This Month’s Highlights
ASN News

UP FRONT MATTERS

Editorials
1 Therapy for Polycystic Kidney Disease? It’s Water, Stupid!
Jared J. Grantham
• See related article by Wang et al. (pp. 102–108).

2 Feast and Famine: Epidemiology and Clinical Trials in Chronic Kidney Disease
James E. Novak and Lynda A. Szczez
• See related article by Smith et al. (pp. 141–150).

4 Cardiovascular Disease, Chronic Kidney Disease, and Type 2 Diabetes Mellitus: Proceeding with Caution at a Dangerous Intersection
Takeshi Kanda, Shu Wakino, Koichi Hayashi, and Jorge Plutzky
• See related article by Schneider et al. (pp. 182–187).

Clinical Commentary
8 Recent Advances in the Prevention and Management of Intradialytic Hypotension
Biff F. Palmer and William L. Henrich

Brief Reviews
12 A New Look at Platelet-Derived Growth Factor in Renal Disease
Jürgen Floege, Frank Eitner, and Charles E. Alpers

24 How Do Mesangial and Endothelial Cells Form the Glomerular Tuft?
Michael Vaughan and Susan E. Quaggin

Pathophysiology of the Renal Biopsy
34 Fibrillary Glomerulonephritis and Immunotactoid Glomerulopathy
Charles E. Alpers and Jolanta Kowalewska

BASIC RESEARCH

39 ★ Inhibition of Hypoxia Inducible Factor Hydroxylases Protects Against Renal Ischemia-Reperfusion Injury
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47 A Switch in the Mechanism of Hypertension in the Syndrome of Apparent Mineralocorticoid Excess
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59 Activation of Adenosine 2A Receptors Preserves Structure and Function of Podocytes
Alaa S. Awad, Michael Rouse, Lixia Liu, Amy L. Vergis, Diane L. Rosin, Joel Linden, John R. Sedor, and Mark D. Okusa

69 Inward Rectifier K+ Currents and Kir2.1 Expression in Renal Afferent and Efferent Arterioles
Lisa Chilton, Kathy Loutzenhiser, Ezequiel Morales, Jennifer Breaks, Gary J. Kargacin, and Rodger Loutzenhiser

77 Anti-inflammatory Renoprotective Effect of Clopidogrel and Irbesartan in Chronic Renal Injury
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84 ★ Angiotensin II Activates H+-ATPase in Type A Intercalated Cells
Vladimír Pech, Wencui Zheng, Truyen D. Pham, Jill W. Verlander, and Susan M. Wall

Red star ★ indicates articles that are features in This Month’s Highlights.
DHEA Induces 11β-HSD2 by Acting on CCAAT/Enhancer-Binding Proteins
Zoltan Balazs, Roberto A.S. Schweizer, Felix J. Frey, Françoise Rohner-Jeanrenaud, and Alex Odermatt

Vasopressin Directly Regulates Cyst Growth in Polycystic Kidney Disease
Xiaofang Wang, Yanhong Wu, Christopher J. Ward, Peter C. Harris, and Vicente E. Torres
* See related editorial by Grantham et al. (pp. 1–2).

Calcium-sensing Receptor Attenuates AVP-induced Aquaporin-2 Expression via a Calmodulin-dependent Mechanism
Mauro Bustamante, Udo Hasler, Vé raline Leroy, Sophie de Seigneux, Mitko Dimitrov, David Mordasini, Martine Rousselot, Pierre-Yves Martin, and Eric Féralle

BMP Receptor ALK3 Controls Collecting System Development
Sunny Hartwig, Darren Bridgewater, Valeria Di Giovanni, Jason Cain, Yuji Mishina, and Norman D. Rosenblum

Hypokalemic Nephropathy is Associated with Impaired Angiogenesis

CLINICAL EPIDEMIOLOGY

Chronic Kidney Disease Increases Risk for Venous Thromboembolism
Keattiyoat Wattanakit, Mary Cushman, Catherine Stehman-Breen, Susan R. Heckbert, and Aaron R. Folsom

Renal Impairment Predicts Long-Term Mortality Risk after Acute Myocardial Infarction
Grace L. Smith, Frederick A. Masoudi, Michael G. Shlipak, Harlan M. Krumholz, and Chirag R. Parikh
* See related editorial by Novak and Szczech et al. (pp. 2–4).

CLINICAL RESEARCH

CLDN16 Genotype Predicts Renal Decline in Familial Hypomagnesemia with Hypercalciuria and Nephrocalcinosis

Effect of Pioglitazone on Cardiovascular Outcome in Diabetes and Chronic Kidney Disease
Christian A. Schneider, Ele Ferrannini, Ralph DeFronzo, Guntram Scherntanher, John Yates, and Erland Erdmann
* See related editorial by Kanda et al. (pp. 5–7).