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CALL FOR NOMINATIONS

for the Editorship of

*Physiological Genomics*

Nominations are invited for the Editorship of the *Physiological Genomics* to succeed A. W. Cowley, Jr., who will complete his term as Editor on June 30, 2009. The Publications Committee plans to interview candidates in the Fall of 2008.

Applications should be received before **August 15, 2008**.

Nominations, accompanied by a curriculum vitae, should be sent to the Chair of the Publications Committee:

Kim E. Barrett, Ph.D.
9650 Rockville Pike
Bethesda, MD 20814-3991

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CALL FOR NOMINATIONS

for the Editorship of

*American Journal of Physiology-Gastrointestinal and Liver Physiology*

Nominations are invited for the Editorship of the *American Journal of Physiology-Gastrointestinal and Liver Physiology* to succeed M. Montrose, who will complete his term as Editor on June 30, 2009. The Publications Committee plans to interview candidates in the Fall of 2008.

Applications should be received before **August 15, 2008**.

Nominations, accompanied by a curriculum vitae, should be sent to the Chair of the Publications Committee:

Kim E. Barrett, Ph.D.
9650 Rockville Pike
Bethesda, MD 20814-3991
Call for Papers

American Journal of Physiology-Regulatory, Integrative and Comparative Physiology

Neural Integration of Peripheral Signals Implicated in the Control of Energy Homeostasis and Metabolism

The American Journal of Physiology-Regulatory, Integrative and Comparative Physiology is soliciting submission of original manuscripts addressing the physiological and molecular mechanisms implicated in neural control of energy homeostasis and metabolism. This call for papers is in recognition of advances in our understanding of the way in which neural, hormonal, and metabolic signals from the periphery are sensed and integrated by specialized collections of neurons within the brain as a means of monitoring and controlling energy homeostasis and metabolic processes. Appropriate topics include the interactions between central regulatory systems and the production, sensing, and signaling of hormones such as leptin, insulin, and ghrelin, peptides such as CCK, PYY, and amylin, which signal through peripheral neural pathways such as the vagus, and the basic mechanisms that allow specialized peripheral and central sensors to respond to metabolic signals such as glucose, fatty acids, and ketone bodies. Papers dealing with aberrant function of these systems in obesity, diabetes, and other metabolic or neuroendocrine disorders are particularly encouraged, as are those dealing with the impact of sexual dimorphism, stress, exercise, age, and other physiological variables on these control mechanisms. This call for manuscripts includes cellular/molecular, biochemical, integrative, comparative, and translational studies.

Responding authors should indicate in their cover letter that the submitted manuscript is in response to this call for papers. The manuscript will undergo normal peer review. If published, the article will be highlighted together in print with other papers appearing in response to this call. Papers will be published online immediately upon acceptance.

The submission deadline for this topic is June 30, 2008. If you have any questions or already have a manuscript in this area submitted to the American Journal of Physiology—Regulatory, Integrative and Comparative Physiology and would like to have it included in this series, please contact the Editor-in-Chief, Dr. Curt D. Sigmund (phone: 319-384-2857; e-mail: ajp-regulatory@uiowa.edu).
CALL FOR PROPOSALS

The editors of AJP: Regulatory, Integrative and Comparative Physiology are soliciting this “Call for Proposals” for Review Articles in Integrative Physiology. Reviews provide synthesis of state-of-the-art knowledge in a defined area highlighting new questions and pointing to future research directions. They encompass examination of biological processes, systems, and models, and technologies for their study. The primary purpose is to educate readers by providing a comprehensive view of completed works presented in a concise, unified format; however, appropriate inclusion of unpublished data is permissible. Utilization of figures is encouraged. All reviews, invited or otherwise are invited and are all peer-reviewed.

We are requesting presubmission inquiries and a letter of intent. Interested individuals should include (in a single PDF file): 1) a tentative title and abstract outlining the review and its significance, 2) citations of previous reviews on the same topic, 3) a list of publications from the past 5 years by the senior author, 4) a short list of potential peer reviewers, and 5) a brief letter of intent indicating your expertise, names of coauthors, and potential submission deadline. The due date for inquiries is the 1st day of each month with the call terminating on December 1, 2008.

E-mail material (in a single PDF file) to ajp-regulatory@uiowa.edu. The editors of the journal will review each proposal and the most meritorious will be invited to submit a Review Article. Those chosen will be deemed to be highly significant, timely, and of broad interest to the readers of the journal. All submissions will be rigorously peer reviewed, and, therefore, an invitation to submit is not a guarantee of publication.
American Journal of Physiology-
Regulatory, Integrative and Comparative Physiology

Scope of Journal
The American Journal of Physiology-Regulatory, Integrative and Comparative Physiology publishes original investigations that illuminate normal or abnormal regulation and integration of physiological mechanisms at all levels of biological organization, ranging from molecules to humans, including clinical investigations. Major areas of emphasis include:

- appetite, obesity, digestion, and metabolism
- genetically modified animals and model organisms
- inflammation and cytokines
- renal hemodynamics and cardiorenal integration
- neurohumoral control of cardiovascular function
- developmental physiology and pregnancy
- environmental, exercise and respiratory physiology
- comparative and evolutionary physiology
- sleep and temperature regulation
- water and electrolyte homeostasis

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A Few HOT Articles
“Drink at least eight glasses of water a day.” Really? Is there scientific evidence for “8 x 8”?
Heinz Valtin
Nov 01, 2002; 283: 993-1004

Biochemistry of exercise-induced metabolic acidosis
Robert A. Roberga, Farzehan Ghasavand, Daryl Parker
Sep 01, 2004; 287: 502-516

Maternal and fetal adaptations during pregnancy: lessons in regulatory and integrative physiology
Joey P. Granger
Dec 01, 2002; 283: 1289-1292

An integrated view of oxidative stress in aging: basic mechanisms, functional effects, and pathological considerations
Kevin C. Kregel, Hannah J. Zhang
Jan 01, 2007; 292: 18-36

Photic phase response curve in Octodon degus: assessment as a function of activity phase preference
Martien J. H. Kas, Dale M. Edgar
May 01, 2000; 278: 1385-1389

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The Integrative Biology of Exercise - V
September 24 - 27, 2008, Hilton Head, South Carolina

DEADLINES:
Abstract Deadline: June 2, 2008
Advance Registration Deadline: August 25, 2008

2008 APS Intersociety Meeting
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Preliminary Program
Regulation of Peripheral Vascular Resistance
Chair: Steven S. Segal

Control of Ribosomal Biogenesis in Muscle Hypertrophy
Chair: Gregory Adams

Muscle as an Endocrine Organ: Intertissue Influences
Chair: Bente K. Pedersen

Somatic and Sympathetic Neural Control During Exercise
Chair: Gail D. Thomas

Comparative Exercise Physiology: Linking Animal Locomotion To Human Performance
Chair: Peter J. Reiser

Reactive Oxygen Species: Consequences On Cellular Metabolism
Chair: P. Darrell Neuffer

Remodeling of the Extracellular Matrix of Tendon and Skeletal Muscle in Response To Exercise
Chair: Benjamin F. Miller

Signaling Mechanisms Regulating Metabolic and Transcription Processes In Skeletal Muscle
Chair: Eva Chin

Roles of Biomechanical Signaling In Cardiac and Skeletal Muscle
Chair: Tara Haas

Role of Inflammation in Healthy, Diseased and Aged Muscle
Chair: James Tidball
Co-Chair: Robert W. Grange

Sarcolemmal, T-Tubule and Intracellular Determinants of Contractile Function In Skeletal Muscle
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