A Journal of The American Physiological Society

American Journal of Physiology-Heart and Circulatory Physiology

Scope of Journal
The American Journal of Physiology-Heart and Circulatory Physiology brings you the most distinguished reporting of leading-edge findings in the field.

AJP-Heart and Circulatory Physiology covers all areas of the cardiovascular physiology, including:

- experimental and theoretical studies of cardiovascular function from the whole organism to cellular, subcellular, and molecular levels
- critical new insights into the mechanisms that determine the performance of the normal and abnormal heart and circulation
- timely editorial reviews

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

A Few HOT Articles

- Biology of bone marrow-derived endothelial cell precursors
  Gina C. Schattelman, Martine Dunnwald, Chunhua Jiao

- Antiatherogenic potential of red wine: clinician update
  Paul E. Szmitko, Subodh Verma
  Am. J. Physiol. Heart Circ. Physiol. May 01, 2005; 288: 2023-2030

- Endothelial dysfunction: a multifaceted disorder (The Wiggers Award Lecture)
  Michel Féletou, Paul M. Vanhoutte

- Regulation of a voltage-sensitive release mechanism by Ca2+-calmodulin-dependent kinase in cardiac myocytes
  Jiequan Zhu, Gregory R. Ferrier

- Physiological time-series analysis using approximate entropy and sample entropy
  Joshua S. Richman, J. Randall Moorman

Reader & Author Benefits

- Fully searchable text, including PubMed
- Rich color and sharp resolution of figures
- Editor’s Home Page at www.the-aps.org/publications/ajpheart
- FREE access to the extensive collection of back issues available online 12 months after publication
- FREE e-mail notification of new content as it becomes available
- Manuscripts online within days of acceptance
- Perpetual/Electronic Archiving of the LOCKSS and CLOCKSS systems preserves the electronic content of all APS journals.

Authors can choose to pay $2,000 on top of regular author fees and have their article made free immediately.

To Start your Subscription or Submit your Manuscript
E-mail: subscriptions@the-aps.org, Call 301-634-7180, Fax 301-634-7418, or mail to The American Physiological Society, 9650 Rockville Pike, Bethesda, MD 20814-3991 (USA)
Under the NIH Public Access Policy, NIH is asking its funded investigators to voluntarily submit to PubMed Central (PMC) the author's final manuscript of articles resulting from research supported in whole or in part with direct costs from NIH. According to the NIH, this policy applies only to manuscripts accepted for publication on or after May 2, 2005.

If you choose to submit your accepted manuscript to PMC, you will be asked to indicate when that manuscript should be made available to the public. As copyright holder of your article, the APS has the sole right to publish or disseminate it. However, the APS grants you permission to allow public release of your manuscript through PMC 12 months after publication in the print version of an APS journal.

This period of time is consistent with our existing policy to make all content publicly available through HighWire Press 12 months after print publication. NIH will be able to determine when 12 months have elapsed because APS sends NIH electronic feeds of the article metadata upon publication in a journal issue. Therefore, you can submit your accepted manuscript to PMC at the time of acceptance to an APS journal, and will not have to calculate or track time elapsed from publication.

NIH intends to use the PMC database of manuscripts for portfolio management; to create a permanent archive of articles based upon NIH-funded research; and to give the public access to research publications. In announcing this policy, NIH officials underscored that it is voluntary and there will be no sanctions of any kind against authors who do not submit their manuscripts. If you have any questions with respect to the NIH Public Access Policy and the publication of your article in an APS journal, please contact Margaret Reich at mreich@the-aps.org.
CALL FOR PAPERS

Sex Steroids and Gender in Cardiovascular-Renal Physiology and Pathophysiology

Deadline for Submission: October 31, 2007

The American Journal of Physiology-Heart and Circulatory Physiology is soliciting submission of original research papers on Sex Steroids and Gender in Cardiovascular-Renal Physiology and Pathophysiology, the roles that both male and female sex steroids and gender play in mediating or protecting against cardiovascular-renal disease and hypertension are controversial. In the past, androgens have been thought to promote cardiovascular and renal disease since men experience myocardial dysfunction and hypertension at an earlier age than women and progress to end stage renal failure at a more rapid rate than women, even for similar blood pressures. In contrast, estrogens have been thought to be cardiovascular protective. However, with the latest studies showing the lack of cardiovascular protection from hormone replacement therapy in postmenopausal women (the HERS and WHI clinical trials), the promotion of inflammatory processes by estrogens, the reduction in androgen levels in chronic disease states and the protection against inflammation by androgens, it is obvious previous concepts regarding the role sex steroids play in cardiovascular and renal physiology and pathophysiology need to be re-examined. Authors are especially encouraged to submit papers addressing the role of sex steroids in oxidative and nitrosative stress, endothelial function and dysfunction, impaired cardiac performance, inflammatory mechanisms, target organ damage, metabolic syndrome, hypertension, and diabetes.

It is requested that contributions be submitted by October 31, 2007; for authors who submit by this date, every effort will be made to obtain reviews within two weeks of submission. Responding authors should indicate in their cover letters that the submitted manuscript is in response to this Call for Papers. If published, the article will be highlighted together with other articles appearing in response to this Call. Guidelines for authors can be found on the AJP Heart and Circulatory Physiology website. If you have any questions related to this Call, please, contact Patricia A. Meravy, Managing Editor (Tel: 914-594-4938; E-mail: patricia_meravy@nymc.edu), or Dr. Alberto Nasjletti, Editor-in-Chief (Tel: 914-594-4137; E-mail: alberto_nasjletti@nymc.edu).
The American Physiological Society
Professional Skills Training Courses

Writing & Reviewing for Scientific Journals
and
Making Scientific Presentations: Critical First Skills

January 17-20, 2008
Disney’s Contemporary Resort, Orlando, FL

Application and Payment Deadline: October 1, 2007

Writing & Reviewing for Scientific Journals

Content Focus for 2008:
Cardiovascular, Exercise,
Neurophysiology, Renal,
Water & Electrolyte Physiology

Who can apply...?
New authors with draft manuscripts

Do you want to...?
- Improve your skills at writing and submitting manuscripts?
- Learn how to better respond to reviewer criticisms?
- Know how to select a journal for submission?
- Learn how to be a good reviewer?
- Discover how diversity issues may influence how you write and review manuscripts?
- Learn about resources that can further develop your writing and reviewing skills?

Making Scientific Presentations: Critical First Skills

Content Focus for 2008:
All areas of physiology

Who can apply...?
New poster presentation authors

Do you want to...?
- Improve your skills at introducing yourself to colleagues, faculty members, chairs?
- Learn how to write a better meeting abstract?
- Know how to write a great poster?
- Learn what constitutes an effective poster design?
- Learn how to present your poster to different types of audiences?
- Discover how diversity issues may influence your presentation skills?
- Learn about resources that can further develop your presentation skills?

Cost: $700 Registration
(covers hotel, conference meals, meeting materials)
Transportation to and from Orlando

For more information, see:
The metamorphosis continues! Introducing MetaMorph® 7 imaging software from Molecular Devices. Combining the most flexible and powerful tools for image acquisition, processing, and analysis, MetaMorph 7 offers a complete solution for even the most demanding live-cell imaging needs. New in MetaMorph 7:

- **4-D Viewer/3-D Measurements**: Visualize multi-dimensional data sets and obtain 3-D measurements
- **Application Modules**: Accelerate image analysis with biology-specific modules for automated cell segmentation and quantitation
- **Scan Slide**: Automatically acquire, tile and stitch images of large samples
- **Live Replay**: Capture real-time events, including a user-defined buffer interval prior to each event

Need to add hardware to the equation? Ask your local MetaMorph representative about our custom-integrated imaging workstations or visit www.metamorph.com for more information.

Expect more. We’ll do our very best to exceed your expectations.