The American Physiological Society provides the full historical content of 13 research journals as one “online package” called the APS Journal Legacy Content. This content goes back to the very first issues of the American Journal of Physiology in 1898.

To commemorate this event, APS asked a group of expert authors to write essays on some of the most significant articles from the body of APS literature.

A Few Samples of the Classic Articles, listed below, have been singled out for essays written by eminent scientists with first-hand or personal experience in the field. All the essays and Classic Articles are free for viewing by all users at this web site: www.the-aps.org/publications/classics


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Special Call for Papers

American Journal of Physiology-Renal Physiology

Aldosterone and Epithelial Na⁺ Channels

The American Journal of Physiology-Renal Physiology is seeking manuscripts to be submitted specifically related to the biology of epithelial Na⁺ channels (ENaC) and the actions of the hormone aldosterone. This call for papers is in conjunction with the 6th International Symposium on Aldosterone and ENaC, which will be held on October 3–7, 2007. Submitted papers should address the central themes of ENaC, mineralocorticoid receptors and aldosterone signaling. Papers may focus on structure, regulation, involvement in normal and pathophysiological states, or therapeutic interventions.

All papers will receive expedited review. Authors should indicate in their letter to the editor and on the online submission form under “Manuscript Type” that the submitted manuscript is in response to a Special Call for Papers. Accepted manuscripts will be published under a distinct heading and will receive special attention and handling. Only those papers not requiring extensive revision will be published under this call.

The submission deadline is January 1, 2008. If you have any questions or currently have a manuscript on this topic that has already been submitted and would like to be included in the Special Call, please contact Dr. Thomas Kleyman, Editor-in-Chief, via e-mail at ajprenal@emory.edu.

Renal Hemodynamics: Biomolecular Control Mechanisms and Integration of Vascular and Tubular Function

The American Journal of Physiology-Renal Physiology is seeking manuscripts to be submitted specifically related to biomolecular control of renal hemodynamics and the integration of vascular and tubular function. This call for papers is in conjunction with the 2007 FASEB Summer Research Conference on Renal Hemodynamics held July 7–12, 2007, in Saxtons River, VT. Submitted papers should address the central themes of hormonal, neural or molecular control of renal hemodynamics, pathophysiology of renal hemodynamics, or integration of vascular and tubular function.

All papers will receive expedited review. Authors should indicate in their letter to the editor and in the online submission form under “Manuscript Type” that the submitted manuscript is in response to a Special Call for Papers. Accepted manuscripts will be published under a distinct heading and will receive special attention and handling. Only those papers not requiring extensive revision will be published under this call.

The deadline for submission is October 1, 2007. If you have any questions or currently have a manuscript on this topic that has already been submitted and would like it to be included in this Special Call, please contact Dr. Thomas Kleyman, Editor-in-Chief via e-mail at ajprenal@emory.edu.
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American Journal of Physiology-
Renal Physiology

Scope of Journal

The American Journal of Physiology-
Renal Physiology covers all areas of renal physiology, including:

- original, innovative research on the kidney, urinary tract, and their respective cells and vasculature
- thought-provoking investigations involving human and animal models, individual cell types, and isolated membrane systems
- cross-disciplinary papers on the pathophysiologic basis of disease processes in the kidney, the urinary tract, and in the regulation of body fluids
- timely editorial reviews

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

A Few HOT Articles

Vitamin D
Adriana S. Dusso, Alex J. Brown, Eduardo Slatopolsky

Advanced glycation end products and the kidney
Jürgen M. Bohlender, Sybille Franke, Günther Stein, Gunter Wolf

Structure and function of aquaporin water channels
A. S. Verkman, Alok K. Mitra

Tight junction biology and kidney dysfunction
David B. N. Lee, Edmund Huang, Harry J. Ward
Am. J. Physiol. Renal Physiol. Jan 01, 2006; 290: 20-34

New insights into the regulation of V-ATPase-dependent proton secretion
Sylvie Breton, Dennis Brown

Hypoxia-inducible factors in the kidney
Volker H. Haase

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