

Cell and Molecular Physiology Newsletter

Ian M. Thornell, PhD, Secretary



Fall 2022

Statement from the Chair

Sandrine Pierre, PhD

As I trust you have noticed, a lot has been happening in our community!

Worldwide engagement and scientific excellence were on full display last May, as nearly 200 attended the webinar of Dr. Jo Adams, our 2022 Hugh Davson distinguished lecturer (pg 2).

CaMPS members have continued to step up and answer the call to serve. Congratulations to all those elected on APS standing committees (pg. 3)! It is also a great pleasure to welcome newly elected steering committee members Raz Abdulqadir (Jr. Trainee Representative) and Amity Eaton (Committee on Committees Representative). Make sure to read their announcements in this newsletter for trainee advisory committee news and upcoming committee opportunities to help shape the future of Cell and Molecular Physiology at the APS (pg 3)!

Abstract submission is well underway for the inaugural Physiology Summit (deadline is December 8, 2022!). In its new format, the meeting features new game changing and cross-sectional sessions. In addition, CaMPS will continue to sponsor sectional favorites such as our traditional featured topics (find out about CaMPS abstract topic categories, awards, and more on pg 2). We will also honor the CaMPS tradition of presenting the Hugh Davson Lectureship Award to this year's recipient, Dr. Eric Delpire (Vanderbilt University). Congratulations Eric! We are looking forward to recognizing your many contributions to cell physiology and CaMPS (pg 2)!

Finally, on pg 4 of this newsletter, you will find great highlights and new initiatives from AJP-Cell editor in chief Liliana Schaefer. There will be more announcements in the coming months, including details on CaMPS banquet (April 22, 2023), so make sure to subscribe to Cell & Molecular Physiology on your "My APS" Hub (link on pg 2)!

Enjoy the upcoming holiday season. I am thankful to be part of a scientific community in which every interaction with steering committee members and new encounters with APS members & staff brings a sense of belonging, service, and purpose that is truly inspiring.

Important Dates

American Physiology Summit
Abstract Submission Deadline

December 8, 2022 (pg 2)

2023 CaMPS Award
Nomination Deadline

December 15, 2022 (pg 2)

Last Day to Donate for
2022 Tax Year

December 31, 2022 (pg 4)

American Physiology Summit
Long Beach, California
April 20-23, 2023

CaMPS Banquet
April 22, 2023

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See You at the American Physiology Summit

With input from APS sections, committees, and Council representatives, the APS will hold its spring meeting as the American Physiology Summit on April 20-23, 2023, in Long Beach, California. CaMPS will continue to host our 3 traditional featured topics:

Friday, April 22, 1:30 p.m. - Cellular signaling: proteins, pathways and mechanisms

Friday, April 22, 3:30 p.m. - Ion channels, transporters, and pumps in health and disease

Saturday, April 23, 8:30 a.m. - Cellular mechanisms of stress, inflammation, and metabolism

Finally, CaMPS would like to thank Dan Halm, PhD (Sr. Program Working Group Representative, Wright State University), Yubin Zhou, PhD (Jr. Program Working Group Representative, Texas A&M University), and Md-Zahid Akhter, PhD (University of Illinois at Chicago) for their hard work in organizing CaMPS programming for the inaugural American Physiology Summit.

Submit Your Abstracts and Award Nominations for the American Physiology Summit

The CaMPS Steering Committee looks forward to a strong representation at the American Physiology Summit. [Abstracts](#) are due Thursday, December 8, 2022. In addition, CaMPS offers several awards that recognize trainees and early career investigators. [Award nominations](#) are due Thursday, December 15, 2022. CaMPS awards include Robert Gunn Student Awards, Research Recognition Awards, and the New Investigator Award.

CaMPS Announces 2023 Davson Distinguished Lecturer

CaMPS is excited to announce Eric Delpire, PhD (Vanderbilt University) as the 2023 Davson Distinguished Lecturer. Dr. Delpire's contributions to the field of transport across biological membranes have furthered our understanding of cellular volume regulation, synaptic transmission, and transepithelial salt transport. In addition to his scientific contributions, Dr. Delpire has served in leadership positions within CaMPS and the APS, including serving on the editorial board of *AJP-Cell Physiology*. The award lecture will be held over zoom, and an additional session will be scheduled during a Physiology Hub at the American Physiology Summit. CaMPS will provide further details in the spring newsletter.



2022 Davson Distinguished Lecture a Success in Online Format

The 2022 Davson Distinguished Lecture was given online by Dr. Josephine Adams, PhD (University of Bristol) entitled "Exploring the Extracellular Matrix:

From Outside to Inside and Back again". More than 200 American Physiological Society members participated in the lecture, including trainees from the University of Campinas pictured here.



Trainee Advisory Committee Corner

The CaMPS welcomes Raz Abdulqadir (Penn State College of Medicine, pictured below) as the Jr. Trainee Representative of the Trainee Advisory Committee ([TAC](#)). She will serve alongside our Sr. Trainee Representative Bianca Quade, PhD (Duke University, pictured above). The TAC is organizing several events for the American Physiology Summit on April 23 from 3-5:30 p.m. Events will include a



networking mixer, mentoring panel, mental health session, and an Adobe Illustrator workshop. TAC invites trainees that have accumulated negative data to submit an abstract to the TAC Negative Data Session: a session designed for a positive view of negative data.

Call for CaMPS Applications for APS Standing Committees

I am honored to be representing the Cell Section as your newly elected representative on the APS Committee on Committees! First, I would like to congratulate our newly elected Cell Section representatives on APS standing committees who will begin their terms in 2023: Zhichao Fan (Awards), Serena Kuang (Awards), Anastasios



Lymperopoulos (Conference), Josephine Adams (International), Shreya Tapan Mukherji (Physiologists in Industry), Ian Thornell (Physiologists in Industry), and Rebecca Hough (Women in Physiology Committee). We appreciate your service and are excited to see so many new faces representing the Cell Section on APS committees!

I would, also, like to acknowledge the service of our current members on APS committees: Jin O-Uchi (Career Opportunities in Physiology, 2021-2024), and Jasna Markovac (Publications Committee, 2021-2024). Finally, I would like to thank outgoing Awards Committee Member Kirk Hamilton (2020-2023) for his years of work!

Most importantly, I am writing today to encourage our Cell Section members to embrace the opportunity to influence the future of CaMPS and the APS by reviewing the available [APS Standing Committee positions](#) for terms beginning May 1, 2024 and applying in the upcoming cycle! Any APS member in good standing, who is not currently serving on a committee can apply directly via the [online awards module](#). Applications will open mid-November and will be due by early February.

Furthermore, if you are interested in applying for one of the committees, please [contact me](#) directly, and as your Cell Section CoC representative I will be able to provide you with detailed information on the position and nomination process (e.g. whether there is space for a Cell Section member on the committee). Questions concerning the application process can, also, be directed to [Sandra Spadoni](#), staff liaison to the CoC.

I look forward to hearing from you in the coming weeks, and anticipate seeing your applications standing out in the CoC application pool!

Amity Eaton, PhD
CaMPS Committee on Committees
Representative



An Update from the *American Journal of Physiology- Cell Physiology*

Greetings! I am very grateful for the opportunity to share updates from the *American Journal of Physiology-Cell Physiology*.

First, our Impact Factor rose from 4.249 in 2020 to 5.282 in 2021. This increase reflects the hard work of Prof. Jo Adams and her editorial team to raise the profile of the *Journal* throughout the scientific community. I am very appreciative of their efforts.

The *Journal* continues to serve our authors well through our rapid manuscript processing times. Our average time to first decision is 12 days, and our average time to publication is 1.6 months. These remain among the best in the APS Publications portfolio, and I thank the Deputy and Associate Editors and all of our reviewers who devote their time and energy to providing informative, helpful, and thorough reviews of submitted manuscripts. I issue a special thanks to our recently announced 2021 “[Star Reviewers](#)”. Our daily work is professionally managed by a very experienced APS Editorial Office. Among the many people overseeing the successful operations of the *Journal*, I would like to particularly thank the Managing Editor, Michael Pogachar, for his exceptional engagement.

We also have started encouraging our authors to prepare [Graphical Abstracts](#) to accompany their articles. A Graphical Abstract is a succinct visual summary of the main conclusions of an article, and it is often used to promote the research on social media and in presentations.

The Editors and I spent the last several months attending various conferences, where we have given presentations about the *Journal* and awarded poster prizes to young investigators. We have had a presence at meetings in the Czech Republic,

Germany, Greece, Toronto, Copenhagen, and Florence. I was delighted to give a virtual presentation to attendees of the recent joint meeting of the Mexican Society of Physiological Sciences and the Latin American Association of Physiological Sciences. It also was a great pleasure to present my scientific data and the *Journal* at a virtual meeting titled “A Collaborative Bridge to Better Health: The Heart of Collaborations-Focusing on the International Frontier of Cardiovascular Research,” organized at Peking University.

As part of our efforts to increase the diversity of our authorship and to stay in touch with new developments in the field, we have launched a number of [Calls for Papers](#) in recent months. These topics explore the use of skeletal muscle biology to provide protein-rich food sources in the era of climate change; the relevance of the extracellular matrix in the aging process; and the pleiotropic effects exerted by antidiabetic agents. A number of these Calls are being led by a heterogenous, early-career group of Guest Editors.

I am delighted with the status of *AJP-Cell Physiology*. I encourage you to [submit](#) your original research to the *Journal* and reach out to me with any ideas you may have for topical areas we could explore in a Call for Papers. Please also follow the *Journal* on [Twitter](#) and [Facebook](#).

My very best wishes,
Liliana Schaefer MD
Editor-in-Chief, *AJP-Cell Physiology*

A Reminder to Renew Your APS Membership

As the end of 2022 approaches, it is time to [renew](#) your APS membership for 2023. Members may now opt for Auto Renewal through their account dashboard. Finally, consider a [donation](#) to APS and/or CaMPS. These donations support the trainee awards and CaMPS programming.

