

# Translational Physiology Interest Group

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Fall 2020 Newsletter



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## Become a Member of the Translational Physiology Interest Group (TPIG)

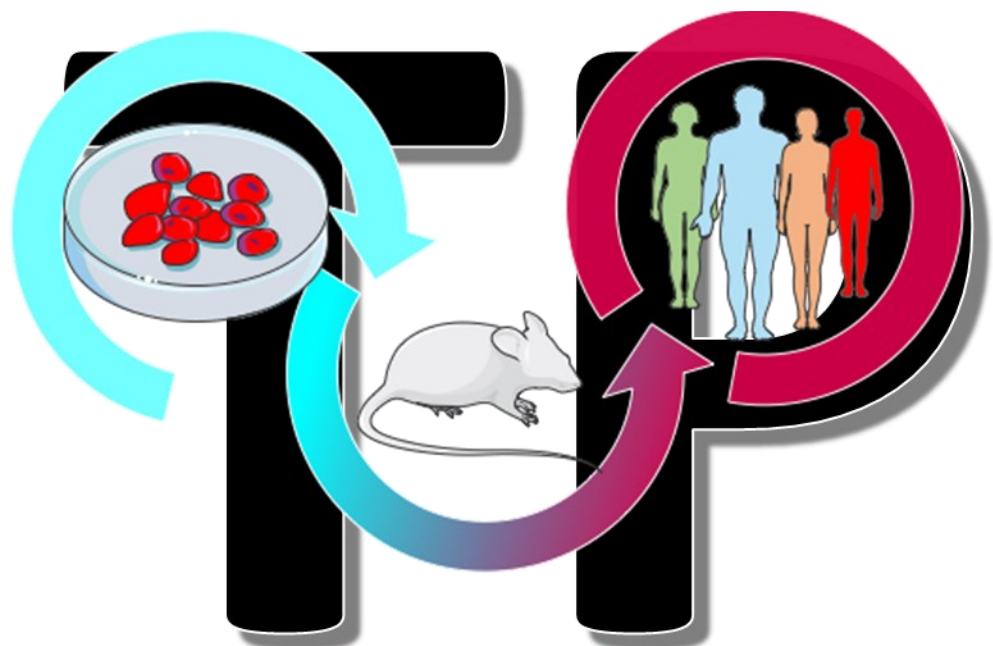
TPIG was established by APS in 2010 to facilitate the members' growing interest in translational research. To become a TPIG member, login into your APS membership account and add the TPIG to your section/group affiliation. You do not have to change your affiliation with any other sections or groups. We also recommend you to subscribe to the group Listserv to stay up-to-date on the latest TPIG news.

## TPIG has a new look!

After months of planning, TPIG has adapted a new logo. We hope you agree our new logo reflects the broad interests of our members.

With sincere thanks,

*The TPIG Committee*



Translational Physiology Interest Group

## Letter from the Chair

### Dear colleagues and fellow scientists,

Kudos to all of you for continuing to persevere with your research during these challenging times! Far more time and ink has been spent on the topic of COVID-19 than it deserves, so I will not contribute any more here, but suffice it to say, I am very happy to report that the Translational Physiology Interest Group (TPIG) continues to grow, as we currently have more than 1600

members! Our group has scientists working at every level of the translational spectrum (small molecule to whole animal to humans), helping to shape the future of the field, and so we'd like to encourage any APS member with interest in physiology to participate in activities and/or join our group. Despite COVID concerns, we are planning a great virtual meeting for EB2021!! This is your opportunity to connect with your fellow physiologists, showcase you and your trainees' research, and to engage with leaders in the field.

I would like to conclude with a final thought- Your continued participation in APS is vitally important, especially in these difficult times. There is a continuing need for our members to be active in volunteering for committees and voting for council and other leadership positions. The Society is going through a transition period, and your support matters now more than ever!! There certainly may be some work involved, but it is fulfilling work and will shape the future of APS and science, going forward.



Chair,

Translational Physiology Interest Group  
Associate Professor  
Pharmaceutical Sciences & Experimental Therapeutics  
College of Pharmacy  
FOE Diabetes Research Center  
University of Iowa  
319-335-8157

[ethan-anderson@uiowa.edu](mailto:ethan-anderson@uiowa.edu)



**Ethan J. Anderson, Ph.D.**

**Steering Committee Chair**

**IOWA**  
**PHARMACY**

## Programming Committee

*EB 2021 meeting goes virtual. COVID cannot keep us down.*

Experimental Biology meeting will be held virtually April 27–30, 2021. We're planning a meeting that offers the excellent cross-disciplinary content you expect, while providing you ways to engage like never before, all from the comfort of your home or office. So mark your calendar and sign up to get emails about the latest updates.



**Andreas M. Beyer, Ph.D.**

**Programing Committee Chair**

Department of Medicine & Physiology  
Medical College of Wisconsin

## TPIG Symposium at EB 2021

TPIG will host a virtual symposium at EB 2021 - **Sweat the Small Stuff: Sphingolipids and Cardiovascular Disease**. Drs. Julie Kay Freed from the Medical College of Wisconsin and Annarita Di Lorenzo from Weill Cornell Medical College will chair the session. The symposium will cover the deleterious effects ceramides have on cardiovascular homeostasis, the risk they pose for vascular disease, and the targeted treatment potential. The importance of the sphingolipid rheostat will be discussed, followed by novelties in S1P signaling pathway in the human vasculature.

By bringing together a prominent group of scientists, spanning both basic and translational research, this symposium presents the discoveries and challenges in the field of sphingolipid physiology, thus laying the foundation for a broader understanding of the complexities of these molecules and their signaling axes in the context of vascular biology as well as where to direct efforts to expand on these findings.

**Scott Summers, PhD**

*Co-Director, Diabetes & Metabolism Research Center,  
Nutrition & Integrative Physiology,  
University of Utah*

***Ceramides and Cardiovascular Risk***

**Annarita Di Lorenzo, MSc, PhD**

*Cell & Developmental Biology, Weill Cornell Medical College*

***The Sphingolipid Rheostat in Blood Pressure Regulation***

**Boran Katunarcic, MD**

*Department of Anesthesiology, Medical College of Wisconsin*

***Sphingolipids and Human Microvascular Function***

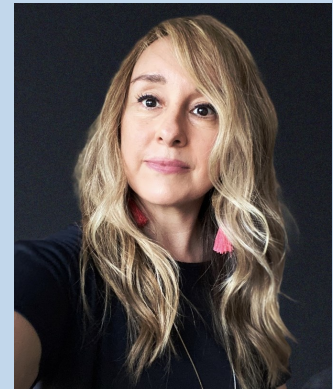
**Don't forget to Register:**

<https://experimentalbiology.org/2021/About/Sign-Up-for-EB-Emails.aspx>

## Awards Committee

I am thrilled to serve as the chair for the Translational Physiology Interest Group (TPIG) Awards Committee. APS offers more than **\$1 million** in grants and awards to investigators at all levels: trainees, new investigators, and distinguished scientists. Below I have summarized a few upcoming awards.

Please check out the American Physiological Society Awards page at [www.physiology.org/professional-development/awards?SSO=Y](http://www.physiology.org/professional-development/awards?SSO=Y) for more information on application info and deadlines.



**M. Alicia Carrillo Sepulveda,**  
**BSN., Ph.D.**

**Awards Committee Chair**

Biomedical Sciences  
New York Institute of Technology

### 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 award package includes a certificate, an APS t-shirt, and a free one-year undergraduate membership. Visit [www.the-aps.org/lurap](http://www.the-aps.org/lurap) for more information.

#### 2020 LURAP Awardees

Mariana Santos Rableo  
São Paulo School of Medicine,  
Federal University of São Paulo

Olivia Winn  
Taylor University, Upland, Ind.

Alejandro Ramos Robledo  
Universidad de Médicas de la Habana, Havana, Cuba

Ashley Dawson  
University of California, Riverside

Samantha De Jesus  
University of Kentucky, Louisville

### Award at a Glance

Award amount: No monetary award

Application deadline: Applications are accepted year-round on an on-going basis. Applications must be submitted at least four weeks before the research showcase event.

Who can apply: Any APS member with an undergraduate research showcase event at their home institution.

Sydney E. Edwards  
Chatham University, Pittsburgh, Penn.

Zuhayr Khan  
California State Polytechnic University, Pomona

Byron Lee  
University of Oregon, Eugene

## Awards Committee cont.

### Upcoming Award Deadlines

APS offers a variety of awards for researchers, educators and trainees to recognize excellence in physiological research. Learn more about these open awards and apply:

#### NEW—Visual Career Abstract Award

The Career Opportunities in Physiology Committee invites students to promote careers in physiology by creating and sharing visual abstracts on social media. This competition encourages students to produce a visual abstract that is a graphical representation of a career in physiology. Approved visual abstracts will be displayed on the APS website for voting, and the winner will be announced via Twitter. This competition will educate others on the diverse and exciting careers in the physiology field and foster interactions among students and APS members at their home institutions and on social media.

#### Dale J. Benos Early Career Service Award

The Dale J. Benos Early Career Service Award was established by the Trainee Advisory Committee in 2008 to honor an early career stage (graduate student, post-doctoral fellow, assistant professor or equivalent position) member of APS, who is judged to have made outstanding contributions to the physiology community and demonstrated dedication and commitment to furthering the broader goals of the physiology community.

#### Arthur C. Guyton Award Fund

The Arthur C. Guyton Award Fund was established in 1993 from an anonymous donation in order to recognize the contributions of Arthur C. Guyton and his interests in feedback control and mathematical modeling of physiological systems. The award is intended to support an independent investigator who holds an academic rank no higher than assistant professor and is pursuing research that utilizes quantitative and integrative approaches and feedback control system theory for the study of physiological functions.

#### Award at a Glance

Award amount: \$25 Amazon gift card

Application deadline: November 1, 2020

Who can apply: This competition is open to all students enrolled at an U.S. (undergraduate to professional programs, like medical or dental schools are encouraged to apply).

#### Award at a Glance

Award amount: \$1,000 honorarium

Application deadline: January 24, 2021

Who can apply: Must be an APS member not above the rank of Assistant Professor or equivalent.

#### Award at a Glance

Award amount: \$10,000 honorarium and complimentary registration for EB

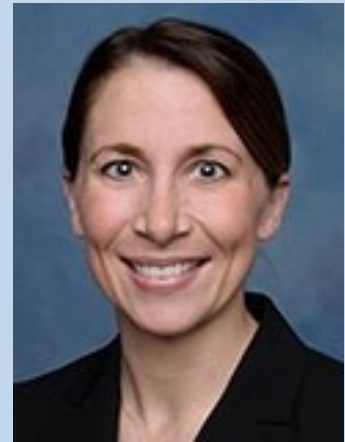
Application deadline: January 14, 2021

Who can apply: Must be an APS member and independent investigator not above the rank of Assistant Professor.



## Nominating Committee

As the nominating chair for TPIG, I am responsible for recruiting members to serve on the TPIG committee. The committee has 7 lead positions including Chair, Vice-Chair, Chair of Programming, Chair of Communications, Chair of Nominations, Chair of Awards, and Chair of Trainees. In addition, the Communications, Awards, and Trainee committees also have one committee member. We will have many open slots in 2022 (Nominating Chair, Awards Chair and member, and Trainee Chair and member). **If you have any interest in being considered for this committee and conduct translational research, please contact me at [jfreed@mcw.edu](mailto:jfreed@mcw.edu) by Experimental Biology 2021.**



**Julie Freed, M.D., Ph.D.**

**Nominating Committee Chair**

Department of Anesthesiology  
Medical College of Wisconsin

In addition, to committee positions in TPIG, APS has multiple committee openings for 2021. The Society's Committee on Committees (CoC), in consultation with the Sections, recommends standing committee chairperson and member appointments to Council from submitted member applications. Outlined below are important procedures and instructions for the application process in APS-wide committees.

Any APS member who wishes to join a Society-wide committee should apply via the online awards module. **Applications are due by February 5, 2021.** Questions concerning the application process can be directed to Tim Musch ([musch@vet.k-state.edu](mailto:musch@vet.k-state.edu)), Chair, Committee on Committees, or Sandra Spadoni ([sspadoni@the-aps.org](mailto:sspadoni@the-aps.org)), Staff Liaison to the Committee on Committees. Please be sure to review the duties under each committee description.

**NOTE:** These forms are not used to apply for Section positions. The membership of the Committee on Committees, Joint Program Committee, APS Fellows Committee, Section Advisory and Trainee Advisory Committees are comprised of representatives appointed by the Society's Sections, therefore we **do not** accept applications for these committees. Should you know of someone who is interested in serving on one of these committees, please have them contact their Section chair to learn about the application process.

## Trainee Committee

### Greetings Trainees,

It is my honor to serve as the chair of the Trainee committee for TPIG. We are here to represent your specific interests as students, postdocs and junior faculty members of TPIG. Are you a trainee interested in getting more involved with APS? Don't forget that as trainees there are opportunities to serve on APS-wide committees as well as on our committee. Also, don't forget to check the Careers section of the newly revamped APS website for resources for your specific career stage. We are hard at work using these platforms to provide information on upcoming trainee-specific APS and TPIG opportunities, as well as career advice, podcasts and updates on the research of your TPIG trainee colleagues.



**Karima Ait-Aissa, Ph.D.**

***Trainee Committee Chair***

Department of Internal Medicine  
The University of Iowa

The **APS Professional Skills Training (PST) program** promotes the development of key professional skills among graduate students, postdoctoral students and new investigators by offering effective live and online courses that are appropriate for students and trainees in the life sciences. These courses and workshops range from a multi-day course to a half-day session at a national or regional meeting to a six-week online course.

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

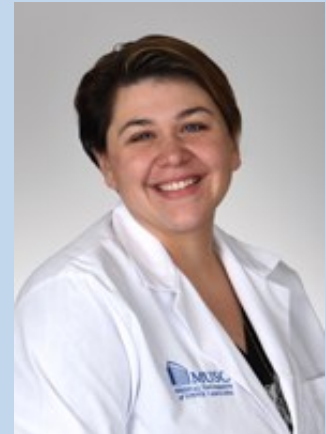
Last year at EB 2020, the Career Opportunities in Physiology Committee hosted a career symposium focused on job searches, offer letters, and negotiations. The symposium was pre-recorded and is available by logging into APS' website. APS' 2021 career symposium will feature the theme "Staying Organized", with speakers under this theme including Dr. Jeremy Boss (Laboratory Management), Dr. Susan Johnson (Personal Productivity), and Dr. Janie Recklehoff (Grant Management).

Integrated Physiology of Exercise 2020 will feature a career workshop "Career Paths & Diversity in Science" on November 10th, 2020. Registration deadline for the meeting is November 6th, 2020.

## Communications Committee

**Dear Colleagues,**

Big changes are coming! APS will be launching a new beta version **My APS Member Dashboard** on November 1 to replace APS Connect. Some of the features from the APS Connect Community will continue to be accessed via your My APS Member Dashboard including: communications from your APS sections and interest groups; shared threaded discussion forums to which you can subscribe; Society announcements; events calendar; free member jobs listing; and member directory. During this beta phase, APS will continue to roll out new tools and features to provide you with the most member value.



**Kristine Y. DeLeon-Pennell, Ph.D.**

**Communications Chair**  
Department of Medicine  
Division of Cardiology  
Medical University of South Carolina  
Carolina

**APS' career webpage** has been updated and includes various information such as salary survey data, job boards, and career-based articles from "The Physiologist Magazine". As a benefit, APS members can post unlimited jobs on the Members-only Job Listing board for free. Log in to My APS Dashboard to share or find your next job.

TRANSLATIONAL PHYSIOLOGY INTEREST GROUP

**Please send TPIG correspondence to:**

**Kristine Y DeLeon-Pennell Ph.D.**

Communications Chair, Translational Physiology Interest Group

Department of Medicine

Division of Cardiology

Medical University of South Carolina

Email: [deleonky@musc.edu](mailto:deleonky@musc.edu)

**Join our  
community!**

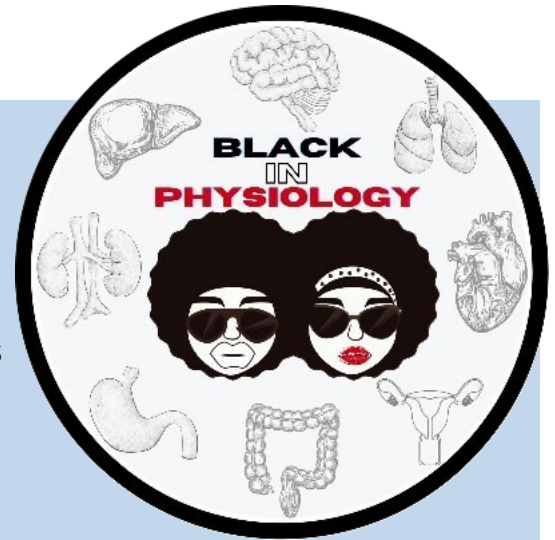


# KUDOS

## to our TPIG Members

### #BlackInPhysiology Week—October 12–16 was a HUGE Success

The inaugural Black in Physiology Week started with a BANG. The @BlackInPhysio community—was organized by APS members to connect the community and discuss strategies to increase recruitment, retention and promotion of Black physiologists. The virtual panel discussion on how to increase Black representation in academic and faculty roles was co-moderated by Clintoria Williams, PhD, of Wright State University in Dayton, Ohio, and Dexter Lee, PhD, of Howard University in Washington, D.C. Panelists included Karla Haack, PhD, of Kennesaw State University in Georgia; Robert Hoover Jr., MD, of Emory University in Atlanta; Mildred Pointer, PhD, of North Carolina Central University; and Jan Williams, PhD, of the University of Mississippi.



### Check out a few of our TPIG members on AJP Heart and Circulatory Podcasts

- Post-infarction Cardiac Rupture
- Behind the Bench Episode 6 with Aurore Lyon
- Assessment of Diastolic Function
- Race, Blood Pressure, and Microvascular Function

@ <https://ajpheart.podbean.com/>

### Do you have a recent publication, press release or other content you would like to feature?

Please send correspondence to:

Kristine Y DeLeon-Pennell Ph.D.  
Communications Chair, Translational  
Physiology Interest Group

email: [deleonky@musc.edu](mailto:deleonky@musc.edu)

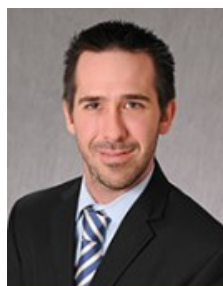
## Steering Committee



**Ethan J. Anderson, Ph.D.**

**Steering Committee Chair  
May 2018 – April 2021**

Dept. of Pharmaceutical Sciences  
& Exp. Therapeutics  
The University of Iowa



**Colin Young, Ph.D.**

**Steering Committee Vice-Chair  
May 2019 – April 2022**

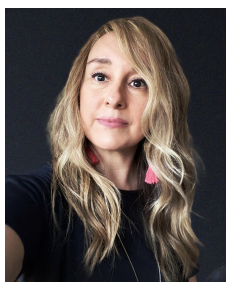
Dept. of Pharmacology  
& Physiology  
George Washington University



**Andreas M. Beyer, Ph.D.**

**Programing Committee Chair  
May 2019 – April 2022**

Dept. of Medicine  
& Physiology  
Medical College of Wisconsin



**M. Alicia Carrillo Sepulveda,  
BSN., Ph.D.**

**Awards Committee Chair  
July 2016 – June 2022**

Biomedical Sciences  
New York Institute of Technology



**Julie Freed, M.D., Ph.D.**

**Nominating Committee Chair  
July 2016 – June 2022**

Dept. of Anesthesiology  
Medical College of Wisconsin



**Karima Ait-Aissa, Ph.D.**

**Trainee Committee Chair  
April 2020 – April 2022**

Dept. of Internal Medicine  
The University of Iowa



**Kristine Y. DeLeon-Pennell, Ph.D.**

**Communications Chair  
April 2020 - April 2023**

Dept. of Medicine-Cardiology  
Medical University of South Carolina

### TRANSLATIONAL PHYSIOLOGY INTEREST GROUP

**Please send TPIG correspondence to:**

**Kristine Y DeLeon-Pennell Ph.D.**

Communications Chair, Translational Physiology Interest Group

Department of Medicine

Division of Cardiology

Medical University of South Carolina

Email: [deleonky@musc.edu](mailto:deleonky@musc.edu)

[www.physiology.org/community/aps-communities/interest-groups/Translational-Physiology?SSO=Y](http://www.physiology.org/community/aps-communities/interest-groups/Translational-Physiology?SSO=Y)

*Transforming the Future Through Science*