American Journal of Physiology - Endocrinology and Metabolism

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Scope of Journal
The American Journal of Physiology - Endocrinology and Metabolism publishes original, mechanistic studies on the physiology of endocrine and metabolic systems. Molecular, subcellular, and cellular studies in whole animals or humans will be considered. Specific themes include, but are not limited to, mechanisms of hormone and growth factor action; regulation of metabolism and energy balance; integrative organ cross talk; paracrine and autocrine control of endocrine cell performance; function and activation of hormone receptors; endocrine or metabolic control of channels, transporters and membrane function; differentiation of endocrine and reproductive cell function; temporal analysis of hormone secretion and metabolism; and mathematical/kinetic modeling and analysis of hormone action or metabolism. Novel molecular, immunological, or biophysical studies of hormone action are also welcome.

Authors are required to submit papers online at www.apscentral.org.

Editor’s Selected Articles
Cardiomyocyte lipids impair β-adrenergic receptor function via PKC activation
Konstantinos Drosatos, Kalyani G. Bharadwaj, Anastasios Lymeropoulos, Shiota Ikeda, Raffay Khan, Yunying Hu, Rajiv Agarwal, Shuang Yu, Hongfeng Jiang, Susan F. Steinberg, William S. Blaner, Walter J. Koch, and Ira J. Goldberg

Follistatin-derived peptide expression in muscle decreases adipose tissue mass and prevents hepatic steatosis
Masashi Nakatani, Masahiro Kokubo, Yutaka Ohsawa, Yoshindie Sunada, and Kunihiro Tsuchida

Simvastatin represses protein synthesis in the muscle-derived C2C12 cell line with a concomitant reduction in eukaryotic initiation factor 2B expression

Insulin signaling in retinal neurons is regulated within cholesterol-enriched membrane microdomains
Todd E. Fox, Megan M. Young, Michelle M. Pedersen, Sarah Giambuzzi-Tussey, Mark Kester, and Thomas W. Gardner

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Authors have the option to pay a fee on top of regular author fees and have their articles publicly available upon publication.
Meetings & Conferences
of the American Physiological Society

2011 APS Conference:
7th International Symposium on Aldosterone and the ENaC/Degenerin Family of Ion Channels: Molecular Mechanisms and Pathophysiology
September 18-22, 2011 • Asilomar Conference Grounds, Pacific Grove, California

2011 APS Conference:
Physiology of Cardiovascular Disease: Gender Disparities
October 12-14, 2011 • University of Mississippi Medical Center, Jackson, Mississippi

Experimental Biology 2012
April 21-25, 2012 • San Diego, California

2012 APS Conference:
Autonomic Regulation of Cardiovascular Function in Health and Disease
Summer 2012 • Omaha, Nebraska

2012 APS Intersociety Meeting:
The Integrative Biology of Exercise VI
October 10-13, 2012 • Westin Westminster Hotel, Westminster, Colorado
IN NEXT ISSUE

CIGARETTE SMOKE AND LUNG DISEASE
Cigarette smoke exposure aggravates airspace enlargement and alveolar cell apoptosis in Smad3 knockout mice
Laszlo Farkas, Daniela Farkas, David Warburton, Jack Gauldie, Wei Shi, Martin R. Stampfl, Norbert F. Voelkel, and Martin R. J. Kolb

ACUTE LUNG INJURY
Hydrogen therapy attenuates irradiation-induced lung damage by reducing oxidative stress
Yasuhiro Terasaki, Ikuroh Ohsawa, Mika Terasaki, Mikiko Takahashi, Shinobu Kanugi, Kang Dedong, Hirokazu Urushiyama, Shunsuke Amenomori, Mayuko Kaneko-Togashi, Naomi Kawaihara, Arimi Ishikawa, Naoki Kaminura, Shigeyi Ohta, and Yuh Fukuda
Inflammation and matrix remodeling during repair of ventilator-induced lung injury

ALVEOLAR EPITHELIAL FLUID TRANSPORT
Enhancement of alveolar epithelial sodium channel activity with decreased cystic fibrosis transmembrane conductance regulator expression in mouse lung
Ahmed Lazrak, Asta Jurkuvenaite, Lan Chen, Kim M. Keeling, James F. Collawn, David M. Bedwell, and Sadis Matalon

CYSTIC FIBROSIS
Activation of MMP-9 by human lung epithelial cells in response to cystic fibrosis associated pathogen Burkholderia cenocepacia reduced wound healing in vitro
Ciara Wright, Ruth Pilkington, Máire Callaghan, and Siobhán McClean
Regulatory domain phosphorylation to distinguish the mechanistic basis underlying acute CFTR modulators
Louise C. Pyle, Annette Ehrhardt, Lisa High Mitchell, LiJuan Fan, Aixia Ren, Anjaparavanda P. Naren, Yao Li, J. P. Clancy, Graeme B. Bolger, Eric J. Sorscher, and Steven Mark Rowe
Cystic fibrosis and the relationship between mucin and chloride secretion by cultures of human airway gland mucous cells
Walter E. Finkbeiner, Lorna T. Zlock, Masatoshi Morikawa, Anna Y. Lao, Vijay Dasari, and Jonathan H. Widdicombe

LUNG DEVELOPMENT
The oncogene Trop2 regulates fetal lung cell proliferation
Annie R. A. McDougall, Stuart B. Hooper, Valerie A Zahra, Foula Sozo, Camden Y. Lo, Timothy James Cole, Timothy Doran, and Megan J. Wallace

LUNG FIBROSIS
Age and gender dimorphisms contribute to the severity of bleomycin-induced lung injury and fibrosis
Elizabeth F. Redente, Kristen M. Jacobsen, Joshua J. Solomon, Abigail R. Lara, Sarah Faubel, Rebecca C. Keith, Peter M. Henson, Gregory P. Downey, and David W. H. Riches

LUNG INFECTION
Role of the Fas/FasL system in a model of RSV infection in mechanically ventilated mice
Elske van den Berg, Job B. M. van Woensel, Albert P. Bos, Reinout Alexander Bem, William A. Altemeier, Sean E. Gill, Thomas R. Martin, and Gustavo Matute-Bello

LUNG INFLAMMATION
Differential flux of macrophage inflammatory protein-2 and cytokine-induced neutrophil chemoattractant from the lung after intrapulmonary delivery