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SAVE THE DATE
Philadelphia, November 12, 2014

The Pre-ASN Epithelial Transport Meeting for Young Researchers
The meeting will be held between 9.00AM – 5.00PM in Stiles Alumni Hall, Drexel University College Of Medicine, Drexel University, Philadelphia
Sponsored by the American Heart Association

IMPORTANT
Abstract Deadline: Thursday November 6, 2014

SEND TO THE ETG, ABSTRACT CATEGORY:
1162-APS Epithelial Transport: Cell Biology of transporters and channels
1163-APS Epithelial Transport: Pathophysiology of transporters and channels

TRAVEL GRANTS AVAILABLE TO EARLY CAREER SCIENTISTS TO HELP THEM ATTEND THE EB MEETING
Message from the ETG Chair Moshe Levi

This year the ETG Steering Committee put together an exciting Program for EB 2015 in Boston.

We have 2 Featured Symposia that will also feature The USSING Lecture and the HEBERT Lecture.

We also have a Symposia on Regulation and Role of Autophagy in Age related Diseases which will feature 4 top and exciting speakers covering several state of the art and relevant areas to physiology and pathophysiology.

Janet Klein has submitted a NIH R13 Travel Grant and Judith Blaine has been able to secure Grants from AHA KCVD and Hypertension Councils so that we can award several travel grants for young career investigators including graduate students, postdoctoral fellows and if possible starting instructors and Assistant Professors.

We look forward to seeing you in exciting Boston.

Abstract Deadline: Thursday November 6, 2014
Contributed by Robert Fenton

Twice a year, on the days preceding the FASEB Experimental Biology meeting and the American Society of Nephrology annual meeting, a research symposium is held that focuses on all aspects of epithelial cell transporters, channels and receptors, their function and their regulation. The symposia are usually attended by between 80 and 120 researchers and have been held, in some form or another, since 1991.

Purpose:
As the name implies, although everyone is welcome to attend the ‘Young Investigators Symposium’ special emphasis is given to younger researchers (PhD/graduate students, post-doctoral fellows etc.) who get the opportunity to present their work in a friendly and less formal atmosphere. The meeting will consist of short communications (10-15 min duration) and ample time is allocated for extensive discussion.

Registration:
A small registration fee (usually $20) gives you a full day of research talks tailored specifically to your areas of interest and we include coffee!

For further information please contact ROBERT FENTON (ETG2012@ana.au.dk).

HAVE YOU EVER ATTENDED THE BI-ANNUAL ETG YOUNG RESEARCHERS SYMPOSIUM?

If not, why not?!

At the last symposium, held in San Diego in April, over 90 researchers from 16 different countries attended. The symposium was a great success.

If you are interested in attending/presenting, then please send your name and potential presentation title/authors and abstract to the email address below. Approx 3 weeks before the meeting you will be notified if you have been selected for an oral presentation.

The next meeting will be held on November 12 between 9.00AM – 5.00PM (Wednesday before the meeting) in Stiles Alumni Hall, Drexel University College of Medicine, Drexel University, Philadelphia.

Travel scholarships:
We are able to offer limited travel scholarships to those presenting to help defray the extra costs associated with this meeting. Therefore, please submit an abstract to be considered for these awards. Sponsored by the American Heart Association Councils for the Kidney in Cardiovascular Disease (KCVD), Hypertension and Basic Cardiovascular Sciences (BCVS) sections for travel scholarships.
Reasons to Attend ASN 2014 in Philadelphia

Basic and Clinical Science Symposium:
Ubiquitin Meets Kidney Salt Transport and Blood Pressure Regulation
November 13 | 02:00 PM – 04:00 PM
Location: Room 111, San Diego Convention Center
Session Description: Recent studies revealed ubiquitin-mediated pathways for regulating the sodium-chloride cotransporter (NCC), the molecular target of the thiazide diuretics, and its WNK kinase regulators in health and hypertension. This session highlights recent exciting breakthrough studies.

Sorting It Out in Endosomes: An Emerging Concept in Renal Epithelial Cell Transport Regulation
November 14, 2014 | 02:00 PM - 04:00 PM
Location: Room 115-C
Session Description: Ion and water transport by the kidney is continually adjusted in response to physiologic cues. Selective endocytosis and endosomal trafficking is increasingly appreciated as a mechanism to acutely modulate renal function. This session highlights emerging paradigms in this new area of investigation.

Novel GPCR Signaling in Electrolyte Balance and Hypertension
November 15, 2014 | 02:00 PM - 04:00 PM
Location: Room 115-C
Session Description: Novel G-protein–coupled receptors (GPCRs) have recently been identified in the kidney, illuminating completely new signaling systems that regulate electrolyte balance and control blood pressure. A new paradigm of GPCRs in intrarenal paracrine signaling and metabolism-coupling has emerged. This session highlights these new developments.

Salt and Hypertension: How Does Potassium and Chloride Flip the Switch?
November 16, 2014 | 10:00 AM - 12:00 PM
Location: Room 104
Session Description: Alternations in renal sodium handling are well appreciated to contribute to the development of hypertension, but the precise role of dietary salt remains hotly debated. Recent studies have begun to resolve the paradox as important roles of dietary chloride and potassium have been identified. This session highlights recent breakthrough studies revealing mechanisms by which potassium and chloride separately control renal salt handling.

Oral Abstract Sessions:
Na+, K+, and Cl- Basic
November 13, 2014 | 04:30 PM - 06:30 PM
Location: Room 203

Mechanisms of Acid-Base Balance and Disease
November 14, 2014 | 04:30 PM - 06:30 PM
Location: Room 203

Water/Urea/Vasopressin, and Organic Solutes
November 15, 2014 | 04:30 PM - 06:30 PM
Location: Room 112
EB 2015 ETG-Sponsored Lectures

Hans Ussing Lecturer

Tuesday, March 31, 2015 at 10:15 AM

Jerrold Turner, MD, Ph.D.
Sara and Harold Lincoln Thompson Professor of Pathology
The University of Chicago

Research Interests:
- cell biology of tight junction structure and function
- physiology and pathophysiology of the tight junction
- cytoskeleton mechanisms of tight junction regulation and drug
- tight junction permeability in disease pathogenesis and mucosal immune regulation

Steve Herbert Lecturer

Tuesday March 31, 2015 at 8:00 AM

Melanie Cobb, Ph.D.
Professor
Jane and Bill Browning, Jr. Chair in Medical Science
Department of Pharmacology
UT Southwestern Medical Center

Research Interests:
- cancer biology
- protein kinase structure/function
- regulation of nutrient responses
- signal transduction mechanisms
- vesicular trafficking
EB 2014 Highlights

EB 2014 Highlights in San Diego

The 2014 ETG Steve Herbert Session: Paul Welling (left) who received the Steve Herbert Award, with the speakers (left to right), JM Berman, L. Cheng, J. Richards, L. Rojas-Vega and GR Ares

The 2014 ETG Hans Ussing Session: Eleanor Lederer who received the Hans Ussing Award together with Moshe Levi

The 2014 ETG Hans Ussing Session: The moderators R. Rao and H. Cai with the speakers (left to right), DM Collier, W. Richter, U. Seidler, S. Haerteis and J. Hoenderop

Trainees who presented at these 2014 ETG sessions received Research Recognition Awards in Part supported by an NIH R13 grant to ETG
Update on AJP Cell from the Editor: Jo Adams

Members of the ETG are warmly encouraged to submit manuscripts to AJP-Cell Physiology. Epithelial transport and, indeed, the entire area of epithelial cell biology and physiology is a major area for publications in AJP-Cell Physiology. Since July, the team of Associate Editors includes Jason Yuan (Deputy Editor), Eric Delpire, Sophie Lotersztajn, Gregg Semenza and Sanjay Pimplikar. The Editorial Advisory Board has many members with expertise on epithelial physiology.

A number of new initiatives are underway at AJP-Cell Physiology. From October, a new category of manuscripts, Rapid Reports, will be available for submissions. Rapid Reports are reserved for short papers presenting important new findings which could potentially have a major impact on their field. Manuscripts must be compelling, innovative and novel. The manuscript may contain 4000 words including references and a total of 4 figures and/or tables. Rapid Reports will undergo fast peer review and only one round of revision will be possible. To find out more, please see: www.the-aps.org/mm/Publications/Journals/AJP-Cell/Article-Types

The current Calls for Papers at AJP-Cell include topics of interest to the ETG, all of which will continue until at least Dec 31, 2014. We are calling for research paper submissions in the areas of:
• Omic and Systems Biology Approaches in Neurodegenerative Diseases
• Cellular Mechanisms of Tissue Fibrosis
• Endoplasmic Reticulum Stress
• Physical Biology of Cancer
• Stem Cell Physiology and Pathophysiology
• STIM and Oral Proteins in Calcium Signaling

AJP-Cell Physiology will sponsor a Symposium at EB2015 in Boston, in association with CaMPS, on the topic of “Morphogen Signaling Pathways in Tissue Patterning and Disease Processes”. This is another area linked inextricably to epithelial cell physiology and transport. I hope to see many of you there. A related poster session is planned.

During the summer, AJP-Cell Physiology has begun to establish a social media presence on twitter and, more recently, facebook. Twitter in particular is becoming more used by life scientists as a fast means to communicate about the very latest research. The goal of these outreach activities is to increase the visibility of AJP-Cell Physiology to a wide and international community of researchers. Take a look at the AJP-Cell Physiology postings at https://twitter.com/AJPCellPhys and https://www.facebook.com/pages/American-Journal-of-Physiology-Cell-Physiology/178277545642714. Do join, if you are not signed up.

AJP-Cell Physiology continues to provide authors with constructive and fair reviews and a rapid turn around time to first decision. All accepted manuscripts are published on-line within a week of acceptance and become available rapidly on PubMed. Please visit AJP-Cell Physiology at (http://ajpcell.physiology.org) to see the latest papers and highlighted articles and sign up for eTOCs.

ETG members are welcome to contact the editorial office (ajpcell-office@bristol.ac.uk) with any ideas, suggestions and comments regarding AJP-Cell, including ideas for Reviews, Perspectives, Methods in Cell Physiology, or future Calls for Papers. I look forward to working with you.
Update on AJP Renal from the Editor: Darwin Bell

It has been an exciting year for AJP-Renal! With the goal of further improving the journal, our editorial team has worked hard to put in place a series of new initiatives.

In June we introduced a new article type---Rapid Reports, intended for short papers presenting important new findings which could potentially have a major impact on the field. These articles will have a fast turn-around time, with peer reviewers asked to complete their reviews within 10 days, and the final decision on first revisions rendered by the editors within 5 days of resubmission. So, if you have a manuscript that tells a story that is compelling and novel, but perhaps not complete, and if you want that manuscript to be published quickly, please consider submitting it to AJP-Renal as a Rapid Report.

We are starting a series of Perspectives articles written by clinicians that introduce opportunities for translation, or "bench-to-bedside" research, where questions posed in these articles can be addressed by basic science research in renal/bladder physiology that will hopefully lead to new drugs, devices, or treatment options for patients. Basically the articles would say: "What we need to know about...?". The goal is to facilitate the translation of knowledge between basic science and clinical medicine. If you would like to contribute to this series, or if you would like to nominate a colleague, please contact us.

The best papers published in AJP-Renal are highlighted by Editorial Focus articles and by podcasts. In August, we introduced our first video-cast, which can be viewed on YouTube (https://www.youtube.com/watch?v=xnZNRidPCXU&feature=youtu.be). Similar to the traditional podcasts, these video-casts will showcase the work via an interview between one of our editors and the author.

There are now four Calls For Papers that will run from July to the end of the year:

- Sex and Gender Differences
- Renal Hypoxia
- Developmental Origins of Health and Disease
- Lower Urinary Tract Symptoms

We will expedite the review of these manuscripts and hope to have a good number of papers published in each of these categories.

We also encourage all of you to consider writing a review, or nominating others to write reviews. Indeed, the state-of-the-art reviews that we have published have been very popular. If there are topics that you would like to see covered in the future, please let us know.

Deputy Editor Anita Layton and Managing Editor Amy McEver have created a Facebook page for our journal at https://www.facebook.com/AJPRenal. Please like our homepage, log in often, and we hope that it will be a venue for information, conversation, and to help connect the renal community.

As always, I want to thank the Reviewers for their time and effort spent in reviewing manuscripts and review articles. It is very much appreciated! We are particularly proud of our fast turn-around time, with an average of 21 days to first decision. Please send us your suggestions on how to improve our journal. We are committed to making AJP - Renal Physiology the top in renal research!
### Epithelial Transport Group Steering Committee

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