

## This Month's Highlights

### UP FRONT MATTERS

#### Editorials

- 997 **Tubular Vascular Endothelial Growth Factor-A, Erythropoietin, and Medullary Vessels: A Trio Linked by Hypoxia**

Alda Tufro

• See related article by Dimke et al. (pp. 1027–1038).

- 999 **Could Autophagic Exhaustion Be a Final Common Pathway for Podocytopathy in FSGS?**

Manjeri A. Venkatachalam

• See related article by Kawakami et al. (pp. 1040–1052).

- 1001 **We Don't Prescribe Statins to Lower Cholesterol: We Prescribe Statins to Reduce Vascular Risk**

Marcello Tonelli

• See related article by Colantonio et al. (pp. 1173–1180).

- 1004 **Renal Allograft Rejection: Pieces of the Puzzle**

Lorraine Racusen and Carmen Lefaucheur

• See related article by Jackson et al. (pp. 1161–1171); and Sis et al. (pp. 1216–1227).

#### Brief Review

- 1007 **The Dark Side of Extracellular ATP in Kidney Diseases**

Anna Solini, Vera Usueli, and Paolo Fiorina

#### Clinical Commentary

- 1017 **Reassessing Medical Risk in Living Kidney Donors**

Robert S. Gaston, Vineeta Kumar, and Arthur J. Matas

### BRIEF COMMUNICATION

- 1021 **★Lack of Association of the APOL1 G3 Haplotype in African Americans with ESRD**

Nicholette D. Palmer, Maggie C.Y. Ng, Carl D. Langefeld, Jasmin Divers, Janice P. Lea, Mark D. Okusa, Robert P. Kimberly, Donald W. Bowden, and Barry I. Freedman

### BASIC RESEARCH

- 1027 **Tubulovascular Cross-Talk by Vascular Endothelial Growth Factor A Maintains Peritubular Microvasculature in Kidney**  
Henrik Dimke, Matthew A. Sparks, Benjamin R. Thomson, Sebastian Frische, Thomas M. Coffman, and Susan E. Quaggin

• See related editorial by Tufro (pp. 997–998).

- 1040 **Deficient Autophagy Results in Mitochondrial Dysfunction and FSGS**

Takahisa Kawakami, Ivan G. Gomez, Shuyu Ren, Kelly Hudkins, Allie Roach, Charles E. Alpers, Stuart J. Shankland, Vivette D. D'Agati, and Jeremy S. Duffield

• See related editorial by Venkatachalam (pp. 999–1001).

- 1053 **★Deficiency of Fibroblast Growth Factor-Inducible 14 (Fn14) Preserves the Filtration Barrier and Ameliorates Lupus Nephritis**

Yumin Xia, Leal C. Herlitz, Simona Gindea, Jing Wen, Rahul D. Pawar, Alexander Misharin, Harris Perlman, Lan Wu, Ping Wu, Jennifer S. Michaelson, Linda C. Burkly, and Chaim Putterman

- 1071 **Endothelin-A Receptor Antagonism after Renal Angioplasty Enhances Renal Recovery in Renovascular Disease**

Alejandro R. Chade, Nathan Tullos, Nicholas J. Stewart, and Bret Surles

- 1081 **★Nonmuscle Myosin II Regulates the Morphogenesis of Metanephric Mesenchyme-Derived Immature Nephrons**

Mariam C. Recuenco, Tomoko Ohmori, Shunsuke Tanigawa, Atsuhiko Taguchi, Sayoko Fujimura, Mary Anne Conti, Qize Wei, Hiroshi Kiyonari, Takaya Abe, Robert S. Adelstein, and Ryuichi Nishinakamura

- 1092 **Conditional Knockout of Proximal Tubule Mitofusin 2 Accelerates Recovery and Improves Survival after Renal Ischemia**

Jonathan M. Gall, Zhiyong Wang, Ramon G. Bonegio, Andrea Havasi, Marc Liesa, Pradheep Vemula, and Steven C. Borkan

**1103 Reduction in Maternal Circulating Ouabain Impairs Offspring Growth and Kidney Development**  
Moran Dvela-Levitt, Hagit Cohen-Ben Ami, Haim Rosen, Asher Ornoy, Drorith Hochner-Celnikier, Menachem Granat, and David Lichtstein

**1115 EGF Receptor Deletion in Podocytes Attenuates Diabetic Nephropathy**  
Jianchun Chen, Jian-Kang Chen, and Raymond C. Harris

**1126 Functional Genetic Targeting of Embryonic Kidney Progenitor Cells *Ex Vivo***  
Sanna Junntila, Ulla Saarela, Kimmo Halt, Aki Manninen, Heikki Pärssinen, M. Rita Lecca, André W. Brändli, Sunder Sims-Lucas, Ilya Skovorodkin, and Seppo J. Vainio

**1138 ★Gastrointestinal Inhibition of Sodium-Hydrogen Exchanger 3 Reduces Phosphorus Absorption and Protects against Vascular Calcification in CKD**  
Eric D. Labonté, Christopher W. Carreras, Michael R. Leadbetter, Kenji Kozuka, Jill Kohler, Samantha Koo-McCoy, Limin He, Edward Dy, Deborah Black, Ziyang Zhong, Ingrid Langsetmo, Andrew G. Spencer, Noah Bell, Desiree Deshpande, Marc Navre, Jason G. Lewis, Jeffrey W. Jacobs, and Dominique Charmot

**1150 Soluble Klotho Protects against Uremic Cardiomyopathy Independently of Fibroblast Growth Factor 23 and Phosphate**  
Jian Xie, Joonho Yoon, Sung-Wan An, Makoto Kuro-o, and Chou-Long Huang

**1161 Endothelial Cell Antibodies Associated with Novel Targets and Increased Rejection**  
Annette M. Jackson, Tara K. Sigdel, Marianne Delville, Szu-Chuan Hsieh, Hong Dai, Serena Bagnasco, Robert A. Montgomery, and Minnie M. Sarwal  
• See related editorial by Racusen and Lefaucheur (pp. 1004–1005).

### CLINICAL EPIDEMIOLOGY

**1173 Contrasting Cholesterol Management Guidelines for Adults with CKD**  
Lisandro D. Colantonio, Usman Baber, Maciej Banach, Rikki M. Tanner, David G. Warnock, Orlando M.

Gutiérrez, Monika M. Safford, Christoph Wanner, George Howard, and Paul Muntner  
• See related editorial by Tonelli (pp. 1001–1003).

**1181 ★Mediation Analysis of Aortic Stiffness and Renal Microvascular Function**  
Todd Woodard, Sigurdur Sigurdsson, John D. Gotal, Alyssa A. Torjesen, Lesley A. Inker, Thor Aspelund, Gudny Eiriksdottir, Vilmundur Gudnason, Tamara B. Harris, Lenore J. Launer, Andrew S. Levey, and Gary F. Mitchell

**1188 Kidney Transplant Outcomes for Prior Living Organ Donors**  
Vishnu Potluri, Meera N. Harhay, F. Perry Wilson, Roy D. Bloom, and Peter P. Reese

### CLINICAL RESEARCH

**1195 ★Variants in Complement Factor H and Complement Factor H-Related Protein Genes, *CFHR3* and *CFHR1*, Affect Complement Activation in IgA Nephropathy**  
Li Zhu, Ya-Ling Zhai, Feng-Mei Wang, Ping Hou, Ji-Cheng Lv, Da-Min Xu, Su-Fang Shi, Li-Jun Liu, Feng Yu, Ming-Hui Zhao, Jan Novak, Ali G. Gharavi, and Hong Zhang

**1205 Paricalcitol for Secondary Hyperparathyroidism in Renal Transplantation**  
Matias Trillini, Monica Cortinovia, Piero Ruggenti, Jorge Reyes Loaeza, Karen Courville, Claudia Ferrer-Siles, Silvia Prandini, Flavio Gaspari, Antonio Cannata, Alessandro Villa, Annalisa Perna, Eliana Gotti, Maria Rosa Caruso, Davide Martinetti, Giuseppe Remuzzi, and Norberto Perico

**1216 Isolated Enderteritis and Kidney Transplant Survival: A Multicenter Collaborative Study**  
Banu Sis, Serena M. Bagnasco, Lynn D. Cornell, Parmjeet Randhawa, Mark Haas, Belinda Lategan, Alex B. Magil, Andrew M. Herzenberg, Ian W. Gibson, Michael Kuperman, Kotaro Sasaki, and Edward S. Kraus, the Banff Working Group  
• See related editorial by Racusen and Lefaucheur (pp. 1004–1005).