Dear CEPS members:

The 2014 APS Meeting in Comparative Physiology will be held at the Town and Country Resort and Convention Center in San Diego on October 5-8, 2014. The meeting features 2 plenary lectures, 15 symposia, 2 trainee-oriented workshops, and many abstract-based oral and poster presentations. This exciting meeting is an unparalleled opportunity to present your newest research, attend cutting edge symposia, and network with colleagues from APS and the other international sponsoring societies.

**SPECIAL CALL TO TRAINEES (undergraduate, graduate, postdoctoral and junior faculty):** The APS and CEPS believe your research is important and encourage you to attend this meeting and apply for travel and research awards. CEPS will give out more than 20 travel awards based on submitted abstracts. In addition, APS and FASEB sponsor many travel award programs for minorities, disabled students, and junior faculty. Most will cover nearly all the costs of attending this meeting. CEPS will also give out the Scholander and Best Poster Awards based on oral and poster presentations at the meeting. All of these awards are just waiting for you to apply. See the links and deadlines below for more information. Apply early and often.

Complete Meeting Information:
http://www.the-aps.org/mm/Conferences/APS-Conferences/2014-Conferences/Comparative

Scientific Program:
http://www.the-aps.org/mm/Conferences/APS-Conferences/2014-Conferences/Comparative/Program

Abstract Submission:
http://www.the-aps.org/mm/Conferences/APS-Conferences/2014-Conferences/Comparative/Abstracts

Trainee, Travel, and Minority Award Information:
http://www.the-aps.org/mm/Conferences/APS-Conferences/2014-Conferences/Comparative/Awards

**Deadlines:**
- **July 9** Abstracts
- **July 16** APS Abstract and Minority-based Travel Awards
- **July 16** CEPS Best Poster Competition
- **July 16** CEPS Scholander Award
- **August 15** MARC Program Travel Award

Mark your calendars, submit abstracts, and plan to attend!!
In addition to the exciting scientific program, Comparative Physiology 2014 will feature two Workshops for trainees and teachers.

Workshop 1: Trainee Workshop: Non-Traditional Career Paths for Comparative Physiologists
   Chairs: Cassondra Williams, University of California, Irvine
          Bernard Rees, University of New Orleans

Monday, October 6 – 5:45-7:15 pm

The goal of this workshop is to inform trainees on the many career paths available to them and to let them know that traditional academia is not the only job for which they are trained. Trainees will learn how other scientists have found, or even created, non-traditional careers and the path that led them to their current jobs.

Finding an academic job has become more difficult with fewer jobs available due to government cuts at both the local, state and government level. In addition, academic careers for underrepresented minorities and women are still challenging. Underrepresented minorities make up only 4% of all full professors at R-1 institutions. Similarly, although women earn half of the degrees in science and engineering, they only make up one-fifth of full professors. Providing a broad range of career options for all trainees, especially those who may see academia as a difficult path, will serve to encourage trainees to continue in science. Finally, many trained scientists have broad skills in a number of areas and this workshop will help them see they can find careers in which they can use other skills, in addition to their scientific expertise.

Topics and Presenters:

The Soft Money Research Position: How Does it Work?
   Shawn Noren-Kramer, University of California, Santa Cruz

Science Education for the General Public
   Karen Kalumuck, San Francisco Exploratorium

Taking the Road Least Traveled: Non-Governmental Organizations
   Dorian Houser, National Marine Mammal Foundation

The Undergraduate University Path
   Scott Kirkton, Union College

The Transition to Industry
   Robert Swezey, SRI International
Workshop 2: The Challenge of Teaching Physiology in a Changing Environment: Innovations and Resources
Chairs: Tom W. Ecay, East Tennessee State University
Karen Sweazea, Arizona State University

Tuesday, October 7 – 5:45-7:15 pm

Life science teaching is undergoing a transition necessitated by the accelerating accumulation of information and the advancing technologies for aggregating and disseminating that information. New technologies are shaping the learning styles of ensuing generations of students and providing novel but untested means to transform the traditional classroom and disseminate knowledge. New teachers (trainees and junior faculty) and those seasoned by years in the classroom face similar challenges identifying essential concepts and the effective pedagogies that insure transmission to their students. This workshop will provide aspiring teachers and veteran educators with an up date on the directions, models and resources to benefit their classroom effectiveness and student learning outcomes.

Topics and Presenters:

Vision and Change Update: Chronicling the Changes
Cynthia Bauerle, Howard Hughes Medical Institute

Teaching and Learning by Inquiry
Barbara Goodman, University of South Dakota

Assessing Student Learning After Converting to Inquiry
Douglas Luckie, Michigan State University

Constructing Concept Inventories and Assessing their Value
Jenny McFarland, Edmonds Community College

APS Resources for Teachers and Students
Miranda Byse, American Physiological Society
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<th>Sunday, October 5</th>
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<tr>
<td>2:00 PM Registration</td>
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<td>8:00—10:00 AM Concurrent Symposia</td>
<td>Physiological Adaptations to Extremes: Providing Novel Animal Models for Investigating Health and Disease J. W. Hicks and T. Wang</td>
<td>8:00—10:00 AM Concurrent Symposia</td>
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<td>Genomics in Integrative and Comparative Physiology D. L. Crawford</td>
<td>Overcoming a Major Physiological Barrier: Adaptation from Saline to Freshwater Habitats G. Charmantier and C. Lee</td>
<td>Comparative Gastrointestinal Physiology: From Genes to Animal Performance D. P. German</td>
<td>Molecular and Physiological Features of Animal Diapause S. C. Hand</td>
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<td>12:30—3:30 PM Poster Presentations</td>
<td>3:30—5:30 PM Concurrent Abstract Oral Presentations</td>
<td>12:30—3:30 PM Poster Presentations</td>
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<td>4:50—5:00 PM Welcome B. Rees</td>
<td>5:45—7:15 PM Workshop 1 Trainee Workshop: Non-Traditional Career Paths for Comparative Physiologists C. Williams and B. Rees</td>
<td>5:45—7:15 PM Workshop 2 The Challenge of Teaching Physiology in a Changing Environment: Innovation and Resources T. W. Ecay and K. Sweazea</td>
<td>7:00—10:00 PM Awards Banquet 8:30—9:30 PM Plenary Lecture: Participant: S. L. Chown</td>
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<td>5:00—6:00 PM Plenary Lecture: Participant: P. Schulte</td>
<td>6:00—8:00 PM Opening Reception</td>
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Join APS at the Opening Reception!

**Sunday, October 5, 6:00 pm - 8:00 pm**