Call for Papers

American Journal of Physiology-Regulatory, Integrative and Comparative Physiology

Control Mechanisms of Renin Synthesis and Release: A 21st Century Perspective

The American Journal of Physiology-Regulatory, Integrative and Comparative Physiology is soliciting the submission of original manuscripts in the field regarding the control mechanisms of renin synthesis and release. This call for papers reflects issues surrounding the renin-angiotensin system (RAS). RAS plays a pivotal role for a variety of cardiovascular functions. The diversity of renin actions is reflected by its complex control.

The 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 with other studies appearing in response to this call.

The submission deadline for this topic is December 31, 2007. 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 for this series, please contact Editor in Chief, Prof. Dr. Pontus B. Persson (+49 (0)30 450 528 172, e-mail: pontus.persson@charite.de).
Call for Papers
American Journal of Physiology-Regulatory, Integrative and Comparative Physiology

Insulin Resistance and the Cardiometabolic Syndrome: Adipose Tissue and Skeletal Muscle Factors

The American Journal of Physiology-Regulatory, Integrative and Comparative Physiology is soliciting the submission of original manuscripts addressing the physiological and molecular mechanisms accounting for impaired skeletal muscle and adipose tissue responses to insulin. This call for papers is in recognition of the fundamental role of skeletal muscle and adipose tissue in the metabolic dysregulation associated with obesity and physical inactivity and its contribution to type 2 diabetes mellitus and the cardiometabolic syndrome. Papers addressing the role of adipose tissue expansion and distribution, including intramuscular lipid accumulation, altered inflammatory cytokine pathways, increased renin-angiotensin system activity, and oxidative stress are sought. In addition, papers exploring altered skeletal muscle and adipose tissue metabolic flexibility, mitochondrial oxidative capacity, and substrate utilization in insulin-resistant states, particularly those associated with obesity and physical inactivity, are welcome. This call for manuscripts is understood to include both basic and translational studies.

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Call for Papers

American Journal of Physiology-Regulatory, Integrative and Comparative Physiology

Physiological and Molecular Mechanisms Implicated in the Neural Control of Circulation

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 circulation. This call for papers is in recognition of advances in understanding of neural mechanisms involved in short- and long-term control of blood pressure and cardiovascular function. Appropriate topics include the role of central and systemic autonomic mechanisms, brain renin-angiotensin-aldosterone systems, neuroendocrine mediators, and actions of reactive oxygen species and nitric oxide in the central nervous system in blood pressure control. In addition, papers addressing the role of neural mechanisms relating risk (obesity, stress) and protective factors (sexual dimorphism, exercise) to cardiovascular disorders are also highly relevant. This call for manuscripts is understood to include cellular/molecular, integrative, 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 February 1, 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 NOMINATIONS
for the Editorship of
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Nominations are invited for the Editorship of Physiological Reviews to succeed S. L. Hamilton, who will complete her term as Editor on December 31, 2008. The Publications Committee plans to interview candidates in the Spring of 2008.

Applications should be received before February 15, 2008.

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

Kim E. Barrett, Ph.D.
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