD Faculty
\$45 USD



TICKETS: www.the-aps.org/mm/hp/Audiences/Sections/banquets

DEADLINE: All ticket sales will close by 12:00 pm on the day of the event. Tickets will be sold on a first-come, first-served basis and will not be available for purchase onsite.

If you have any questions, please contact Daria Ilatovskaya, ilatovskaya@musc.edu.

Finally yet very importantly, please consider donating to Renal Section this year and don't forget that if you choose to donate to **Renal Endowment Fund**, APS will generously match it!

Please go to <http://www.the-aps.org/mm/hp/Audiences/Sections/Renal> to donate.

Thank you for the continuous support of the section events and our trainees!



News from the AJP Renal Journal Editor in Chief

Darwin Bell

It has been almost 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.

My editorial team and I feel strongly about connecting with our trainees and providing opportunities to promote their careers. To achieve that goal, we have been publishing a series of articles that target trainees: Mini-Review---Emerging Concepts. The goal of these articles is to focus on current topics and emerging areas of research that trainees in renal physiology are addressing. This is an invitation-based series of articles. Initial invitations

are typically extended to trainees and early career finalists and awardees selected by the American Physiological Society Renal Section Awards committee for acknowledgment at EB. In the past this has included all finalists for the Renal Section Pre-doctoral and Post-Doctoral Excellence in Renal Research Awards and the Renal Section Research Recognition Awardees. Stay tuned for another series of Mini-reviews later this year!

Call for Papers

aps American Physiological Society | AMERICAN JOURNAL of PHYSIOLOGY
Renal Physiology
A Journal for Kidney, Bladder, and Urteral Research

Epigenetics and microRNA's in kidney physiology and pathophysiology

Circadian rhythms or time-of-day effects in renal physiology, the urinary system, blood pressure or volume and electrolyte regulation

Sex and Gender in Renal Health and Function

Inflammatory Mediators in Kidney and Bladder Diseases and in Hypertension

Mechanism and Treatment of Renal Fibrosis

Submit by June 2019

I have appointed two guest Editors; **Michelle Gumz** (University of Florida), who is managing manuscripts for our Call for Papers on: "Circadian rhythms or time-of-day effects in renal physiology, the urinary system, blood pressure or volume and electrolyte regulation." The other is **Timo Rieg** (University of South Florida), who is serving 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.

Earlier this year, AJP Renal revamped its social media outreach. That effort began with the appointment of **Dr. Kelly Hyndman** (University of Alabama at Birmingham) as the Social Media Editor, a new position. With Dr. Hyndman on board, AJP Renal has seriously expanded its 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!

We look forward to seeing you at the 2019 FASEB Meeting in Orlando. Please be sure to stop by the APS booth in the exhibit hall. On Sunday night, APS will be hosting the annual Editorial Board Member dinner. At that dinner we will honor our Star Reviewers, who consistently volunteer their valuable time and expertise to maintain the scientific standards of our journal: **Stephen Crowley** (Duke University), **Oleh Pochynyuk** (University of Texas Health), and **Rebecca Hughey** (University of Pittsburgh). As always, we appreciate all your effort that goes into reviewing for our journal.

Thank you for your continued support of AJP-Renal.

Darwin Bell, Editor in Chief, AJP-Renal



COMMITTEE on COMMITTEES

Erika Boesen

As you are reading this, the current crop of applications for service on APS-wide committees are under review! Having enthusiastic and hard-working committee members is critical to the success of the APS as a member-driven society.

Thank you to those Renal Section members who have thrown their hats into the ring! If you would like to know more about the selection process and future opportunities, please come and find me at EB, send me an email sometime (erika.boesen@unmc.edu), or check out the APS website: <http://www.the-aps.org/mm/hp/Audiences/APS-Committees>. Applications to start service on committees in 2021 will be due in January 2020.



TRAINEE ADVISORY COMMITTEE

Gosia Kasztan

Greetings from the New Renal Section Trainee Advisory Committee Representative, Malgorzata (Gosia) Kasztan!

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



I would like to sincerely thank Jessica Faulkner for tremendous work she did for to the Renal Section. Also I would like to welcome a new member of the Renal Section Trainee Advisory Subcommittee, Georgina Gyarmati.

EB2019 is coming! A complete list of trainee sessions and activities may be accessed at <http://www.apsebmeeting.org/>.

Below are some activities geared for trainees at EB 2019!

Career Development Workshop for Grads and Postdocs:

Saturday, April 6:

Networking Skills, Constructing Your Elevator Pitch, Mentoring,
1:15-2:45 pm, OCCC, W305A, W307D, W305B

Sunday, April 7:

Career Planning: No Scientist Left Behind
7-8 am, OCCC, W311C

Marketing Yourself for a Successful Career I
7-8 am, OCCC, W311B
The Hidden Job: Skills for a Career in Physiology
7-8 am, OCCC, W311D

Monday, April 8:

Transitions at the Mid-Career Point
9:30-11:30 am, OCCC, W306AB
A Word of Advice: Success in Scientific Publishing 5:30-7pm, OCCC, W303ABC
Difficult Conversations at All Levels
5:30-7pm, OCCC, W306AB

Tuesday, April 9:

Marketing Yourself for a Successful Career III
7-8 am, OCCC, W311B
The Hidden Job: Aspects of a Physiology Career You May not be Aware Of
7-8 am, OCCC, W311D



Please come to the Posters and Professors Session!

This event will feature a friendly atmosphere allowing for networking with all those amazing scientists you were so scared to talk to. Free drinks and snacks! Mark your calendars for

**Sunday, April 7th, 6:30-8:00 PM,
Hyatt Regency Orlando, Ballroom
M/N.**



[Join us on FACEBOOK!](#)

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.

[Contact us!](#)

Feel free to contact the Renal TAC with any questions or concerns! We are here to do our best to improve Renal Section Trainees experience.



[Current Renal Section TAC Subcommittee members are:](#)

Malgorzata (Gosia) Kasztan, mkasztan@uab.edu;
Ina Maria Schiessl, ina.maria.schiessl@gmail.com;
Victor Tomilin, Viktor.Tomilin@uth.tmc.edu;
Blythe Shepard, blythe.shepard@georgetown.edu;
Christine Klemens, cklemens@mcw.edu;
Georgina Gyarmati, Gyarmati.Georgina@med.usc.edu;
Riyaz Mohamed, RMOHAMED@augusta.edu.

Nominations for APS Fellow Program

Volker Vallon

Dear Renal Section Members:

Please consider to apply for the APS Fellow Program. The election and designation of APS Fellow (FAPS) is honorific and acknowledges outstanding scientific and professional accomplishments, as well as leadership and service to APS. Candidates should consider the advancement to Fellow status to be an opportunity to become more active in the internal affairs of APS, including serving in a leadership capacity.

The annual deadline for the application process is **February 1** and, therefore, I want to encourage the members of the Renal Section to review the nomination process and the requirements, obtain two (2) written recommendations from current APS Regular or Emeritus members, and submit your application/nomination.

Please see the following APS link for further details:

<http://www.the-aps.org/mm/awards/APS-Fellows-Program>

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.

Thanks for your application!

Best regards,

Volker Vallon

Renal Section FAPS Committee Representative



Physiologists in Industry Committee

Romer Gonzalez-Villalobos



2019 PIC Translational Research Award Winners!

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 who performed research that is translatable to industry applications and has been designated by the Physiologists in Industry Committee as an outstanding example of experimental research. The winner of the 2019 postdoctoral award is 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 is Nicholas Van Dongen, 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”. Both awards will be presented at the APS Business Meeting at the Orange County Convention Center (room W314) on **Tuesday, April 9th at 5:15 p.m.**

EB 2019 PIC Symposium Sunday April 7, 1:30 - 3 pm Room W311B

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 “**SGLT2 inhibitors: from basic physiology to clinical success**” on Sunday April 7th, 2019 from 1:30 PM to 3:00 PM in room W311B. The session will be coordinated and chaired by Pati Paramita, Ph.D (University of Alabama) and myself.

We look forward to seeing you at these events at EB2019 in Orlando!

Romer A. Gonzalez-Villalobos, MD, PhD
Rgonz180@its.jnj.com
Physiologists in Industry
Representative/Renal Section

Physiologists in Industry Committee Mixer

Sunday, April 7th, 6:45 pm - Peacock Springs Room Hyatt Regency Orlando

You're invited! Come meet, eat, drink (cash bar) and socialize with your fellow physiologists who are working in the corporate, industrial, academic, or government sector. The Physiologists in Industry Mixer is an informal gathering of EB registrants who either work in industry, considering a career in industry, or just want to meet people from industry. Bring your students, colleagues and friends. The turnout last year was outstanding, and we expect another terrific mixer again this year!



Updates from the Career Opportunities In Physiology Committee

Kelly Hyndman

The Career Opportunities in Physiology Committee supports a number of APS programs to foster the career development of physiologists of all ages:

EB Symposium: “The Hidden Job: Skills for a Career in Physiology”

Join us Sunday, Monday, and Tuesday, 7:00am-8:00am in the Orlando Convention Center, Room W311D for a light breakfast and a series of discussions on hidden job skills. Careers in science require several skills and proficiencies that extend beyond the normal training practices. These include such things as negotiation skills, scientific society involvement, moving between academia and industry, and many others. The focus will be on those skills that are not a common aspect of training. Speakers will address these issues from a perspective of “what I wish I knew before I started this job” and “things no one told me I needed to know before I started.” This symposium will have an interactive format facilitated by leaders in academic, industry, teaching, governmental, and society roles. The targeted audience of trainees and established investigators alike will be exposed to the perspectives of the facilitators and will be able to incorporate the non-traditional training advice of the facilitators into their individual career plans. Visit www.the-aps.org/the-hidden-job for more information.

Experimental Biology Undergraduate Orientation and Poster Sessions

Open to all undergraduate students attending EB, the Undergraduate Orientation session serves as a primer to help the students get the most out of their EB experience, and includes award presentations for various APS-sponsored undergraduate research programs. This will be held at the Hyatt Regency Orlando, Plaza International Ballroom J/K from 3:00-5:00pm, April 6. There is also a special poster session for undergraduate students at EB, held from 3:30-5:00pm (undergrad presenters must arrive by 2:00pm to check-in and hang posters) on April 7 in the Orange County Convention Center, Valencia Ballroom D – please stop by and meet the next generation of physiologists!

Experimental Biology PhUn Week Poster Session

Physiology Understanding (PhUn) week is a nationwide outreach program that builds connections between scientists and their local schools. During PhUn week, APS members engage students in interactive, hands-on physiology activities. Please stop by the PhUn Week poster session, open to all APS members, held from 7:00-9:00am on April 7 in the Orange County Convention Center, Valencia Ballroom C, to see how your colleagues helped promote physiology outreach and to see how you can get involved with PhUn week.

The APS Local Undergraduate Research Award in Physiology (LURAP)

LURAP allows APS Members to recognize excellence in physiology research by undergraduates 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 LURAP is presented by an APS member to an undergraduate at the member’s home institution’s research showcase event. 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.

Please note, room locations are subject to change. Check the final program on the EB app for room assignments.



APS-ASPET Presidential Symposia Series



APS President Jeff Sands has collaborated with **ASPET President Edward Morgan** (American Society for Pharmacology and Experimental Therapeutics) to present **an exciting 4 part series on the microbiome.**

1. **Saturday April 6, 2019: Microbiome. Workshop on Microbiome Research: What You Need to Know. Part one of the four-part series**, chaired by Andrew D. Patterson and co-chaired by Meredith Hullar, is a workshop led by Patterson, Hullar, Cathryn R. Nagler and Mehrbod Estaki. The session will be held from **1 to 3 p.m. in OCCC Room W311EF.**
2. **Sunday April 7, 2019: Microbiome. Gut Microbiome and Metabolic Disorders.** Chaired by Jeff M. Sands and co-chaired by Edward T. Morgan, **Part two of the Presidential Symposia Series** will feature lectures by Rachel J. Perry, Martin J. Blaser and Eugene B. Chang. The session will be presented from **8:30 to 10 a.m. in OCCC Room W314.**
3. **Monday April 8, 2019: Microbiome. Gut Microbiome: A Chemical Factory: Part three of the Presidential Symposia Series.** Chaired by Hyunyoung Jeong and co-chaired by Jennifer Pluznick, will feature lectures by Emma Allen-Veroe, Matthew Redinbo and Emily P. Balskus. The session will be presented from **8:30 to 10 a.m. in OCCC Room W314.**
4. **Tuesday April 9, 2019: Microbiome. Microbiota in Action: The Gut and Beyond. Part four of the President's Symposia Series**, chaired by Laura McCabe and co-chaired by Julia Cui, will feature lectures by Andrew Neish, Dominik Mueller and Elaine Y. Hsiao. This session will be presented from **8:30 to 10 a.m. in OCCC Room W314.**

Save the Date: June 23–27, 2019
APS/ASN Conference:
Control of Renal Function in Health and Disease
Formerly Known as the Renal Hemodynamics Summer Research Conference

You're Invited!

We would like to invite you to participate in the **2019 American Physiological Society (APS)/American Society of Nephrology (ASN) Summer Conference, Control of Renal Function in Health and Disease**, which will be held **June 23–27, 2019**, at the **Boar's Head Resort in Charlottesville, Va.**

(<https://www.kidneynews.org/careers/in-practice/2019-aps-asn-conference-control-of-renal-function-in-health-and-disease>).

What's New:

Held every three years, this meeting has previously been organized as a Federation of American Societies for Experimental Biology (FASEB) Summer Conference. APS will sponsor the 2019 conference in conjunction with ASN, but the general FASEB conference format will be preserved. Participants rank this recurrent meeting as one of the very best they attend, mainly due to the opportunity for interaction with colleagues.

We're also excited for you to experience our new venue. The Boar's Head Resort is owned and operated by the University of Virginia Foundation and is situated at the foot of the Blue Ridge Mountains. The resort is just minutes from the University of Virginia and two hours from the Washington, D.C., area airports, providing convenient travel for domestic and international participants.

Scope and Opportunity:

The invited presentations will emphasize unpublished data and current work, allowing attendees access to the latest developments in research on kidney function and dysfunction. Students, postdocs and junior faculty are highly encouraged to submit an abstract. A call for abstracts will be available in the late fall of 2018. The program committee will be designing many talks from the submitted abstract pool. This meeting is a great opportunity for young investigators to interact with established investigators and leaders in the field in an intimate, collegial environment. Limited reimbursement will be available for trainees and junior investigators.

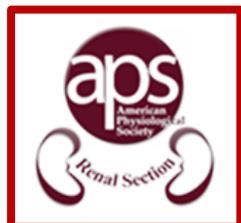
Please email any questions to the organizers, Edward Inscho and Pablo Ortiz. We look forward to your participation in an excellent and enlightening conference.

With kind regards,

Ed and Pablo

Edward W. Inscho, PhD
APS and ASN Member
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EB2019 - Do Not Miss Talks!



Building the Future of APS (and Physiology)

Come meet **APS Executive Director Scott Steen** and learn about his plans for moving the Society forward and accomplishing the strategic goals set by the Council. This special 30-minute session will be held from 5:30 to 6 p.m. in OCCC Room W314. A pre-presentation reception will be provided from 5 to 5:30 p.m. **Saturday April 6, 2019.**

Peter Aronson to Present Walter B. Cannon Award Lecture - Sunday April 7, 2019

The Physiology in Perspective: The Walter B. Cannon Award Lectureship is the most prestigious award that APS bestows, recognizing the lifetime achievement of an outstanding physiological scientist and APS member. Peter Aronson of Yale University School of Medicine will present this year's lecture, "**From Salt to Stones to CKD: Anion Transporters in Health and Disease**," from 5:30 to 6:30 p.m. in OCCC Room W314.



Jennifer Pluznick to Present the Henry Pickering Bowditch Award Lecture - Monday April 8, 2019

This award honors early career achievement in physiology and is given to an APS member younger than 42 or who is fewer than eight years from the start of the first faculty or staff research scientist position beyond postdoctoral training. Jennifer Pluznick of Johns Hopkins University will present her lecture "**Functional Roles for Orphan GPCRs in the Kidney**" from 5:40 to 6:30 p.m. in OCCC Room W314.



APS Nobel Prize Award Lecture Tuesday April 9, 2019

Peter Agre of the Johns Hopkins Malaria Research Institute and Bloomberg School of Public Health will present his lecture "**Aquaporin Water Channels—From Atomic Structure to Malaria**" from 5:40 to 6:30 p.m. in OCCC Room W314. A trainee reception is scheduled immediately following the lecture where students and postdoctoral fellows can meet Dr. Agre.



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