Message from the Chair

Dear colleagues,

The fall season has taken hold. Along with raking and preparing for the holidays, it is time to prepare our scientific abstracts for submission to Experimental Biology 2020! The abstract deadline is Thursday, Nov 14, 2019, at 11:50 PM PST. Click here to submit an abstract!

Included in this issue is a list of Cell Section’s scientific programs and awards opportunities for EB 2020. Participation in these Cell sponsored events can help you stay on top of the latest research findings, meet prospective mentors or collaborators, achieve research recognition that will foster your career development, and stay connected with friends in the scientific community. Whether you are a Fellow of the American Physiological Society, or “Gunning” for your first Cell Section Trainee Award, building meaningful relationships is time well spent at EB. Please join us.

As many of you may know, APS is withdrawing from Experimental Biology and creating a new meeting. Some may of course wonder, WHY? By developing a new stand-alone annual meeting for Physiologists after EB 2022, the APS will better serve as a beacon for scientific excellence, attracting the best science and top scientists, and provide a great launch pad for trainees. APS was founded to further these goals over 132 years ago and it will continue in this endeavor. The new meeting, alongside the rebranding of APS and debut of the journal Function next year, will focus on meeting membership needs in advancing Physiology research, teaching, and outreach.

It is an exciting time to be at the beginning stages of planning a new meeting. A task force, led by APS President Meredith Hay, and supported by APS Executive Director Scott Steen, will take the lead on the organizing process. The task force will continue to solicit feedback from APS membership, and I will work to keep everyone informed of new developments!

Enjoy the fall season.

Very truly yours,

My N. Helms

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Update on the CaMPS-sponsored scientific program events

We have an exciting Symposium which will be chaired by Kirk Hamilton and Jo Adams entitled *New Frontiers in Protein Trafficking*. This symposium will take place on Tuesday, April 7th in room 22 of the Convention Center.

If you would like to have your abstract considered for both a short talk and a poster presentation, please submit your abstract to one of the following Featured Topic categories:

**1060-APS:** Disease related Cell Physiology: A perspective into the future
Chaired by: Martha Dua-Awreah and Bianca Quade
Room 25C, Sunday April 5th, 8:30-10 AM

**1063-APS:** Molecular Mechanisms of Cellular Signaling and Transduction
Chaired by: Roger Worrell
Room 25C, Monday April 6th, 8:30-10 AM

**1061-APS:** Inflammation, Oxidative Stress and Metabolism in Health and Disease
Chaired by: Clintoria Williams and Niya Morris
Room 25C, Monday April 6th, 3:30-5 PM

**1062-APS:** Ion Channels, Transporters, and Pumps in Health and Disease
Chaired by: Sandrine Pierre and Ian Thornell
Room 25C, Tuesday, April 7th, 8:30-10

Please join your colleagues in the Cell and Molecular Physiology Section by submitting your poster presentations to one of the following categories:

**1065-APS:** Ion channels, transporters and pumps in health and disease
**1066-APS:** Aquaporins and other water transporters
**1067-APS:** Nutrient and metabolite transporters
**1068-APS:** Neurotransmitter and drug transporters
**1069-APS:** pH homeostasis and acid-base transport
**1070-APS:** Cell volume regulation
**1071-APS:** Endothelial and epithelial barrier function
**1072-APS:** Choroid plexus and blood brain barrier
**1073-APS:** Signal transduction mechanisms and regulation
**1074-APS:** Nutritional influences on cell signaling
**1075-APS:** Microbiome influences on cell signaling
**1076-APS:** Orai and STIM proteins in calcium signaling
**1077-APS:** Exosomes, ectosomes and microvesicles
**1078-APS:** microRNAs in health and disease
**1079-APS:** Extracellular matrix and cytoskeleton
**1080-APS:** Oxidative stress, redox changes and mitochondrial metabolism
**1081-APS:** Inflammation: cellular responses
**1082-APS:** Hypoxia: cellular responses
**1083-APS:** Protein trafficking, targeting, membrane domains, and cell polarity
**1085-APS:** Cell migration, adhesion, contractility and excitability
**1086-APS:** Stem cells, cell growth, development, differentiation and autophagy
**1087-APS:** Apoptosis, cell stress and cell death
**1088-APS:** Cancer proliferation and metastasis: cell and molecular processes
**1089-APS:** Cell physiology: emerging topics, concepts and methods
Experimental Biology 2020
Cell and Molecular Physiology Section
Mixer and Awards Banquet

WHERE:  The Harbor House San Diego
http://www.harborhousesd.com/
Waterfront dining in the Seaport Village, steps from Convention Center

WHEN:  Monday, April 6, 2020

6:30 PM - 7:30 PM
Trainee/Mentor Networking Reception:
With Appetizers and Drinks

7:30 PM – 10:00 PM
Dinner & Awards Presentation

Buffet Dinner
Includes: Strip Steak, Roast Potatoes,
California Rolls, Fish Tacos, Sautéed Garden
Vegetables, Seafood Cioppino (stew), Salad, Fruit
and Drinks (Beer, Wine, Soft Drinks)
Followed by: Dessert, Tea & Coffee.

COST:  $70 Faculty
       $35 Students/Postdocs

HOW:  Order tickets online (only)

Please purchase your tickets early. Tickets are sold on a first-come, first-served basis and will not be sold at the APS Onsite Office.

QUESTIONS:  Michael Butterworth, Dinner Organizer: michael7@pitt.edu or Ann Marie Bocus, APS Sections Administrator abocus@the-aps.org (301) 634-7976.
Updates from the Career Opportunities in Physiology Committee

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 to APS. Visit www.the-aps.org/lurap for more information.

Check out awards from the APS. There are several awards for researchers, educators, and trainees! Visit https://www.the-aps.org/professional-development/awards to see the list and deadlines!

Professional Skills Training (PST). The APS PST program promotes the development of key professional skills among graduate students, postdoctoral fellows, and new and established 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/APS PSTC2020. Application Deadline Date: November 18, 2019. Course and application details can be found at http://www.the-aps.org/pst.

Section Award Announcement and Deadlines

Researcher Awards
• New Investigator – December 31
• Postdoctoral Research Recognition – December 31
• Hugh Davson Distinguished Lectureship

Trainee Awards
• Robert Gunn Student Awards – December 31
• Trainee International Award
Greetings to all CaMPS members. First, warm Congratulations to Gregg Semenza, a former Associate Editor of AJP-Cell Physiology, on being one of the three awardees of the 2019 Nobel Prize in Physiology or Medicine for “discoveries and contributions to the understanding of the use and regulation of oxygen”. A full APS press release can be read at https://www.the-aps.org/detail/news/2019/10/07/2019-nobel-prize-aps-congratulates-new-laucreates-kaelin-ratcliffe-and-semenza

Next, AJP-Cell Physiology continues to invite your submissions! AJP-Cell Physiology offers rapid and fair peer-review (in 2018, 59% of submissions received peer-review with a mean time to first decision of 17 days) and, upon publication, excellent visibility of your paper within the worldwide Cell Physiology community. Young researchers who are sole first authors have the additional opportunity to be considered for the 2019 “Paper of the Year” award (papers must be accepted by 31st Dec. 2019). This year we have also run six other Editor’s Initiatives to make AJP-Cell Physiology best presentation awards available to early-career researchers at relevant conferences.

I would also like to let CaMPS members know that I will continue to serve as Editor-in-Chief of AJP-Cell Physiology until the end of June 2021. A call for the next Editor-in-Chief will be announced by APS next year. I can provide information about the role if anyone wishes to contact me by email or at EB2020.

Current Calls for Papers:

AJP-Cell Physiology Symposium at EB2020: The AJP-Cell Physiology Symposium co-sponsored with CaMPS, on the topic of “New Frontiers in Protein Trafficking” will take place on Tuesday April 7th, 2020 and will be chaired by Kirk Hamilton and Jo Adams. The speakers will be Prof. Elizabeth Sztl (Alabama-Birmingham), Prof. Brett Collins (Queensland) and Dr. Fiona McDonald (Otago, New Zealand). The Paper of the Year award winner will be announced and a collection of associated Reviews will be published next year.

Recent Papers of Interest:
Congratulations to the authors of articles recently featured in APS press releases: “The role of vitamin D in cell-cell interactions of fetal endothelial progenitor cells and umbilical cord endothelial cells in a preeclampsia-like model” (doi:10.1152/ajpinterest.00109.2019) by Brodowski et al., from Hannover Medical School, Germany and University of Pittsburgh School of Medicine, also “Bisphenol AF promotes inflammation in human white adipocytes (https://doi.org/10.1152/ajpinterest.00175.2019 ),” by Chernis et al. from Baylor College of Medicine. Recently published Review articles include “Roles of exosomes in metastatic colorectal cancer by Lafitte, Lecointre, and Roche of University of Montpellier, France (https://doi.org/10.1152/ajpinterest.00218.2019) and “Integrin signaling: linking mechanical stimulation to skeletal muscle hypertrophy” by Boppart and Mahmassani from University of Illinois at Urbana-Champaign and University of Utah (https://doi.org/10.1152/ajpinterest.00009.2019).

Comments and suggestions are welcome. Please send correspondence to aipcell-office@bristol.ac.uk Jo Adams, Editor-in-Chief, AJP-Cell Physiology.
YOUR SECTION NEEDS YOU!

Becoming a CaMPS representative on APS committees really helps gives our section a voice and to influence society decisions. However, as a section we are not well represented. We need more of our section YES YOU!! to apply for committees. There are lots of committees that you could consider joining!

Becoming a committee member is great for your CV, it will enhance your skill set, improve your LEADERSHIP SKILLS, and aid your CAREER PROGRESSION.

Yours Truly,

Sandrine Pierre
Committee on Committee Rep
pierres@marshall.edu

APPLY NOW!!

EUROPHYSIOLOGY 2020 Meeting Announcement

A partnership between the Physiological Society, the Scandinavian Physiological Society, the German Physiological Society and the Federation of European Physiological Societies.

It is our pleasure to invite you to Europhysiology 2020, a partnership of The Physiological Society, the Scandinavian Physiological Society, the German Physiological Society and the Federation of European Physiological Societies. The meeting will take place in the Estrel Congress Center Berlin, 11-13 September 2020. Pre-symposia will be held on 10 September 2020.

www.europhysiology2020.org
CaMPS Steering Committee

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