This Month’s Highlights

UP FRONT MATTERS

Obituary

1651 Franklin H. Epstein: Reminiscences of a Brilliant Physician-Scientist and Master Clinician
John N. Forrest, Jr.

Editorials

1654 LAMPs and NETs in the Pathogenesis of ANCA Vasculitis
Xavier Bosch

1656 The Development of Urinary Biomarkers for Kidney Disease Is the Search for Our Renal Troponin
Lynda Anne Szczech
• See related articles by Paragas et al. (pp. 1687–1692) and Siew et al. (pp. 1823–1832).

1657 Does Idiopathic Hypercalciuria Trigger Calcium-Sensing Receptor–Mediated Protection from Urinary Supersaturation?
Elaine M. Worcester and Fredric L. Coe
• See related article by Renkema et al. (pp. 1705–1713).

1659 The SDF-1/CXCR4 Axis Is a Novel Driver of Vascular Development of the Glomerulus
Jürgen Floege, Bart Smeets, and Marcus J. Moeller
• See related article by Takabatake et al. (pp. 1714–1723).

1661 A Novel Role for Nephrin in the Maintenance of Glomerular Structure
Neil S. Sheerin
• See related article by Hussain et al. (pp. 1733–1743).

1663 Low Calcidiol Levels and Coronary Artery Calcification: True, True, and Related?
Michal L. Melamed and Ravi Thadhani
• See related article by de Boer et al. (pp. 1805–1812).

Clinical Commentary

1666 Is There Added Value to Adding ARB to ACE Inhibitors in the Management of CKD?
Debbie L. Cohen and Raymond R. Townsend

Brief Reviews

1669 The Role of Podocalyxin in Health and Disease
Julie S. Nielsen and Kelly M. McNagny

1677 Recently Discovered T Cell Subsets Cannot Keep Their Commitments
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Pathophysiology of the Renal Biopsy

1681 Nephrotic Syndrome Due to an Amyloidogenic Mutation in Fibrinogen A α Chain
Maria M. Picken and Reinhold P. Linke

BRIEF COMMUNICATION

1687 Urinary NGAL Marks Cystic Disease in HIV-Associated Nephropathy
• See related editorial by Szczech (pp. 1656–1657).

BASIC RESEARCH

1693 Parathyroid Hormone Activates TRPV5 via PKA-Dependent Phosphorylation
Theun de Groot, Kyupil Lee, Michiel Langeslag, Qi Xi, Kees Jalink, René J.M. Bindels, and Joost G.J. Hoenderop

Red star ★ indicates articles that are features in This Month’s Highlights.
The Calcium-Sensing Receptor Promotes Urinary Acidification to Prevent Nephrolithiasis
Kirsten Y. Renkema, Ana Velic, Henry B. Dijkman, Sjoerd Verkaart, Annemieke W. van der Kemp, Marta Nowik, Kim Timmermans, Alouc Doucet, Carsten A. Wagner, René J. Bindels, and Joost G. Hoenderop

See related editorial by Worcester and Coe (pp. 1657–1659).

The CXCL12 (SDF-1)/CXCR4 Axis Is Essential for the Development of Renal Vasculature

See related editorial by Floege et al. (pp. 1659–1661).

Connexin 30 Deficiency Impairs Renal Tubular ATP Release and Pressure Natriuresis
Arnold Sipos, Sarah L. Vargas, Ildikó Tomá, Fiona Hannier, Klaus Willecke, and János Peti-Peterdi

Nephrin Deficiency Activates NF-κB and Promotes Glomerular Injury
Sagair Hussain, Leile Romio, Moin Saleem, Peter Mathieson, Manuel Serrano, Jorge Moscat, Maria Díaz-Meco, Peter Scambler, and Ania Koziell

See related editorial by Sheerin (pp. 1661–1663).

Regulatory T Cells Suppress Innate Immunity in Kidney Ischemia-Reperfusion Injury
Gilbert R. Kinsey, Rahul Sharma, Liping Huang, Li Li, Amy L. Vergis, Hong Ye, Shyr-Te Ju, and Mark D. Okusa

siRNA Targeted to p53 Attenuates Ischemic and Cisplatin-Induced Acute Kidney Injury
Bruce A. Molitoris, Pierre C. Dagher, Ruben M. Sandoval, Silvia B. Campos, Hagit Ashush, Eduard Fridman, Anat Braffman, Alexander Faerman, Simon J. Atkinson, James D. Thompson, Hagar Kalinski, Rami Skaliter, Shai Erlich, and Elena Feinstein

Pirfenidine Is Renoprotective in Diabetic Kidney Disease
Satish P. Ramachandra Rao, Yanqing Zhu, Timothy Ravasi, Tracy A. McGowan, Irene Toh, Stephen R. Dunn, Shinichi Okada, Michael A. Shaw, and Kumar Sharma

The Calcineurin Homologous Protein-1 Increases Na⁺/H⁺-Exchanger 3 Trafficking via Ezrin Phosphorylation
Francesca Di Sole, Victor Babich, and Orson W. Moe

BRG1 Increases Transcription of Proinflammatory Genes in Renal Ischemia
Masayo Naito, Richard A. Zager, and Karol Bomsztyk

CLINICAL EPIDEMIOLOGY

High Protein Intake Associates with Cardiovascular Events but not with Loss of Renal Function
Nynke Halbesma, Stephan J.L. Bakker, Desiree F. Jansen, Ronald P. Stolk, Dick De Zeeuw, Paul E. De Jong, and Ronald T. Gansevoort for the PREVEND study group

25-Hydroxyvitamin D Levels Inversely Associate with Risk for Developing Coronary Artery Calcification
Ian H. de Boer, Bryan Kestenbaum, Abigail B. Shoben, Erin D. Michos, Mark J. Sarnak, and David S. Siscovick

See related editorial by Melamed and Thadhani (pp. 1663–1665).

Albuminuria and Kidney Function Independently Predict Cardiovascular and Renal Outcomes in Diabetes
Toshiharu Ninomiya, Vlad Perkovic, Bastiaan E. de Galan, Sophia Zoungas, Avinesh Pillai, Meg Jardine, Anushka Patel, Alan Cass, Bruce Neal, Neil Poulter, Carl-Erik Mogensen, Mark Cooper, Michel Marre, Bryan Williams, Pavel Hamet, Giuseppe Mancia, Mark Woodward, Stephen MacMahon, and John Chalmers, on behalf of the ADVANCE Collaborative Group

CLINICAL RESEARCH

Urine Neutrophil Gelatinase-Associated Lipocalin Moderately Predicts Acute Kidney Injury in Critically Ill Adults
Edward D. Siew, Lorraine B. Ware, Tebeeb Gebretsadik, Ayumi Shintani, Karel G. M. Moons, Nancy Wickersham, Frederick Bossert, and T. Alp Ikizler

See related editorial by Szczech (pp. 1656–1657).

Family History of Renal Disease Severity Predicts the Mutated Gene in ADPKD
Moumita Barua, Onur Cil, Andrew D. Paterson, Kairon Wang, Ning He, Elizabeth Dicks, Patrick Parfrey, and York Pei

Expression of Complement Components Differs Between Kidney Allografts from Living and Deceased Donors
Maarten Naesens, Li Li, Lihua Ying, Poonam Sansanwal, Tara K. Sigdel, Szu-Chuan Hsieh, Neeraja Kambham, Evelyne Lerut, Oscar Salvaterra, Atul J. Butte, and Minnie M. Sarwal