The Past Year has seen Exciting Growth and New Developments for our Group!!

Major highlights and developments in TPIG over the past year include:

1) A new format for Abstract submission to EB 2015 rolled out last Fall, to select Yes/No option if author determines project to be “Translational.” This led to...

2) The very 1st TPIG Featured Topic on Obesity, Hypertension, and Diabetes was held at EB 2015 in Boston, with 10 short talks presented by up-and-coming physiologists!! (recap w/photos on p. 2)

3) Formation of a dedicated TPIG Programming Committee (p. 3)

4) Receiving approval from APS for a 2nd TPIG Featured Topic/Short-talk event at EB 2016 in San Diego. The Theme will be “Alcohol, Environment and Behavioral effects on Physiology” (p. 4).

5) Rapid growth in TPIG membership- now in virtual tie for 2nd largest group in APS with 1000+ members.

What is TPIG, and how do I join?

Several years ago, APS established the Translational Physiology Interest Group (TPIG) in order to facilitate the membership's interest in translational research. TPIG has achieved tremendous growth in membership and activity since its inception in 2010 (as noted above).

Think your work is translational and want to join? Then please log into the APS member-only site, add the TPIG to your section/group affiliation, and subscribe to the group Listserv. You do not have to change your affiliation with any other sections or groups.
Congratulations to all of the speakers who participated in the Inaugural Featured Topic/Short-talks for TPIG at EB 2015 !!

Back row (L to R): Hyehun Choi, Niousha Ahmari, Leslie Solis, Jaume Padilla, Shekhar Deo, Jonathan Warren

Front row (L to R): Megan Kathleen Rhoades, Kristen Turner, Margaret Nelson, Lauren Reese (also shown at podium to right)

Not shown: D.Z. Liu, K. Narimatsu, L. Sidossis, Jennifer Thompson, E.Y. Senchenkova

EB 2015 Statistics: Translational Physiology within the APS

Total # abstracts submitted to APS for EB 2015 = 2,384
Total # APS abstracts checked “Yes” to indicate work is Translational = 901 (110 did not select an option) ~35 % of all submitted abstracts were Translational in nature !!!
Total # Translational abstracts selected for TPIG Featured Topic/Short talks = 15

EB2016 abstract submission will still have the translational Yes/No button. Please indicate if your research is translational. If your work aligns with the topics for EB2016 (see p. 4), you may be selected for the short-talk format in addition to however your primary section chooses for you to present your abstract.

Remember to follow these instructions when submitting your abstract, and we hope to see you at the meeting in San Diego next Spring !!

Bradley T. Andresen
TPIG Programming Chair
Steering Committee

Ethan J. Anderson, Ph.D.
Communications Chair
Dept. of Pharmacology & Toxicology
Katsu Funai, PhD
Member, Communications Cmte
Dept. of Kinesiology & Physiology
East Carolina University

Dinender Singla, PhD, FAHA
Nominating Chair
Burnett School of Biomed. Sci.
U. of Central Florida
Carrie E. McCurdy, PhD
Member, Nominating Cmte
Dept. of Human Physiology

Colin Young, Ph.D.
Training Chair
Dept. of Pharmacology & Physiology
George Washington U.

Christopher L. Mendias, PhD
Member, Training Cmte
Dept. of Orthopedic Surgery
U. of Michigan

"The open society, the unrestricted access to knowledge—these are what make a world of human community" — J. Robert Oppenheimer

Introducing New TPIG Programming Committee Members—

Lobros S. Sidossis, PhD— Member, Programming Committee
Department of Internal Medicine, Division of Geriatric Medicine
UT Medical Branch at Galveston, TX

Benjamin Bikman, PhD— Member, Programming Committee
Department of Physiology & Developmental Biology
Brigham Young University

Bradley K. McConnell, PhD— Member, Programming Committee
Department of Pharmacological and Pharmaceutical Sciences
University of Houston

*Jennifer A. Thompson, PhD— Trainee Member, Programming Committee
Georgia Regents University

*Kristen D. Turner— Trainee Member, Programming Committee
East Carolina University

Term: July, 2015 —> July, 2017

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SAVE THESE DATES for TPIG Events at EB 2016:

**TPIG Feature Topic/Short-talks- “Alcohol, Environment and Behavioral Effects on Physiology”**

Sun. April 03, 8-10 a.m., Rm 28B, Convention Center

The **EB2016 Abstract Submission site** is now open. Like last year, as part of the process to increase awareness for translational physiology within the APS, a checkbox has been added to the Abstract Submission site asking "Is this work translational?" If you think it is translational in nature and fits any of the following 3 themes, click “Yes.”

1) Alcohol abuse

2) Behavior/diet and nutrition

3) Extreme environmental conditions

Any abstract submitted to EB2016 that indicates that it is translational in nature and matches one of the above topics may be chosen for the short-talk format. Importantly, the short-talk format is in addition to all other section planned activities for your abstract so you can think of this as a bonus. **Additionally, the session will be Sunday morning so it will likely be your first presentation for your abstract, and you can advertise your future poster/presentation.**

**TPIG Symposium - “Novel Molecular Targets and Therapeutic Approaches in Myocardial Infarction and Heart Failure”**

Wed. April 06, 8-10 a.m., Rm 26, Convention Center

**Chairperson**
Walter J. Koch
Temple U. School of Med

**Co-chairperson**
Tom E. Sharp
Temple U. School of Med

**Speakers**

**Maria I. Kontaridis**
Harvard U., Beth Israel Deaconess
*RhoA signaling pathways in heart failure*

**Jop A. van Berlo**
University of Minnesota
*Harnessing Cardiac Progenitor Cells in Heart Disease*

**John W. Elrod**
Temple U. School of Medicine
*Targeting Mitochondrial Calcium Exchange Mechanisms in Heart Failure*

**Asa Gustafsson**
UC San Diego, Dept of Pharmacology
*Autophagy in the Development of Heart Failure*

**David J. Lefer**
LSU, Dept. of Pharmacology
*Translating Hydrogen Sulfide Therapeutics to the Clinic*
The Career Opportunities in Physiology Committee supports a number of APS programs to foster the career development of physiologists of all ages:

Excellence in Professional (MD/DO) Student Travel Awards for EB 2016

Did you host a great MD or DO student in your lab this summer? Are they submitting a first author abstract to Experimental Biology? If so, you’ll want them to apply this award! It provides medical student (not MD/PhD) first-authors with up to $1,800 in reimbursement for travel and advanced meeting registration for Experimental Biology. This award is designed to foster the student’s interest in research by aiding in their participation in the Experimental Biology meeting, along with gaining valuable advice from MD/DO “meeting mentors”. Applications are due one week after the Experimental Biology abstract deadline in November. See http://www.the-aps.org/md-do for more details.

APS Video Contest – Help Spread the Word!

APS Presents…Phantastic Physiology Voyage: “Function Follows Form” video contest to encourage undergraduate and graduate students to creatively connect with physiology and engage them with the broader public through a short video contest. Videos should creatively demonstrate and/or explore a specific physiological function in five minutes or less (including credits). The target audience is the general public. The video can be staged as a short play, commercial, news broadcast, talk show, music video, documentary etc. No professional assistance can be provided to produce the video in any manner. The first place prize is $750 plus up to $1000 in travel support to Experimental Biology to collect the award. There is also a $250 viewer’s-choice award. Follow the link for more information and to view previous winners: http://www.the-aps.org/video. Entries are due December 15.

Science Fair Prizes

Know of a science fair near you? The APS has FREE prizes to give away! Just fill out a simple online request form (http://bit.ly/1Pxpf5p) and APS members can present one award per science fair. Student winners receive an APS t-shirt and a certificate for the best physiology project. The teachers of the winning students will receive an APS teaching resource packet. Follow this link for further details: http://bit.ly/1NgXJe2

Summer Undergraduate Research Fellowships

It’s never too early to start thinking about next summer! Our committee sponsors awards to encourage undergraduate students to pursue a career in research, providing a $4000 stipend and $1300 in Experimental Biology travel support to the student, and a $300 grant to the APS member’s lab. Awards are available both for students with little or no prior research experience (Undergraduate Summer Research Fellowship or UGSRF) – see http://www.the-aps.org/ugsrf) or significant exposure to research already (>9 months; Undergraduate Research Excellence Fellowships or UGREF – see http://www.the-aps.org/ugref). The APS sponsors 3 additional summer research programs targeting underrepresented undergraduate students. See http://www.the-aps.org/summerresearch for additional details and opportunities. Applications are due February 1.

Please contact Erika Boesen, PhD (erika.boesen@unmc.edu) if you have any questions, comments, or concerns regarding Career Opportunities in Physiology programs.
The TPIG Steering Committee is seeking nominations (self-nominations acceptable) for the following positions:

- Vice-Chair of Programming Committee (contact Brad Andresen)

Links for EB 2016 Abstract Submission, Awards, Housing, etc.

**Call for abstracts:**
Submission deadline: November 5, 2015

**American Physiological Society Awards by Section**
[http://www.the-aps.org/mm/awards/sections](http://www.the-aps.org/mm/awards/sections)
Click on the above link for information about applying and deadlines.

**Housing Information**
[http://experimentalbiology.org/2015/Attendees/Housing.aspx](http://experimentalbiology.org/2015/Attendees/Housing.aspx)
Discounted housing deadline: February 23, 2016.

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**TRANSLATIONAL PHYSIOLOGY INTEREST GROUP**

Please send TPIG correspondence to:

Ethan J. Anderson, Ph.D.
Communications Chair, Translational Physiology Interest Group

Department of Pharmacology & Toxicology
Brody School of Medicine
East Carolina University

252-744-2757

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[http://www.the-aps.org/mm/hp/Audiences/Groups/translational](http://www.the-aps.org/mm/hp/Audiences/Groups/translational)