Congratulations to all our 2016 Cell and Molecular Physiology Section Award Winners!

Leandro Barbosa & Martha O'Donnell

Soyeon Lee, Evan Myers, Matthew Borchart, Lee Margolis & Martha O’Donnell

Jyotsna Mishra, Martha O'Donnell & Markus Rinschen
I am honored to be succeeding Martha O’Donnell as the new Chair of the Cell and Molecular Physiology Section of APS. I look forward to continuing her efforts to increase the visibility and impact of the Cell Section at future EB meetings, recruit new members, and develop programs and awards to enhance and inspire early career stage members into the field of cell and molecular physiology.

I hope everyone who attended the Experimental Biology meeting in San Diego last month enjoyed the meeting as much as myself. We had an exceptional slate of finalists for the Research Recognition and Bob Gunn Student Awards this year. Look for more details about award winners in this newsletter. All the finalists had breakfast with this years’ Hugh Davson Distinguished Lecturer, Paul Insel, and attended the Cell Section dinner at Café Sevilla. This year, our Cell Section dinner was a sell-out with nearly half of the attendees being students at various stages of their training. For the third year in a row, we held our “Networking Bingo Game” during the pre-dinner reception which was a huge success and made the evening fun and enjoyable.

One of my first priorities as Chair is to raise awareness and donations to our CaMPS Trainee Endowment Fund. This fund is vital to our mission of financially supporting Trainee awards and activities. APS will provide up to $25,000 in matching funds to this endowment. To that end, the steering committee has decided to offer thank you gifts for different donation levels. In this difficult funding climate, being able to give more trainees travel awards to attend EB and present their research is terribly important. Please look for more information on donating to the fund in this newsletter.

As I begin my term as Chair, I will work hard to create more award opportunities for our section trainees to attend both national and international physiological meetings. The steering committee has recently created a new International Trainee Travel Award to help Cell Section trainees attend international physiological meetings, such as the Joint APS/TPS meeting to be held in Dublin, Ireland in late July. Check out this newsletter and the Cell Section website for more information on applying for this travel award.

Lastly, I want to welcome all the new members who have recently joined the Cell Section, and encourage all our trainees to continue to pursue both academic and non-academic careers in cell and molecular physiology. My involvement with the Cell Section for the past 15 years has been very rewarding, and I want to urge everyone to participate in Cell-sponsored activities throughout the year.

Sincerely,
Kenneth Gagnon, Ph.D.
A. Clifford Barger Underrepresented Minority Mentorship Award

The APS Porter Physiology Development and Minority Affairs Committee would like your help in spreading the word about the inaugural A. Clifford Barger Underrepresented Minority Mentorship Award. This award honors a member of the American Physiological Society who is judged to have demonstrated leadership, guidance, and mentorship of underrepresented minority students in the physiological sciences.

The awardee receives a $1,000 check, plus reimbursement of Experimental Biology (EB) travel expenses (up to $1,500) and registration. A commemorative plaque is given at EB during the APS Business Meeting. Each awardee will present a webinar to discuss their best practices for fostering the scientific, professional and personal development of their URM trainees, and also submit an article on the topic of mentoring to the Physiologist.

Applications are due on September 15, 2016. Flyers and brochures will be available at EB, and a slide promoting this award will be present at EB Symposia. More information about the award and application materials can be found at: http://www.the-aps.org/barger
Congratulations 2016 CaMPS Award Winners!

2016 New Investigator Award
Leandro Barbosa, Federal University of São João del-Rei

2016 Research Recognition Award
Jyotsna Mishra, Thomas Jefferson University
Markus Rinschen, University Hospital Cologne

2016 Robert Gunn Student Award
Sooyeon Lee, Pennsylvania State Hershey College of Medicine - graduate
Evan Myers, University at Buffalo - graduate
Matthew Borchart, Luther College - undergraduate
Lee Margolis, Tufts University - graduate

Thanks to all the trainees and established investigators who participated in the Trainee-Investigator Networking Bingo Game. This event, which has become a yearly staple of the CaMPS banquet happy hour, was once again a resounding success enjoyed by faculty and trainees alike. Prizes included five $50 Amazon gift cards as well as a bunch of other goodies donated by VWR. Definitely the most fun you’ll ever have at an EB dinner event – so make sure you get your 2017 CaMPS banquet ticket!

New Book published on behalf of the American Physiological Society by Springer entitled Ion Channels and Transporters of Epithelia in Health and Disease
Kirk L. Hamilton and Daniel C. Devor have edited, and contributed chapters to a recently published book in the Physiology in Health and Disease book series of the APS.
The book consists of four sections and 29 chapters written by national and international authors including members of the CaMPS section and the APS.
This book sheds new light on the physiology, molecular biology and pathophysiology of epithelial ion channels and transporters. It combines the basic cellular models and functions by means of a compelling clinical perspective, addressing aspects from the laboratory bench to the bedside. The individual chapters, written by leading scientists and clinicians, explore specific ion channels and transporters located in the epithelial tissues of the kidney, intestine, pancreas and respiratory tract, all of which play a crucial part in maintaining homeostasis. Further topics include the fundamentals of epithelial transport; mathematical modeling of ion transport; cell volume regulation; membrane protein folding and trafficking; transepithelial transport functions; and lastly, a discussion of transport proteins as potential pharmacological targets with a focus on the pharmacology of potassium channels.

Members of the APS can receive a free ebook copy at www.the-aps.org/books.
Cell and Molecular Physiology Section
Trainee Endowment Fund

The Cell and Molecular Physiology Section (Cell Section) has established an endowment fund to subsidize Cell Section dinner tickets for trainees and provide travel grants for trainees to present their research at national and international scientific meetings. APS will provide up to $25,000 in matching funds to this endowment. To that end, the steering committee is offering “thank-you gifts” for different donation levels. New gifts are currently under consideration, so please check the website often, and please consider donating today! *

**Donation amount and thank-you gift**

- **$80**  
  **Body Notes** CD composed by Dr. Hector Rasgado-Flores  
  Fair market value $30  
  Deductible contribution $50

- **$120**  
  **Body Notes** musical score autographed by Dr. Hector Rasgado-Flores  
  Fair market value $40  
  Deductible contribution $80

- **$200**  
  **Body Notes** CD and autographed musical score  
  Fair market value $70  
  Deductible contribution $130

Check out “Body Notes” an original multimedia presentation using a live music performance and a video describing various aspect of human physiology ([www.youtube.com/watch?v=xDpxmEEWwCA](http://www.youtube.com/watch?v=xDpxmEEWwCA)).

* The American Physiological Society is organized under section 501(c)3 of the Internal Revenue Code and therefore eligible to accept tax deductible contributions.
NEW CaMPS Travel Award to attend the
Joint APS/TPS meeting
In
Dublin, Ireland
July 29th – 31st, 2016

Dublin is a fantastic city, famous for its hospitality, music,
and of course real Guinness (www.visitdublin.com/)

Meeting web link:
http://www.physoc.org/physiology2016/

Award application web link:
http://www.the-aps.org/mm/awards_sections/cell-molec.aspx

Application deadline: May 15, 2016
Several important Journal events took place at EB 2016. Congratulations to Dr. Anna Vainstein on winning the AJP-Cell Paper of the Year 2015 for research carried out during her Ph.D reported in “Role of PGC-1α during acute exercise-induced autophagy and mitophagy in skeletal muscle” (co-authored by Liam D. Tryon, Marion Pauly, David A. Hood and published in AJP-Cell Physiology (2015) Vol. 308 pC710-C719) (see photo below of Anna and myself). Shmuel Muallem and AJP-Cell Associate Editor, Eric Delpierre, held a very successful and well-attended CaMPS - AJP-Cell Physiology-sponsored Symposium on “Orai/STIM1 Physiology and Pathophysiology”. This Symposium has been accompanied by a themed series of Reviews, published in Journal issues from March 15-May this year. Many thanks to all the speakers and Review authors for making this lasting contribution to the Journal. Along with the scientific activities, the EIC held meetings with Editorial Board members and Associate Editors, a “Meet the Editor” event at the APS booth and a podcast interview with Anna Vainstein and David Hood.

I am delighted to announce that two new Associate Editors will join AJP-Cell Physiology from July 1, 2016. Prof. Sue Bodine (UC-Davis) is an expert in the cell and molecular physiology of skeletal muscle, an area in which the Journal is receiving increasing manuscript submissions. Dr. Kirk Hamilton (University of Otago, New Zealand) is an expert on ion channels and transporters in epithelia. His participation as an AE will increase the international prominence of AJP-Cell. Dr. Hamilton is the current Secretary of the APS-Cell and Molecular Physiology Section (CaMPS) Steering Committee.

I would like to make CaMPS members aware of our Calls for Papers from July 1 2016. AJP-Cell will continue Calls for Papers on “Cellular Mechanisms of Proteostasis”, “Gasotransmitters” and “Stem Cells: Physiology and Microenvironment”. New Calls will be issued for research manuscripts in the areas of “Cell-to-Cell Communication and Signaling Pathways”, “Pathophysiology of Skeletal Muscle Loss”, and “Single Cell Physiology”.

From June 2016, you will notice a change in the Journal issues and eTOCs. Starting June 2016 AJP-Cell will move to “continuous publication” along with all the other American Journal of Physiology titles. This means that each article will be published in its final form (i.e., page-set and checked by APS Publications) as soon as it is ready. Each time a new article is posted at AJP-Cell, an eTOC will be sent to subscribers. At the end of each month, a final eTOC will list all the papers published during that month. Subscribers can chose the frequency at which they receive eTOCs at http://ajpcell.physiology.org/alerts/toc/edit?destination=alerts

Information on previous Collections of Reviews, Themes, Calls for Papers and Methods in Cell Physiology can all be found under the “Collections” tab at the Journal homepage. If you would like to receive other AJP-Cell news on a regular basis, sign up (or have your lab. members sign up) for AJP-Cell postings on Twitter (https://twitter.com/AJPCellPhys) or facebook (https://www.facebook.com/pages/American-Journal-of-Physiology-CellPhysiology/178277545642714).

Members of the Cell and Molecular Physiology Section are warmly encouraged to submit manuscripts to AJP-Cell Physiology. Average handling times in 2015 were 1 day for the decision to review and 15.4 days to first decision. If you have ideas, comments or questions about AJP-Cell Physiology, or ideas for Reviews, Perspectives, Methods in Cell Physiology, or future Calls for Papers, please contact us at the editorial office (ajpcell-office@bristol.ac.uk).

Jo Adams, University of Bristol, UK.

Mouse over blue hyperlink to activate.
Becoming a CaMPS representative on APS committees really helps give 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. Some do have a requirement for prior experience but many do not. Some committees are very competitive, some are less so. Some have **TRAINEE** positions available. But there will definitely be at least **ONE** that you could apply for. All committees require you to go through the nomination process and be supported by another member of APS. As your representative on Committee on Committees, I can help you identify positions that might suit you, advise you on how you make the best application, and help guide you through the process.

**Let’s get ready for the next application round!**

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

Don’t be shy 😊

Contact Debbie Baines
Committee on Committee Rep
dbaines@sgul.ac.uk

**APPLY!**

Mouse over blue hyperlink to activate.
Reception for new books published on behalf of the APS by Springer
Tuesday April 5, 2016, at EB 2016 in San Diego.

Dr. Dee Silverthorn (Chair of the APS Book Committee) arranged a book reception for recent books published by the APS. We were fortunate to have a number of the authors gather at the reception of the recently published book *Ion Channels and Transporters of Epithelia in Health and Disease* edited by Kirk L. Hamilton and Daniel C. Devor.


A few of these authors are also current or recent members of the CaMPS Steering Committee. The book has been well received and there have been over 8,100 chapter downloads. Kirk and Dan want to thank Dee for all her help with the entire book project. There is talk about a new edition of the book. Be careful, you might be asked to contribute a chapter!

Members of the APS can receive a free ebook copy at [www.the-aps.org/books](http://www.the-aps.org/books).
## CaMPS Steering Committee

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### Renewing your APS membership?

Consider making a donation to the Cell and Molecular Physiology Section to support trainee awards and the section dinner (https://ebus.the-aps.org/PersonifyEbusiness/OneClickDonation.aspx?TabID=1515&ProductId=2068077).