



APS: Environmental & Exercise Section Newsletter

Volume 28

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1. ***Edward Adolph Distinguished Lecture: Bente Karlund Pedersen, M.D., DMSc.-
“Skeletal Muscle as an Endocrine Organ”***



The 2009 Adolph lecturer is: Bente Karlund Pedersen, Professor of Integrative Medicine, Director of Centre of Inflammation and Metabolism (CIM) Department of Infectious Diseases, University of Copenhagen, Faculty of Health Sciences, Copenhagen Denmark.

2. ***EEP Honor Award: Frank W. Booth, Ph.D.***



The 2009 EEP Honor Award winner is: Frank W. Booth, Professor, Departments of Biomedical Sciences, Medical Pharmacology and Physiology, Dalton Cardiovascular Center, University of Missouri at Columbia.

3. ***EB09 Early Program – Plan of Attending!***

The 2009 American Physiological Society / Experimental Biology Meeting is from April 18-22 in New Orleans, LA. Below is a preview of some exciting scientific sessions of interest to EEP members.

Sunday, April 19

- Skeletal Muscle as an Endocrine Organ (Adolph Lecture) – Pedersen
- Muscle Fatigue Featured Topic - Renaud
- History of Human Thermoregulation Featured Topic - Ryan
- Preconditioning & Acquired Tolerance for Protection from Exertional, Environmental & Traumatic Injury Featured Topic - Leon
- New Functions of Dorsomedial Hypothalamus Thermoregulation & Beyond Symposium – Romanovsky / Morrison
- Insights into Oxygen Sensing Symposium
- Ventilatory Control Disorders Symposium

Monday, April 20

- Genetics of Adaptation to Exercise Featured Topic – Bouchard / Olfert
- Erythrocytes & Endocrine Signaling Symposium – Sprague / Ellsworth
- Metabolic Signaling Featured Topic –
- Thermoregulation in Extreme Environments Featured Topic – Noren
- Fibrosis: Signaling Physiology & Therapies Symposium – Pitts / Plato
- Leptin: From Bench to Clinical Applications Symposium - Mantzoros

Tuesday, April 21

- Exercise-Induced Signals to Phenotype Adaptation in Skeletal Muscle Symposium – Hood
- Hypoxia & Stem Cells Symposium – Chandel / Simon
- Cardiovascular & Metabolic Actions of Leptin: Consequences in Obesity Symposium – Mark / Casis
- Cytoprotective Mechanisms & Regulation of Mitochondrial Permeability Transition Symposium – Cammarata / Baines

Wednesday, April 22

- Understanding Cross-Talk Between Skeletal Muscle & Adipocyte in Obesity Symposium - Kslacy / Nosek
- Emerging Role of MicroRNAs in Skeletal Muscle Biology – Andrade / McCarthy
- Environmental Stress Responses: Cellular, Molecular & Genetic Mechanisms Featured Topic - Choe
- Novel Insights into Nitric Oxide Signaling Symposium – Stamler / Calvert
- Time Domains of Hypoxic Ventilatory Responses Featured Topic - Powell
- Intermittent Hypoxia on Metabolism, Vascular Dysfunction & Atherosclerosis Featured Topic – O'Donnell / Polotsky
- Neuroplasticity of Autonomic Behavior in Health & Disease Featured Topic – Machado / Prahakar

4. Nominate EEP Councillors and APS Councillors / President:

Terms will end for one EEP Councillor for Environmental Physiology and one EEP Councillor for Exercise Physiology. ***Provide names and Resumes of EEP Councillor Nominations to***

Mike Sawka. APS Councillors / President APS is currently accepting nominations (until September 8, 2009) for the office of President-elect and APS Councillor. Please go to:

http://www.the-aps.org/cgi-bin/Election/Nomination_form.htm

5. Revised Statement of Organization & Procedures

EEP has not revised its Statement of Organization and Procedures since 1998. The revised reflects changes within APS and EEP that have occurred over the past 10 years, as requested by the APS. The old EEP Statement of Organization & Procedures can be found at the APS website. **Please review the Draft revision and provide Mike Sawka your comments.** The revised EEP Statement will be voted (electronic) upon by EEP membership this fall.

ENVIRONMENTAL AND EXERCISE PHYSIOLOGY SECTION

Statement of Organization and Procedures

(Approved by Council in April 1997, Amended July 1989, April 1995, August 1998, October 2008)

ARTICLE I: The name of this organization is the

ENVIRONMENTAL AND EXERCISE PHYSIOLOGY SECTION (EEP) OF THE AMERICAN PHYSIOLOGICAL SOCIETY.

ARTICLE II: The purposes of this Section are to:

- Advise the Society on matters of interest to members of the Section;
- Assist the Society, through representation on the Joint Program Committee, in the organization of the scientific meeting of the Society;
- Nominate individuals for membership on Society Committees;
- Be receptive to all members of the Society expressing an interest in Section membership;
- Assist the Society through representation on the Joint Program Committee, in the organization of the scientific meetings;
- Assist the Society through representation on the Section Advisory Committee, to assist Council and long-range-planning;
- Provide the President-Elect of the Society with recommendations of and supporting materials for individuals to be nominated by the Society for awards and recognition;
- Advise the APS Publications Committee on the selection of Editors of the *Journal of Applied Physiology* as vacancies occur;
- Assist APS Education Committee on issues relevant to education in the fields of environmental and exercise physiology; and

- To recognize members who have made significant contributions to environmental, exercise, and thermal physiology, the affairs of the Section, and to the functions of the Society.

ARTICLE III: Membership

- Membership is open to any member of the Society (student, affiliate, regular, emeritus, or honorary) who wishes to become a member. Section membership is conferred upon application to the Executive Director of the Society;
- Voting members are those regular APS members, in good standing, who hold primary affiliation with the Section.

ARTICLE IV: Officers

SECTION 1: Steering Committee Members

The Steering Committee is responsible for the management and supervision of the affairs of the Section. Steering Committee Members will hold primary affiliation with the Section. The Steering Committee will consist of 12 members, seven elected and five appointed members. The elected members will include the Section Chair, and six Councillors representing the areas of environmental, exercise, and thermal physiology. The five appointed members, all appointed by the Section Chair (in consultation with Nomination Committee), include the Program Committee Chair, Committee-on-Committee representative, Liaison with Industry representative, International representative and Trainee Advisory Committee representative. The immediate Past Chair will serve on the Steering Committee for one year to help facilitate the transition process. All 12 elected and nominated members have full voting privileges and are expected to fully participate. In addition to the 12 primary members, the Editor of the Journal of Applied Physiology will serve as an ex-officio member.

The Chair of the Steering Committee will be the Section representative to the APS Section Advisory Committee (SAC). The Chair of the Program Committee will be the Section representative to the APS Joint Program Committee (JPC). The Section Chair will be the representative to the Section Nominations Committee.

It will be the responsibility of the Section Chair and Nominations Committee to insure that these three areas of physiology (environmental, exercise and thermal) are represented on the Steering Committee and that the number of Councillors/area reflects the interests of the membership. Three Councillors and a Chair attending either a Section Steering Committee or a Section Program Committee will constitute a quorum. It will be the responsibility of the respective Chairs to schedule one or more meetings a year to address these functions of the Section.

SECTION 2: Steering Committee, Program Committee, and Nominating Committee Responsibilities

The Steering Committee is responsible for the governance of the Section and selection of individuals to receive Section awards or to be candidates for office. Steering Committee members, both elected and appointed, will normally serve a three-year term. Terms are to be staggered so that two Councillors, each from a different area, are elected each year. In the event the term of a Councillor is not completed, the Chair will appoint a replacement from the same area of physiology after consultation with the Nominations Committee. One year before the expiration of the term of the Section Chair, a new Chair will be elected and serve as Chair-Elect. The Program Committee consists of nine members that include the Program Committee Chair, the six elected Councillors, the International representative and the Trainee Advisory Committee representative. It will be the responsibility of this committee to develop the scientific program of the Section for the annual Experimental Biology meeting. One year before the expiration of the term of the Program Chair, a new Chair will be appointed. The Advisory / Nominations Committee will have the responsibility of recommending to the Section Chair qualified candidates with previous or current service on the Section Program Committee.

The Advisory / Nominations Committee will consist of current and at least two former chairs. It will be their responsibility to recommend to the Steering Committee the names of eligible candidates for the Adolph Lecture, Honor Award, Chair of the Steering Committee, Chair of the Program Committee, the Councillor's positions, and the positions with unfulfilled terms. The Advisory / Nominations Committee will receive nominations from the membership and the members of the Steering Committee before submitting their recommendations. To be eligible for Section Chair positions, candidates must have previous or current service on the Steering and Program Committees.

The Section Chair shall call and conduct meetings of the Steering Committee and supervise the election process in coordination with the Secretary-Treasurer. The Section Chair is authorized to appoint additional Sub-Committees that are necessary for the proper functioning of the Section.

The Secretary-Treasurer shall keep minutes of Steering Committee meetings and those of the Section Business Meeting. It will be his/her responsibility to maintain, prepare (with Section Chair) and distribute a Section newsletter, and maintain fiscal records. The Section Chair will appoint a Steering Committee member to serve as Secretary-Treasurer.

SECTION 3: Election of Officers and Terms of Office

The terms of office shall be for three years. In unusual circumstances these terms can be extended by one year for the Chairs of the Steering Committee and the Section Program Committee provided they are currently serving on the Steering Committee and have received majority endorsement by the Steering Committee before the expiration of their respective terms.

The terms of office for all members of the Steering Committee shall begin or end at the annual Spring meeting of the Society.

SECTION 4: Elections

Nominations for a) membership on the Steering Committee, b) Adolph Lecturer, c) EEP Honor Award, and d) for APS leadership positions will be made annually in the Newsletter and in the electronic mail distributed by the Section. It will be the responsibility of the Advisory / Nominations Committee and the Secretary-Treasurer to coordinate these activities.

Elections will be by electronic balloting coordinated by the Membership Service Department of the Society. All elections will occur prior to annual Spring meeting of the Society with the results being announced at the Business Meeting of the Section.

ARTICLE V: Dues will not be assessed

ARTICLE VI: Amendments and Quorums

SECTION 1: Amendments

Amendments to these procedures must be proposed in writing or electronically (e.g., email) to the Steering Committee by at least five regular Section members at any time up to four months in advance of the Spring meeting of the section. Such proposed amendments should be endorsed by the Advisory / Nomination Committee, Steering Committee and then voted on by the membership.

SECTION 2: Quorum

For adaptation, amendments to these procedures must be approved by 2/3 quorum (at least 25 members voting) either at the annual meeting or by electronic ballot.

ARTICLE VII: Awards

Awards will be made as financial and other circumstances permit in order to recognize members who have made significant contributions to the Section, the American Physiological Society, and to the disciplines of environmental, exercise, and thermal physiology. When appropriate, recognition will be given to graduate students, post-doctoral fellows, and to distinguished researchers. Nominations will be announced in the newsletter and within the electronic media while the responses will be coordinated by the Nominations Committee of the Section.

6. EEP - News Update



Mike Sawka, EEP Chair

Integrative Biology of Exercise Meeting will be September 24-27, 2008 in Hilton Head, South Carolina. This intersociety meeting between American Physiological Society and American College of Sports Medicine has an outstanding program. The program will focus on recent important advances in the traditional areas of interest in exercise (e.g. metabolic control, cell signaling, satellite/stem cells biology, hypertrophy, vascular adaptations) as well as significant new developments in emerging areas that have great relevance to investigators interested in exercise (e.g. mechanical signal transduction, AMPK, cytokines). This meeting will attract scientists from all over the world who are involved in the broad area of exercise physiology. Plan on attending!

EEP is Healthy & Growing: EEP total membership has increased from 1,545 (March 07) to 1,724 (March 08). ***We challenge EEP members to encourage colleagues to join APS and our section.***

EEP financial resources have improved considerably during this past year. We challenge EEP members to suggest mechanisms to increase our financial sponsorship from corporate & other partners. ***If you have any suggestions to expand EEP financial resources contact Lisa Leon & Nisha Charkoudian who are forming an EEP Financial Resource Task Force.***

Expanded EB10 Program? The Section Advisory Committee (SAC) met and recommended to APS Council several changes regarding program allocation starting EB10. If SAC recommendations are approved, EEP will increase its Symposium / Featured Topic allocation by 2 slots. Symposium / Featured Topic allocation adjustments had not been made since 1998. The reallocation was based on abstract submissions to Section Topic categories during the past few years. SAC recommended that EB Symposium / Featured topic allocations be reviewed every three years,

EEP Topic Categories: **It is important that EEP members submit abstracts to EEP Topic categories.** The topic categories can be adjusted each year in response to section interests. Suggestions for new or revised EEP Topic Categories should be provided to Craig Crandall.

7. Journal of Applied Physiology – News Update



Jerry Dempsey, Editor-In-Chief

Thank you for the opportunity to bring you up to date on the *Journal of Applied Physiology*. Our Point: Counterpoint series continues on an almost monthly basis. Many of the topics deal with environmental and/or exercise physiology and many of the authors are EEP members. Nevertheless we need your ideas for future Point: Counterpoints in the *Journal of Applied Physiology*. Please let us know what you think is a worthwhile, controversial problem and which authors might contribute to the debate. We will take it from there. I especially encourage beginning investigators to participate in these debates – either as a main author or as an author of a brief commentary (see <http://www.the-aps.org/publications/specialcalls/jappl-pecp-instructions.htm>).

We also have initiated a new manuscript type entitled “Viewpoint.” The idea is to have fresh perspectives presented to the readership and in turn invite the readers to comment. So, dust off one of your favorite concepts that you have been developing over the years and send it along for peer review (see <http://www.the-aps.org/publications/specialcalls/jappl.htm#suggestions>).

Please note that the *Journal of Applied Physiology* (ISI-generated) 2007 Impact Factor is now 3.632, which represents the citations in 2007 to manuscripts published in 2005 & 2006. This represents the first substantial increase in the *Journal of Applied Physiology* impact factor since 2003. The *Journal of Applied Physiology* IF varied between 2.824 and 3.178 from 2003-2006; this 14% increase in 2007 for *Journal of Applied Physiology* is the largest among all APS journals (and many other Physiology journals as well). We hasten to add that despite this improvement in our IF and the importance attributed to the IF by many academic and grant-governing institutions, there are many serious problems with this index - both as a measure of journal quality and certainly of the quality of science published by individual investigators. Nevertheless, we believe this increase in the Impact Factor is just one index of the significant increase in the quality of physiologic findings published in the *Journal of Applied Physiology* over the past few years.

The *Journal of Applied Physiology* continues to align closely with the EEP leadership and its members. We look forward to continuing and strengthening this relationship. Send us your ideas and your manuscripts.

8. Welcome New EEP Members

Student members: Natalie Chapados, Roslyn Clapperton, Andrew Cochran, Tiffany Collinsworth, Jonathan Cook, Summer Cook, Anita Cote, Dan Curtis, Phillip Dobbs, Mario Espada, Tim Etheridge, Chris Fry, Erin Glynn, David Hamilton, Erik Hayes, Melissa Hayman,

Seth Jump, Elaine Lees, Jacqueline Limberg, Lori Lyman, Efa Omorodion-Osagie, George Panzak, Larry Spears, Kevin Urban, Joao Veloso, Tracey Woodlief,

9. Know Your Steering Committee

The following were elected to serve your interests. If you have any program or other ideas / concerns regarding APS and EEP issues please do not hesitate to contact the following:

Chair: - Mike Sawka - michael.sawka@us.army.mil

Joint Program Committee Representative – Craig Crandall craig.crandall@utsouthwestern.edu

Exercise Physiology Councilor - Peter Farrell - FARRELLP@ecu.edu

Exercise Physiology Councilor - Scott William Trappe - strappe@bsu.edu

Environmental Physiology Councilor - Vincent Caiozzo - vjcaiozz@uci.edu

Environmental Physiology Councilor - Robert Roach - Robert.Roach@uchsc.edu

Thermal Physiology Councilor - Samuel N. Cheuvront - Samuel.cheuvront@us.army.mil

Thermal Physiology Councilor - Nisha Charkoudian - charkoudian.nisha@mayo.edu

Committee-on- Committees Representative - Mike Hogan - mchogan@ucsd.edu

Trainee Advisory Representative - Lacy M.A. Holowatz - lma191@psu.edu

International Committee Representative – Hiroshi Nose - nosehir@sch.md.shinshu-u.ac.jp

Liaison with Industry – Karen Mittleman - Karen.Mittleman@sanofi-aventis.com