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
Terry B. Strom and Maria Koulmanda

**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.
1705 The Calcium-Sensing Receptor Promotes Urinary Acidification to Prevent Nephrolithiasis
Kirsten Y. Renkema, Ana Velic, Henry B. Dijkman, Sjoerd Verkaart, Annemiete 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).*

1714 The CXCL12 (SDF-1)/CXCR4 Axis Is Essential for the Development of Renal Vasculature

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

1724 Connexin 30 Deficiency Impairs Renal Tubular ATP Release and Pressure Natriuresis
Arnold Sipos, Sarah L. Vargas, Ildikó Toma, Fiona Hannier, Klaus Willecke, and János Peti-Peterdi

1733 Nephrin Deficiency Activates NF-κB and Promotes Glomerular Injury
Sagair Hussain, Leile Romio, Moin Saleem, Peter Mathieson, Manuel Serrano, Jorge Moscat, Maria Diaz-Meco, Peter Scambler, and Ania Koziell

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

1744 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

1754 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 Brafman, Alexander Faerman, Simon J. Atkinson, James D. Thompson, Hagar Kalinski, Rami Skaliter, Shai Erlich, and Elena Feinstein

1765 Pirfenidone 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

1776 The Calcineurin Homologous Protein-1 Increases Na⁺/H⁺-Exchanger 3 Trafficking via Ezrin Phosphorylation
Francesca Di Sole, Victor Babich, and Orson W. Moe

1787 BRG1 Increases Transcription of Proinflammatory Genes in Renal Ischemia
Masayo Naito, Richard A. Zager, and Karol Bomszytk

**CLINICAL EPIDEMIOLOGY**

1797 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

1805 25-Hydroxyvitamin D Levels Inversely Associate with Risk for Developing Coronary Artery Calcification
Ian H. de Boer, Bryan Kestenbaum, Abigail B. Shoben, Eric D. Michos, Mark J. Sarnak, and David S. Siscovick

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

1813 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**

1823 Urine Neutrophil Gelatinase-Associated Lipocalin Moderately Predicts Acute Kidney Injury in Critically Ill Adults
Edward D. Siew, Lorraine B. Ware, Tebeb Gebretsadik, Ayumi Shintani, Karel G. M. Moons, Nancy Wickersham, Frederick Bossert, and T. Alp Ikizler

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

1833 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

1839 Expression of Complement Components Differs Between Kidney Allografts from Living and Deceased Donors
Maarten Naesens, Li Li, Lihua Ying, Poonam Sananwal, Tara K. Sigdel, Szu-Chuan Hsieh, Neeraja Kambham, Evelyne Lerut, Oscar Salvatierra, Atul J. Butte, and Minnie M. Sarwal