**APS Intersociety Meeting: Global Change and Global Science: Comparative Physiology in a Changing World**

**Date & Location:** August 4-7, 2010  
Westin Westminster Hotel, Westminster, Colorado

**Abstracts Due:** May 3, 2010  
**Advance Registration:** June 25, 2010

**Preliminary Program:**
- The Role of Physiology in Organismal Responses to Global Warming
- Off the Beaten Path: Integrative Aspects of Muscle Function During Diverse Locomotor Behaviors
- Hydration, Desiccation, Regulation: The Comparative Physiology of Water Balance
- Physiological Effects of Ocean Acidification on Marine Animals in Times of Ocean Warming: Ecosystem Implications
- Evaluating the Effects of Global Climate Change to the Fauna of South American Biomes: Consequences to Diversity from a Physiological Perspective
- Environmental Adaptations of Cardio-Respiratory Systems
- Putting Comparative Physiology to Work in the Field: Stable Isotopes as Tracers of Ecological Processes
- Genomics and Proteomics Approaches to Understanding Environmental Stress
- The Life History Physiology Nexus
- The Physiology of Trace Metal Homeostasis and Toxicity
- Global Change and the Emerging Threat of Dead Zones: Can Individuals, Populations, Species, and Communities Respond to Increasingly Hypoxic Oceans?

**For more info or to register, visit:**  
[www.the-aps.org/comparative](http://www.the-aps.org/comparative)

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**APS Conference: Inflammation, Immunity and Cardiovascular Disease**

**Date & Location:** August 25-28, 2010  
Westin Westminster Hotel, Westminster, Colorado

**Abstracts Due:** May 14, 2010  
**Advance Registration:** July 23, 2010

**Preliminary Program:**

**Basic Aspects of Immunology**
- Basic Aspects of T Cell Function
- How to Measure and Study Immune Responses
- Events in the Lifespan of a T Cell
- Cytokines and the Use of Cytokine Directed Therapy
- Roles of NK and NKT Cells During Early Lesion Formation

**Cell Interactions and Antigen Presentation**
- Antigen Presentation and Dendritic Cell Function
- The Dendritic Cell and Transition from Innate to Adaptive Immunity

**Inflammation and the Metabolic Syndrome**
- Obesity and Inflammation
- Toll-Like Receptors and Metabolic Syndrome

**Inflammation, the Vascular Wall and Lesion Formation**
- Immunobiology of the Endothelium
- The Adaptive Immune Response and Atherosclerosis
- Innate Immunity and Lesion Formation
- Immune Cell Recruitment and Atherosclerosis

**Inflammation, Immunity, Hypertension and Renal Disease**
- Innate and Adaptive Immune Mechanisms in Salt-Sensitive Hypertension
- T Regulatory Cells, Renal Discourse and Hypertension
- IL-17 and Hypertension
- Immune Cells in Sodium-Sensitive Hypertension
- Renal Inflammation and Renal Injury

**For more info or to register, visit:**  
[www.the-aps.org/inflammation](http://www.the-aps.org/inflammation)
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Comparative Physiology in a Changing World
August 4-7, 2010 • Westminster, Colorado

2010 APS Conference:
Inflammation, Immunity and Cardiovascular Disease
August 25-28, 2010 • Westminster, Colorado

Experimental Biology 2011
April 9-13, 2011 • Washington, D.C.

2011 APS Conference:
7th International Symposium on Aldosterone
the ENaC/degeneration Family of Ion Channels:
Molecular Mechanisms and Pathophysiology
Date and Location to be Determined

2011 APS Conference:
Autonomic Regulation of Cardiovascular
Function in Health and Disease
Date and Location to be Determined
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