

*Status and Initiatives
of the APS*

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APS Executive Director

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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



APS At A Glance

- **Membership**
 - Approximately 10,500 scientists and trainees
 - **APS Fellows Program** – Inaugural class of 150 in 2015
 - Twelve disciplinary sections, 9 interest groups – discipline specific communications platforms (APS Connect)
- **Award Programs (focused on member opportunities)**
 - Focus on students, postdocs and early career investigators
 - Strong emphasis on underrepresented minorities – pre-doctoral fellowships and travel awards
 - Outreach Internationally via Awards
 - International Opportunity Program
 - International Early Career Investigator Awards
 - Career Enhancement Awards for Research and Teaching
 - Open to full through assistant professors
 - Award amount increased significantly - \$10,000 for Teaching, \$20,000 for Research



APS at a Glance - Publications

Publications – free access to APS members

- 15 journals covering the field of physiology
- *Physiological Reports*, APS-TPS OA journal
- *Comprehensive Physiology*, with Wiley
- *Monographs*, with Springer
- Free color for APS members (1st or last author)
- Consolidated TOC for all journals (<http://www.the-aps.org/mm/Publications/Journals/Current-TOC.pdf>)
- New fee structure for author manuscripts in subscription journals



APS At A Glance – Publications

continued

APSselect (<http://apsselect.physiology.org/>)

A **virtual journal** that **highlights and promotes the best of the best** research papers; the top 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**



APS At A Glance - Meetings

- **Meetings**

- Experimental Biology (multi-society meeting-APS, ASBMB, ASPET, ASN, ASIP, AAA)
 - Includes an extensive APS award program with approximately \$350,000 in awards
- International Outreach 2016
 - Joint APS-TPS meeting, Physiology 2016 - July 29-31, Dublin
 - International Conference of Physiological Sciences – September 25-28, Beijing
 - Follow-up visit to Cuba (?) – Molina, Pollock and Frank visited in April 2015
- APS conferences for 2016
 - Institute on Teaching and Learning – June 20-24
 - Inflammation, Immunity and Cardiovascular Disease – August 24-27
 - Integrative Biology of Exercise VII – November 2-4



APS At A Glance - Education

- Multi-level Programs (Provide resources & training on demand)
- [Life Science Teaching Resource Community \(LifeSciTRC\)](#) - APS' Digital library that includes content from physiology, developmental biology, anatomy, and other similar fields
- APS Career Web, with Mentoring and Career Development Forum
- Professional Skills Training courses (in person and online)
 - Interviewing skills
 - Presentations skills
 - Writing and Reviewing for Journals
 - Professional Integrity/Publications Ethics



APS At A Glance – Education

continued

- **K–16 Programs** (designed to improve science education and physiology awareness)
 - Summer research programs & online professional development for K-12 teachers
 - Physiology Understanding Week (PhUn Week)
 - Summer research fellowships for 80+ students annually, including targeted programs for underrepresented students
 - Video contest: sharing physiology with public (open to undergrad and grad students)
 - David Bruce poster competition for undergraduate poster presenters
- **Support for directors of graduate programs and medical physiology courses**
 - APPEL - Association of Physiology Professional Education Leadership



Integrating the Life Sciences from Molecule to Organism

APS At A Glance – Science Policy

- **APS Works Collaboratively with our Sister Societies in the DC Area**
 - FASEB, AAMC, Research!America, Americans for Medical Progress, NABR, SfN
- **Areas of Emphasis**
 - Federal funding for biological research
 - Humane use of animals in research
 - Strengthen relationship with funding agencies such as NIH and NSF
 - Sex as a biological variable
 - Publications access
 - Peer review
 - Research Reproducibility



APS At A Glance – Science Policy

continued

- 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

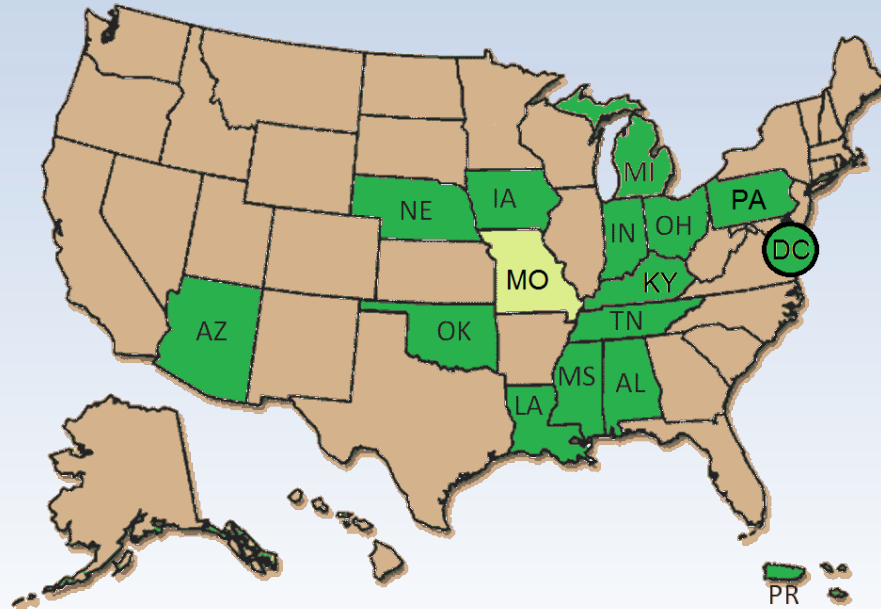


APS At A Glance – Communications

- Increasing the visibility of physiology (PhysiologyInfo.org)
- Press releases for meetings and publications
- Blogs
 - I Spy Physiology
 - Dr. Dolittle
- Social media – Facebook, Twitter, LinkedIn, and more!



APS Chapter Program (13)



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)



Local Physiology Networks

(Virtual Physiology Departments)

An opportunity to recapture physiology in institutions lacking physiology departments

A pilot program (a compliment to the chapter program):

- University of Alabama at Birmingham – no physiology department, but over 75 APS members
- Birmingham Physiology Network held its first meeting in 2015 and has scheduled a second meeting for 2016
- In the process of developing Standard Operating Procedures for this new program



Future Initiatives

- Initiated in 2015
 - APS Fellows Program
 - Higher Logic – creating communities
 - Local Physiology Networks
- On-going Initiatives
 - Minding Your Business – re-branding/re-positioning effort, report due summer 2016
 - Strategic Planning exercise – 2016/2017 including a member survey



- Thank you!

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