

*Status and Initiatives
of the APS*

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APS Executive Director

ACDP Retreat, Puerto Vallarta, Mexico

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Integrating the Life Sciences from Molecule to Organism

APS/ACDP Cooperative Efforts

- ACDP Salary Survey – 1980s
- APS/ACDP Survey of Recent Doctoral Recipients - 1998
- Medical Physiology Core Curriculum Objective Project – 2002
- Professional Skills for Physiologists and Trainees – 2003
- Animal Usage in Physiology Education
- Medical Physiology Course Directors web site
- Helping APS expand its Chapter Program
- Graduate Program Directors Meeting

Future Project – Development of an Archive of Physiology Teaching Videos



What is APS doing to foster the discipline pipeline?



Integrating the Life Sciences from Molecule to Organism

Education, Diversity, and Career Development Programs

- Multi-level Programs (Provide resources & training on demand)
- Archive of Teaching Resources Digital Library & Communities of Practice
- APS Career Web, with Mentoring and Career Development Forum
- Professional Skills Training courses (in person and online)



K-12 Education Highlights

(improve science education & physiology awareness)

- Summer research programs & online professional development for K-12 teachers
- Physiology Understanding Week (PhUn Week)
- Local, regional and national science fair awards for physiology projects
- Outreach fellowships for URM physiology trainees



Undergraduate Education Highlights

(improve physiology education & increase career interest)

- Summer research fellowships for 80+ students annually, including targeted programs for underrepresented students
- EB awards for abstracts and poster presentations
- EB orientation session and poster session
- Archive Scholars faculty professional development program
- Video contest: sharing physiology with public (also for grad students)



Graduate/Professional Education Highlights

(promote professional development & APS
involvement)

- EB awards for abstracts
- *List of Professional Skills and Med. Phys. Learning Objectives*
- Travel awards & meeting mentoring for URM students
- Graduate fellowships for URM students (Porter)



Continuing Education Highlights

(promote professional development and career advancement)

- Awards for mentoring and early career professional service
- EB career development symposia and refresher course
- Support for directors of graduate programs and medical physiology courses



Publications

- **Original research Journals**

American Journal of Physiology (composed of seven specialty journals) ; *Journal of Applied Physiology*; *Physiological Genomics*; *Journal of Neurophysiology*; *Advances in Physiology Education*; *Physiological Reports* (launched 2013 jointly with The Physiological Society, UK)

- **Review Journals**

Physiological Reviews; *Physiology*;
Comprehensive Physiology (e-update of the Handbook of Physiology)

- **Newsletter**

The Physiologist

- **Book Monograph Series**



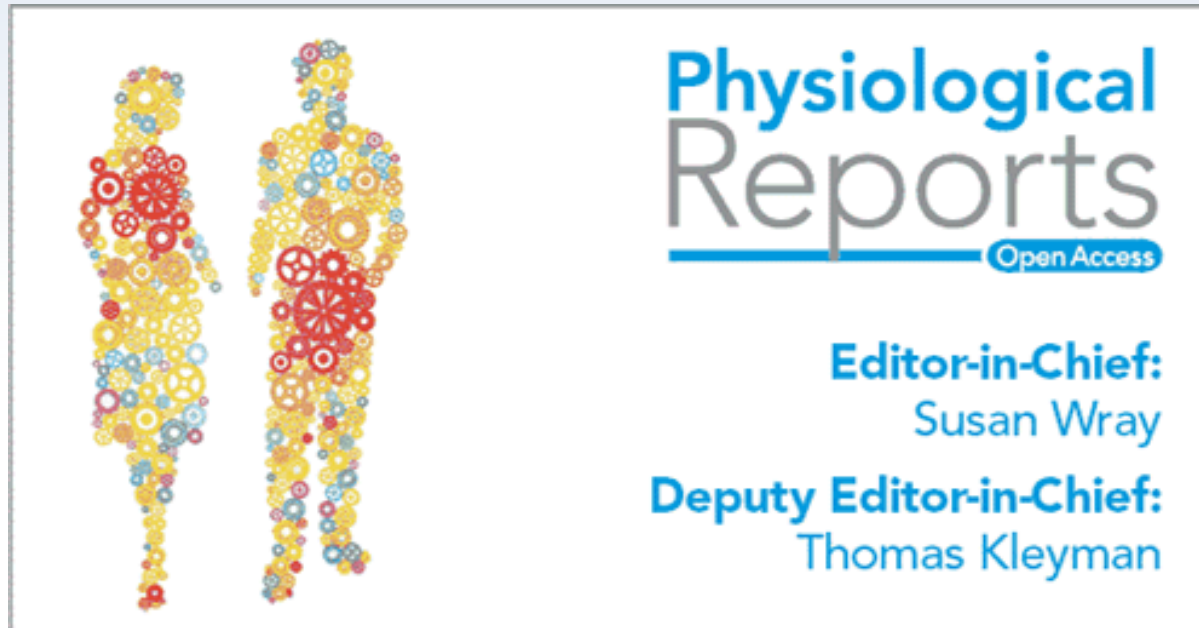
published on behalf of the APS by Springer

Integrating the Life Sciences from Molecule to Organism

Publications

Cooperative venture with *The Physiological Society (UK)*

- An Open Access Journal Launched March 2013
- Through October, 266 submitted, 123 published
- 1st Decision - 10 days, Accept to Publication - 35 days



Publications

Coming Soon...*aps*_{Select}

This will be a **virtual journal** that **highlights and promotes the best of the best** research papers; the top 10 papers accepted each month in the 10 APS research journals.

- Each highlighted paper will retain the original citation from the journal in which it was published
- These papers will be accompanied by an Editorial and attractive artwork
- The APS main page will be the central destination so all will be able to see the **latest/greatest APS has to offer**



Science Policy

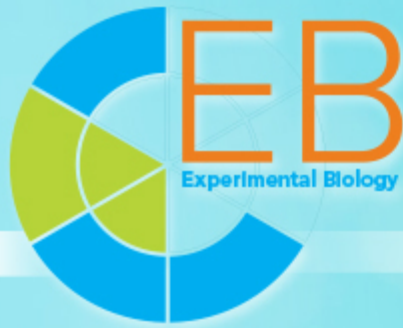
- Federal funding for biological research
- Humane use of animals in research
- Strengthen relationship with funding agencies such as NIH and NSF
- Publications access
- Peer review
- In collaboration with
FASEB, AAMC, R!A
AMP, NABR



Science Policy

- Early Career Advocacy Fellowship: Engage early career investigators in advocacy activities, provide skills to become long-term advocates for scientific research
- *SP-News*, a monthly email bulletin of advocacy-oriented information
- Peer Review 101
- Advocacy Toolkit
- Chapter Advocacy Program





2014

San Diego

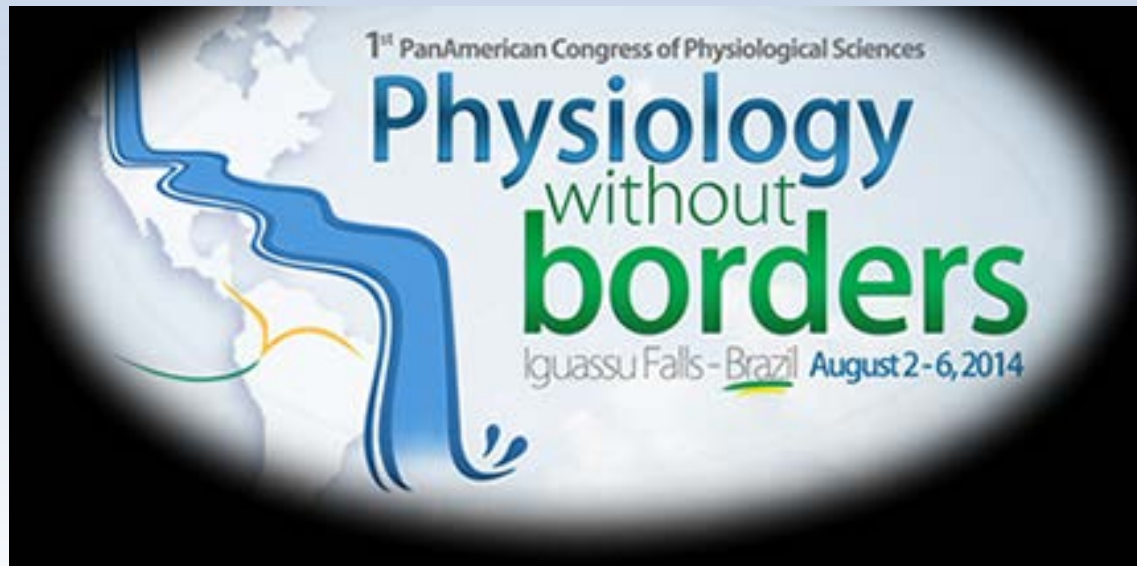
April 26-30, 2014 San Diego Convention Center

- Nobel Laureate Bruce Buetler
- *“Monitored Mutagenesis of the Mouse Genome to Identify Proteins with Essential Immune Functions”*
- WEDNESDAY, APRIL 30, 4:45 PM
- Followed by a trainee reception and the APS Closing Party starring “GI Distress” and the “Fabulous FASEBettes.”



Integrating the Life Sciences from Molecule to Organism

International Joint Meeting



Organized by the Physiology Societies of Argentina, Brazil, Canada, Chile, Cuba, Mexico, USA, and the Latin-American Association of Physiological Sciences.



Integrating the Life Sciences from Molecule to Organism

APS Conferences



Comparative Approaches to Grand Challenges in Physiology

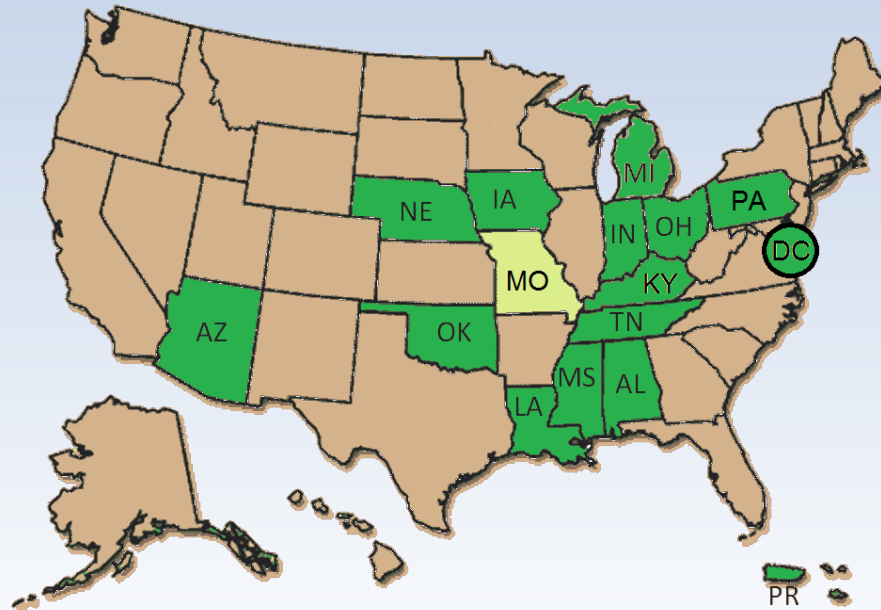
October 5—8, 2014

San Diego, California



Integrating the Life Sciences from Molecule to Organism

APS Chapter Program



Oklahoma (1982); Ohio (1986)

Iowa (1995); Nebraska (1997); Gulf Coast (1999)

Arizona (2008);

Puerto Rico (2009); Indiana (2009); Tennessee (2009);

Michigan (2012); Pennsylvania (2012); District of Columbia (2012)

Missouri (2013, to be inaugurated)



Integrating the Life Sciences from Molecule to Organism

Membership Trends

Of the 11,215 members of the APS...

27% are women

26% reside outside of the US

39% are under the age of 45



Membership Trends



BE COUNTED

www.the-aps.org/becounted

The APS Porter Physiology Development Committee and the APS Women in Physiology Committee encourage ALL APS members to complete their member profile, including information on gender, racial and ethnic group, and interest area.

- ✓ **Why does APS want this information?** A significant number of APS members do not provide demographic information. This makes it difficult to track progress in broadening participation, to gauge diversity program effectiveness, and to secure external funding.
- ✓ **How is your Membership Profile used?** APS does not release this information to the public except in the aggregate. APS Staff or committees may use this information to invite members to participate in specific programs or initiatives.
- ✓ **How can I update my information?** It's easy! Visit the-aps.org/becounted to view the step-by-step instructions.



Everyone Counts...Be Counted!



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Thank you!

Questions?

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