

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**
Neal Paragas, Thomas L. Nickolas, Christina Wyatt, Catherine S. Forster, Meghan Sise, Susan Morgello, Bernd Jagla, Charles Buchen, Peter Stella, Simone Sanna-Cherchi, Maria Luisa Carnevali, Silvia Mattei, Achirpita Bovino, Lucia Argentiero, Andrea Magnano, Prasad Devarajan, Kai M. Schmidt-Ott, Landino Allegri, Paul Klotman, Vivette D'Agati, Ali G. Gharavi, and Jonathan Barasch
• 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

- 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, Alain 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**
Yoshitsugu Takabatake, Tatsuki Sugiyama, Hiroshi Kohara, Taiji Matsusaka, Hidetake Kurihara, Pandelakis A. Koni, Yasuyuki Nagasawa, Takayuki Hamano, Isao Matsui, Noritaka Kawada, Enyu Imai, Takashi Nagasawa, Hiromi Rakugi, and Yoshitaka Isaka
• 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 Hanner, 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. RamachandraRao, 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 Bomsztyk
- 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, Erin 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, Vlado 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**
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