

This Month's Highlights

UP FRONT MATTERS

Editorials

- 1573 **The TGF- β Route to Renal Fibrosis Is Not Linear: The miR-21 Viaduct**
Allison A. Eddy
• See related article by Zhong et al. (pp. 1668–1681).
- 1575 **Making a Tubule the Noncanonical Way**
Neil A. Hukriede and Igor B. Dawid
• See related article by Miller et al. (pp. 1654–1667).
- 1578 **Blind Men and Elephants and the Biological Markers of AKI**
Edward D. Siew
• See related articles by Parikh et al. (pp. 1737–1747 and pp. 1748–1757).
- 1580 **Screening for Proteinuria: A Tool for Predicting Rapid Declines in Kidney Function?**
Amanda Hyre Anderson
• See related article by Clark et al. (pp. 1729–1736).
- 1583 **The Rejection Barrier to Induced Pluripotent Stem Cells**
Savithri Balasubramanian, Satya K. Kota, and M. Todd Valerius
- Brief Review**
- 1587 **Osmosensory Mechanisms in Cellular and Systemic Volume Regulation**
Stine Falsig Pedersen, Andrés Kapus, and Else K. Hoffmann
- Special Articles**
- 1598 **Effect of Recommendations from Reviewers Suggested or Excluded by Authors**
Jessica L. Moore, Eric G. Neilson, and Vivian Siegel, on behalf of the Associate Editors at the Journal of the American Society of Nephrology

- 1603 **Cross Talk Between the Renin-Angiotensin-Aldosterone System and Vitamin D-FGF-23-klotho in Chronic Kidney Disease**
Martin H. de Borst, Marc G. Vervloet, Piet M. ter Wee, and Gerjan Navis

Science in Renal Medicine

- 1610 **Diagnostic Value of Urinary Sodium, Chloride, Urea, and Flow**
Robert W. Schrier

BRIEF COMMUNICATION

- 1615 **Trends in the Timing of Pre-emptive Kidney Transplantation**
Morgan E. Grams, Allan B. Massie, Josef Coresh, and Dorry L. Segev

BASIC RESEARCH

- 1621 **Activation of RhoA in Podocytes Induces Focal Segmental Glomerulosclerosis**
Lei Zhu, Ruihua Jiang, Lamine Aoudjit, Nina Jones, and Tomoko Takano
- 1631 **Uremia Alters HDL Composition and Function**
Michael Holzer, Ruth Birner-Gruenberger, Tatjana Stojakovic, Dalia El-Gamal, Veronika Binder, Christian Wadsack, Akos Heinemann, and Gunther Marsche
- 1642 ★ **Targeted Inhibition of β -Catenin/CBP Signaling Ameliorates Renal Interstitial Fibrosis**
Sha Hao, Weichun He, Yingjian Li, Hong Ding, Yayi Hou, Jing Nie, Fan Fan Hou, Michael Kahn, and Youhua Liu

1654 ★ Pronephric Tubulogenesis Requires Daam1-Mediated Planar Cell Polarity Signaling
Rachel K. Miller, Sol Gomez de la Torre Canny, Chuan-Wei Jang, Kyuchoel Cho, Hong Ji, Daniel S. Wagner, Elizabeth A. Jones, Raymond Habas, and Pierre D. McCrea
• See related editorial by Hukriede and Dawid (pp. 1575–1577).

1668 Smad3-Mediated Upregulation of miR-21 Promotes Renal Fibrosis
Xiang Zhong, Arthur C.K. Chung, Hai-Yong Chen, Xiao-Ming Meng, and Hui Y. Lan
• See related editorial by Eddy (pp. 1573–1575).

1682 Blocking TGF- β 1 Protects the Peritoneal Membrane from Dialysate-Induced Damage
Jesús Loureiro, Abelardo Aguilera, Rafael Selgas, Pilar Sandoval, Patricia Albar-Vizcaíno, María Luisa Pérez-Lozano, Vicente Ruiz-Carpio, Pedro L. Majano, Santiago Lamas, Fernando Rodríguez-Pascual, Francisco Borrás-Cuesta, Javier Dotor, and Manuel López-Cabrera

1696 Inhibition of the P2X7 Receptor Reduces Cystogenesis in PKD
Ming-Yang Chang, Jenn-Kan Lu, Ya-Chung Tian, Yung-Chang Chen, Cheng-Chieh Hung, Yi-Hui Huang, Yau-Hung Chen, Mai-Szu Wu, Chih-Wei Yang, and Yi-Chuan Cheng

1707 ★ Nedd4-2 Modulates Renal Na⁺-Cl⁻ Cotransporter via the Aldosterone-SGK1-Nedd4-2 Pathway
Juan Pablo Arroyo, Dagmara Lagnaz, Caroline Ronzaud, Norma Vázquez, Benjamin S. Ko, Lauren Moddes, Dorothée Ruffieux-Daidié, Pierrette Hausel, Robert Koesters, Baoli Yang, John B. Stokes, Robert S. Hoover, Gerardo Gamba, and Olivier Staub

CLINICAL EPIDEMIOLOGY

1721 ★ Albuminuria and Racial Disparities in the Risk for ESRD
William M. McClellan, David G. Warnock, Suzanne Judd, Paul Muntner, Reshma Kewalramani, Mary Cushman, Leslie A. McClure, Britt B. Newsome, and George Howard

1729 ★ Dipstick Proteinuria as a Screening Strategy to Identify Rapid Renal Decline
William F. Clark, Jennifer J. Macnab, Jessica M. Sontrop, Arsh K. Jain, Louise Moist, Marina Salvadori, Rita Suri, and Amit X. Garg
• See related editorial by Hyre Anderson (pp. 1580–1583).

CLINICAL RESEARCH

1737 Postoperative Biomarkers Predict Acute Kidney Injury and Poor Outcomes after Pediatric Cardiac Surgery
Chirag R. Parikh, Prasad Devarajan, Michael Zappitelli, Kyaw Sint, Heather Thiessen-Philbrook, Simon Li, Richard W. Kim, Jay L. Koyner, Steven G. Coca, Charles L. Edelstein, Michael G. Shlipak, Amit X. Garg, and Catherine D. Krawczeski, for the TRIBE-AKI Consortium
• See related editorial by Siew (pp. 1578–1580).

1748 Postoperative Biomarkers Predict Acute Kidney Injury and Poor Outcomes after Adult Cardiac Surgery
Chirag R. Parikh, Steven G. Coca, Heather Thiessen-Philbrook, Michael G. Shlipak, Jay L. Koyner, Zhu Wang, Charles L. Edelstein, Prasad Devarajan, Uptal D. Patel, Michael Zappitelli, Catherine D. Krawczeski, Cary S. Passik, Madhav Swaminathan, and Amit X. Garg, for the TRIBE-AKI Consortium
• See related editorial by Siew (pp. 1578–1580).

1758 ★ Randomized Trial of Immunosuppressive Regimens in Renal Transplantation
Giselle Guerra, Gaetano Ciancio, Jeffrey J. Gaynor, Alberto Zarak, Randolph Brown, Lois Hanson, Junichiro Sageshima, David Roth, Linda Chen, Warren Kupin, Lissett Tueros, Phillip Ruiz, Alan S. Livingstone, and George W. Burke III

1769 Colonic Contribution to Uremic Solutes
Pavel A. Aronov, Frank J.-G. Luo, Natalie S. Plummer, Zhe Quan, Susan Holmes, Thomas H. Hostetter, and Timothy W. Meyer