

## This Month's Highlights

### UP FRONT MATTERS

#### Editorials

**2605 Broadening Our Perspectives: CKD Care and the Dialysis Transition**

Thomas Hostetter and Josie P. Briggs

- See related perspectives by Berns et al. (pp. 2610–2612) and Liu and Zhao (pp. 2612–2615).

**2605 Peroxidase—a Novel Autoantigen in Anti-GBM Disease?**

Stephen P. McAdoo and Charles D. Pusey

- See related rapid communication by McCall et al. (pp. 2619–2625).

**2607 The Science of Fistula Maturation**

Matthew J. Oliver

- See related article by Robbin et al. (pp. 2735–2744).

#### Perspectives

**2610 Addressing Financial Disincentives to Improve CKD Care**

Jeffrey S. Berns, Tonya L. Saffer, and Eugene Lin

- See related editorial by Hostetter and Briggs (pp. 2605).

**2612 Savings Opportunity from Improved CKD Care Management**

Harry H. Liu and Sophia Zhao

- See related editorial by Hostetter and Briggs (pp. 2605).

**2615 Translational Methods in Nephrology: Individual Treatment Effect Modeling**

F. Perry Wilson and Chirag R. Parikh

### RAPID COMMUNICATION

**2619 ★ Inhibitory Anti-Peroxidase Antibodies in Pulmonary-Renal Syndromes**

A. Scott McCall, Gautam Bhave, Vadim Pedchenko, Jacob Hess, Meghan Free, Dustin J. Little, Thomas P. Baker, William F. Pendergraft III,

Ronald J. Falk, Stephen W. Olson, and Billy G. Hudson

- See related editorial by McAdoo and Pusey (pp. 2605–2607).

### BASIC RESEARCH

**2627 Renal COP9 Signalosome Deficiency Alters CUL3-KLHL3-WNK Signaling Pathway**

Ryan J. Cornelius, Jinge Si, Catherina A. Cuevas, Jonathan W. Nelson, Brittany D.K. Gratreak,

Ruggero Pardi, Chao-Ling Yang, and David H. Ellison

**2641 SHROOM3-FYN Interaction Regulates Nephric Phosphorylation and Affects Albuminuria in Allografts**

Chengguo Wei, Khadija Banu, Felipe Garzon,

John M. Basgen, Nimrod Philippe, Zhengzi Yi,

Ruijie Liu, Jui Choudhuri, Miguel Fribourg, Tong Liu,

Arun Cumpelik, Jenny Wong, Mubeen Khan,

Bhaskar Das, Karen Keung, Fadi Salem,

Kirk N. Campbell, Lewis Kaufman, Paolo Cravedi,

Weijia Zhang, Philip J. O'Connell, John Cijiang He,

Barbara Murphy, and Madhav C. Menon

**2658 Bile Acid G Protein-Coupled Membrane Receptor TGR5 Modulates Aquaporin 2-Mediated Water Homeostasis**

Suchun Li, Miaojuan Qiu, Yonglun Kong,

Xiaoduo Zhao, Hyo-Jung Choi, Maria Reich,

Brady H. Bunkelman, Qiaojuan Liu, Shan Hu,

Mengke Han, Haixia Xie, Avi Z. Rosenberg,

Verena Keitel, Tae-Hwan Kwon, Moshe Levi,

Chunling Li, and Weidong Wang

**2671** ★ **Platelet Microparticles Mediate Glomerular Endothelial Injury in Early Diabetic Nephropathy**  
Yang Zhang, Kun Ling Ma, Yu Xiang Gong, Gui Hua Wang, Ze Bo Hu, Liang Liu, Jian Lu, Pei Pei Chen, Chen Chen Lu, Xiong Zhong Ruan, and Bi Cheng Liu

**2696** **Combined Structural and Functional Imaging of the Kidney Reveals Major Axial Differences in Proximal Tubule Endocytosis**  
Claus D. Schuh, Marcello Polesel, Evgenia Platonova, Dominik Haenni, Alkaly Gassama, Natsuko Tokonami, Susan Ghazi, Milica Bugarski, Olivier Devuyst, Urs Ziegler, and Andrew M. Hall

### CLINICAL EPIDEMIOLOGY

**2713** ★ **Association of Soluble TNFR-1 Concentrations with Long-Term Decline in Kidney Function: The Multi-Ethnic Study of Atherosclerosis**  
Pavan K. Bhatraju, Leila R. Zelnick, Michael Shlipak, Ronit Katz, and Bryan Kestenbaum

**2722** **Dickkopf-3 (DKK3) in Urine Identifies Patients with Short-Term Risk of eGFR Loss**  
Stephen Zewinger, Thomas Rauhen, Michael Rudnicki, Giuseppina Federico, Martina Wagner, Sarah Triem, Stefan J. Schunk, Ioannis Petrakis, David Schmit, Stefan Wagenpfeil, Gunnar H. Heine, Gert Mayer, Jürgen Floege, Danilo Fliser, Hermann-Josef Gröne, and Thimoteus Speer

### CLINICAL RESEARCH

**2735** ★ **Prediction of Arteriovenous Fistula Clinical Maturation from Postoperative Ultrasound Measurements: Findings from the Hemodialysis Fistula Maturation Study**  
Michelle L. Robbin, Tom Greene, Michael Allon, Laura M. Dember, Peter B. Imrey, Alfred K. Cheung,

Jonathan Himmelfarb, Thomas S. Huber, James S. Kaufman, Milena K. Radeva, Prabir Roy-Chaudhury, Yan-Ting Shiu, Miguel A. Vazquez, Heidi R. Umphrey, Lauren Alexander, Carl Abts, Gerald J. Beck, John W. Kusek, Harold I. Feldman, and the Hemodialysis Fistula Maturation Study Group  
• See related editorial by Oliver (pp. 2607–2609).

**2745** ★ **DUET: A Phase 2 Study Evaluating the Efficacy and Safety of Sparsentan in Patients with FSGS**  
Howard Trachtman, Peter Nelson, Sharon Adler, Kirk N. Campbell, Abanti Chaudhuri, Vimal Kumar Derebail, Giovanni Gambaro, Loreto Gesualdo, Debbie S. Gipson, Jonathan Hogan, Kenneth Lieberman, Brad Marder, Kevin Edward Meyers, Esmat Mustafa, Jai Radhakrishnan, Tarak Srivastava, Miganush Stepanians, Vladimír Tesar, Olga Zhdanova, Radko Komers, and on behalf of the DUET Study Group

**2755** ★ **Empagliflozin and Kidney Function Decline in Patients with Type 2 Diabetes: A Slope Analysis from the EMPA-REG OUTCOME Trial**  
Christoph Wanner, Hidde J.L. Heerspink, Bernard Zinman, Silvio E. Inzucchi, Audrey Koitka-Weber, Michaela Mattheus, Stefan Hantel, Hans-Juergen Woerle, Uli C. Broedl, Maximilian von Eynatten, and Per-Henrik Groop, on behalf of the EMPA-REG OUTCOME Investigators

### LETTER TO THE EDITOR

**2771** **Gabapentinoids and Benzodiazepines in Medicare Part D**  
Eric D. Weinhandl

**2771** **Authors' Reply**  
Julie H. Ishida, Charles E. McCulloch, Michael A. Steinman, Barbara A. Grimes, and Kirsten L. Johansen