

Translational Physiology Interest Group Newsletter

Christos S. Katsanos, PhD, FAPS

Chair, APS Translational Physiology Interest Group



Fall 2026

Translational Physiology Interest Group

Supporting translational research within the APS community

Dear TPIG Members,

The importance of science, and of demonstrating its real-world relevance, has rarely been more important to recognize. **Translational Physiology is uniquely positioned to do exactly that:** to move ideas from test tubes and laboratory benches toward human application and transform physiological discoveries into tangible benefits for health.

Over the past year, our group has worked to increase the visibility of Translational Physiology and recognize the outstanding work of APS members. At the 2026 Summit, our “**Excellence in Translational Science**” session featured several Trainee Awards and recognized the contributions of a senior investigator. We also hosted an excellent **PhysioHub session** highlighting translational research across the APS community. Please see below for more information about these awards and recognitions. We plan to continue these activities at the 2027 American Physiology Summit in Denver, as part of what promises to be another exciting meeting at the forefront of physiological discovery, education, and professional development.

Following a successful TPIG webinar this past year, we are also planning another webinar to keep our community engaged and informed about emerging developments in Translational Physiology. Another major goal of our group is to strengthen communication and collaboration with other APS Interest Groups, Sections, and Committees. We are currently discussing opportunities for joint educational and scientific activities with the Endocrinology & Metabolism Section for the coming year and beyond. More broadly, I encourage colleagues across APS to reach out to TPIG with ideas for enhancing the translational impact of their respective scientific fields.

It is never too early to begin thinking about research to present at the 2027 Summit. I encourage our trainees to submit their work and **apply for TPIG awards**. Additional information is available on the [TPIG Awards webpage](#).

Goodnight
Minneapolis...
Next stop Denver

It's Never Too Late to
Start Planning to Attend
the [2027 APS Summit](#)
Next April in the Mile
High City!



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www.physiology.org



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In closing, TPIG is committed to strengthening the diversity and breadth of participation within our Steering Committee. **We want to hear your ideas about how TPIG can better serve our community and advance Translational Physiology within APS and beyond.** If you would like to become involved, serve on the Steering Committee, or have an idea you would like to see materialized, please contact me directly at christos.katsanos@asu.edu.

Christos S. Katsanos, PhD, FAPS
Chair, APS Translational Physiology Interest Group

Celebrating Excellence in Translational Physiology: Gutterman Award Winners and Top Abstracts, Translational Research Awards, and Senior Investigator Recognition

We extend **our heartfelt congratulations to the outstanding investigators:**

 **David D. Gutterman Trainee Awards** for *Excellence in Translational Science*

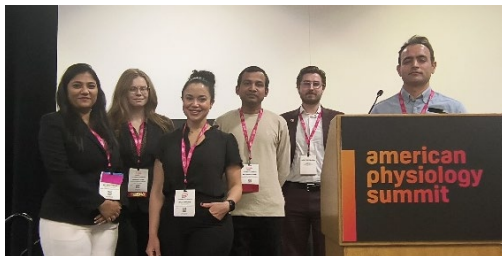
Breanna Pederson, PhD - Postdoctoral Winner
(University of Iowa)

Katherin Pereyra - Graduate Student Winner (Pontifical Catholic University of Chile)



We also hosted the **“Top Scoring Abstracts of the Translational Physiology Interest Group”** - held on April 24 from 2:45 to 3:30 PM. This high-energy “rapid fire” session showcased exceptional research from trainees to accomplished faculty across a range of innovative translational physiology topics. Chaired by Associate Professor, **Dr. Kristine Deleon-Pennell** (Medical University of South Carolina) and co-chaired by post-doctoral researcher, **Stephen Hammond** (Medical College of Wisconsin), the session featured seven outstanding speakers from across the country. Their cutting-edge work covered varied topics, including chemotherapy-induced cardiotoxicity, hypoxic exercise physiology, maternal health, vascular dysfunction, sleep physiology, pulmonary hypertension, diabetes-associated hypertension, ferroptosis-mediated vascular injury, and more.

We thank our talented presenters - **Melinee D’Silva, Hannah Lyons, Malak Mackie, Md Tarikul Islam, Colman Freel, Mostafa Sabouri, Somaya Ibrahim (not pictured)** - for their insightful contributions, each adding a unique perspective to the evolving landscape of translational physiology.



DAVID D. GUTTERMAN AWARDS IN TRANSLATIONAL SCIENCE

These awards are made possible by a generous donation from David Gutterman, MD, Distinguished Professor of Cardiovascular Medicine and Senior Associate Director Emeritus of the Cardiovascular Center at the Medical College of Wisconsin. Dr. Gutterman has dedicated his career to advancing our understanding of human microvascular function in both health and disease through innovative translational approaches.

Thanks to this support, our Interest Group has been able to offer awards to trainees participating in the American Physiological Summit. Award recipients are asked to describe the impact of their work, with particular emphasis on how their projects contribute to the understanding or treatment of human disease. If you are a trainee planning on submitting an abstract to the 2027 Summit, be sure to consider the TPIG topic category during the submission process.

🏆 Translational Research Awards

Shalaya Kipp - Postdoctoral Translational Research Award (Mayo Clinic)

Adewale James - Predoctoral Translational Research Award Winner (University of South Florida)



🏆 Award of Recognition

Along with recognizing the trainee winners of the David D. Gutterman Trainee Awards, our **“Excellence in Translational Science”** session on Saturday morning, April 25, also celebrated the outstanding contributions of a senior investigator to Translational Physiology. This year, the inaugural **Excellence in Translational Science Session** lecture honored **David C. Poole, PhD, DSc**, who delivered an engaging presentation entitled *“Physiology of Exercise (In)tolerance: Laboratory-Clinic-Society”* emphasizing the importance, reach, and impact of Translational Physiology.



The TPIG remains committed to spotlighting and supporting outstanding emerging research, and this session exemplified that mission. Once again, congratulations to everyone for their outstanding work and helping grow physiology at translational levels!

Trainee Corner: “A Letter to Trainees”

Dear Fellow Trainees,

As always, our goal is to support and advocate for trainees at all levels, as students, postdocs and early-career members. If you’re already affiliated with TPIG, be sure to check out the helpful resources—including TPIG updates, opportunities for awards, and job postings—via the [APS 'My Hubs' portal](#). Anyone can access these additional Career Gateway resources on the [APS Success in Science](#) webpage, information on career development plans via [Science Careers](#), or translational science specific updates at [NIH NCATS](#).

If you are a trainee who is interested in becoming more involved with TPIG, now is a great time to do so. We are currently seeking applications for an additional trainee representative on our steering committee. This is a great opportunity that allows trainees to contribute to the direction of TPIG while gaining experience with organizing/chairing symposia at the APS Summit, judging abstracts/awards, and networking with established

AMERICAN PHYSIOLOGY SUMMIT APRIL 1–3, 2027

The [2027 American Physiology Summit](#) will feature a revised three-day schedule, beginning Thursday afternoon and concluding Saturday evening, with no programming on Sunday. This change will allow APS to retain the full breadth of scientific programming while providing a more streamlined Summit experience. Foundational science sessions will begin Thursday at 3:00 p.m., followed by the opening session and keynote presentation at 4:45 p.m. Programming will begin at 8:30 a.m. on Friday and Saturday, with a second keynote presentation scheduled for Saturday afternoon.

The scientific program will also introduce Signature Sessions, formerly known as Game-Changer sessions. These sessions will highlight emerging and cutting-edge areas of science and will run concurrently with foundational science sessions. Final review and approval of session scheduling will be overseen by the Physiology Summit Leadership Committee and Foundational Science Programming Chair.

researchers throughout the field of physiology. If you are interested or have any questions about this role, please reach out to Christos S. Katsanos (christos.katsanos@asu.edu) for more information. There are many additional opportunities to interact with TPIG during the APS Summit, where we will continue to host trainee focused poster sessions, networking events, and flash talks. More info will be provided on these events as we get closer to April.

As developing translational physiologists, trainees play a key role in bridging the gap between basic scientific discoveries and clinically relevant outcomes. From exploring advanced models to contributing directly to therapeutic innovation and integration, the discoveries we make in the lab today have the potential to contribute to the improved clinical care of tomorrow. It is up to us to carry this torch and continue turning science into health solutions.

Wishing you all a productive year ahead,

Best,
Stephen,
TPIG Trainee Representative

If you have any ideas for
trainee related events, please
contact Stephen at
sthammond@mcw.edu.

Are you interested in helping guide TPIG?

We're excited to announce that applications are now open for the TPIG Steering Committee! This is a fantastic opportunity for dedicated individuals to play a pivotal role in guiding our initiatives and shaping the future of our group. Current open positions are Representatives for Cardiovascular, Renal, Water & Electrolyte Homeostasis, and Gastrointestinal & Liver Physiology Sections. If you are passionate about our mission and eager to contribute your skills and ideas, we encourage you to apply by submitting your CV and an Interest Statement to Christos S. Katsanos (see contact info below). Join us in driving progress and making a meaningful impact in Translational Physiology. Submit your application today and become part of a dynamic team committed to excellence and innovation.

If you are interested in serving as a TPIG
representative, please contact Christos S.
Katsanos. christos.katsanos@asu.edu



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TPIG Steering Committee Members

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Christos Katsanos, PhD
Arizona State University

Vice Chair



Viswanathan Rajagopalan, PhD
New York Institute of Technology

Scientific Program Committee Representative



Jacob Caldwell, PhD
Mayo Clinic

Communications Committee Representative



Daniel R Machin, PhD
University of New Mexico

Trainee Representative-Fellow



Stephen Hammond, PhD
Medical College of Wisconsin

Endocrinology & Metabolism Representative



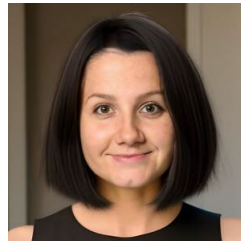
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Wayne State University

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Aleksandra Babicheva, PhD
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