

This Month's Highlights

UP FRONT MATTERS

Editorials

- 1341 **The Complex Role of Interleukin 6 in Regulating T-cell Responses during Acute Glomerulonephritis**

Sarah Cormican and Matthew D. Griffin

- See related article by Hagenstein et al. (pp. 1439–1453).

- 1344 **Time's Up! Start Dialysis Later in Children**

Nicholas G. Larkins and Jonathan C. Craig

- See related article by Winnicki et al. (pp. 1505–1513).

- 1345 **Enemy Action in the Distal Convoluted Tubule**

David H. Ellison and Shih-Hua Lin

- See related article by Blanchard et al. (pp. 1534–1545).

Perspective

- 1349 **Removing Disincentives to Kidney Donation: A Quantitative Analysis**

Frank McCormick, Philip J. Held, Glenn M. Chertow, Thomas G. Peters, and John P. Roberts

Review

- 1358 **Renal-Tubule Epithelial Cell Nomenclature for Single-Cell RNA-Sequencing Studies**

Lihe Chen, Jevin Z. Clark, Jonathan W. Nelson, Brigitte Kaissling, David H. Ellison, and Mark A. Knepper

BASIC RESEARCH

- 1365 ★ **Apoptotic Cell-Induced, Antigen-Specific Immunoregulation to Treat Experimental Antimyeloperoxidase GN**

Poh-Yi Gan, Andrea S. Godfrey, Joshua D. Ooi, Kim-Maree O'Sullivan, Virginie Oudin, A. Richard Kitching, and Stephen R. Holdsworth

- 1375 ★ **Genetic Identification of Two Novel Loci Associated with Steroid-Sensitive Nephrotic Syndrome**

Stephanie Dufek, Chris Cheshire, Adam P. Levine, Richard S. Trompeter, Naomi Issler, Matthew Stubbs,

Monika Mozere, Sanjana Gupta, Enriko Klootwijk, Vaksha Patel, Daljit Hothi, Aoife Waters, Hazel Webb, Kjell Tullus, Lucy Jenkins, Lighta Godinho, Elena Levtschenko, Jack Wetzels, Nine Knoers, Nynke Teeninga, Jeroen Nauta, Mohamed Shalaby, Sherif Eldesoky, Jameela A. Kari, Shenal Thalgahagoda, Randula Ranawaka, Asiri Abeyagunawardena, Adebowale Adeyemo, Mark Kristiansen, Rasheed Gbadegesin, Nicholas J. Webb, Daniel P. Gale, Horia C. Stanescu, Robert Kleta, and Detlef Bockenhauer

- 1385 ★ **Ribonuclease 7 Shields the Kidney and Bladder from Invasive Uropathogenic *Escherichia coli* Infection**

Tad Eichler, Kristin Bender, Matthew J. Murtha, Laura Schwartz, Jackie Metheny, Lindsey Solden, Robert M. Jagggers, Michael T. Bailey, Sudipti Gupta, Claudia Mosquera, Christina Ching, Krista La Perle, Birong Li, Brian Becknell, and John David Spencer

- 1398 **Sprouty1 Controls Genitourinary Development via its N-Terminal Tyrosine**

Marta Vaquero, Sara Cuesta, Carlos Anerillas, Gisela Altés, Joan Ribera, M. Albert Basson, Jonathan D. Licht, Joaquim Egea, and Mario Encinas

- 1413 **Erythrocyte Adenosine A2B Receptor-Mediated AMPK Activation: A Missing Component Counteracting CKD by Promoting Oxygen Delivery**

Zhangzhe Peng, Renna Luo, Tingting Xie, Weiru Zhang, Hong Liu, Wei Wang, Lijian Tao, Rodney E. Kellems, and Yang Xia

- 1425 **Deletion of Kir5.1 Impairs Renal Ability to Excrete Potassium during Increased Dietary Potassium Intake**

Peng Wu, Zhong-Xiuzi Gao, Dan-Dan Zhang, Xiao-Tong Su, Wen-Hui Wang, and Dao-Hong Lin

- 1439** **A Novel Role for IL-6 Receptor Classic Signaling: Induction of ROR γ t⁺Foxp3⁺ Tregs with Enhanced Suppressive Capacity**
Julia Hagenstein, Simon Melderis, Anna Nosko, Matthias T. Warkotsch, Johannes V. Richter, Torben Ramcke, Georg R. Hermstadt, Jürgen Scheller, Isabell Yan, Hans-Willi Mittrücker, Malte A. Kluger, and Oliver M. Steinmetz
• See related editorial by Cormican and Griffin (pp. 1341–1344).
- 1454** **Rapid Aldosterone-Mediated Signaling in the DCT Increases Activity of the Thiazide-Sensitive NaCl Cotransporter**
Lei Cheng, Søren Brandt Poulsen, Qi Wu, Cristina Esteva-Font, Emma T. B. Olesen, Li Peng, Björn Olde, L. M. Fredrik Leeb-Lundberg, Trairak Pisitkun, Timo Rieg, Henrik Dimke, and Robert A. Fenton
- CLINICAL EPIDEMIOLOGY**
- 1471** **Glomerular Volume and Glomerulosclerosis at Different Depths within the Human Kidney**
Aleksandar Denic, Luisa Ricaurte, Camden L. Lopez, Ramya Narasimhan, Lilach O. Lerman, John C. Lieske, R. Houston Thompson, Walter K. Kremers, and Andrew D. Rule
- CLINICAL RESEARCH**
- 1481** **★A Peripheral Blood Gene Expression Signature to Diagnose Subclinical Acute Rejection**
Weijia Zhang, Zhengzi Yi, Karen L. Keung, Huimin Shang, Chengguo Wei, Paolo Cravedi, Zeguo Sun, Caixia Xi, Christopher Woytovich, Samira Farouk, Weiqing Huang, Khadija Banu, Lorenzo Gallon, Ciara N. Magee, Nader Najafian, Milagros Samaniego, Arjang Djmalali, Stephen I. Alexander, Ivy A. Rosales, Rex Neal Smith, Jenny Xiang, Evelyne Lerut, Dirk Kuypers, Maarten Naesens, Philip J. O'Connell, Robert Colvin, Madhav C. Menon, and Barbara Murphy
- 1495** **A Pilot Randomized Trial of Ferric Citrate Coordination Complex for the Treatment of Advanced CKD**
Geoffrey A. Block, Martha S. Block, Gerard Smits, Rupal Mehta, Tamara Isakova, Myles Wolf, and Glenn M. Chertow
- 1505** **★Higher eGFR at Dialysis Initiation Is Not Associated with a Survival Benefit in Children**
Erica Winnicki, Kirsten L. Johansen, Michael D. Cabana, Bradley A. Warady, Charles E. McCulloch, Barbara Grimes, and Elaine Ku
• See related editorial by Larkins and Craig (pp. 1344–1345).
- 1514** **★Automatic Measurement of Kidney and Liver Volumes from MR Images of Patients Affected by Autosomal Dominant Polycystic Kidney Disease**
Maatje D.A. van Gastel, Marie E. Edwards, Vicente E. Torres, Bradley J. Erickson, Ron T. Gansevoort, and Timothy L. Kline
- 1523** **Implications of Early Decline in eGFR due to Intensive BP Control for Cardiovascular Outcomes in SPRINT**
Srinivasan Beddhu, Jincheng Shen, Alfred K. Cheung, Paul L. Kimmel, Glenn M. Chertow, Guo Wei, Robert E. Boucher, Michel Chonchol, Farid Arman, Ruth C. Campbell, Gabriel Contreras, Jamie P. Dwyer, Barry I. Freedman, Joachim H. Ix, Kent Kirchner, Vasilios Papademetriou, Roberto Pisoni, Michael V. Rocco, Paul K. Whelton, and Tom Greene
- 1534** **Resistance to Insulin in Patients with Gitelman Syndrome and a Subtle Intermediate Phenotype in Heterozygous Carriers: A Cross-Sectional Study**
Anne Blanchard, Marion Vallet, Laurence Dubourg, Marguerite Hureauux, Julien Allard, Jean-Philippe Haymann, Renaud de la Faille, Armelle Arnoux, Aurelie Dinut, Damien Bergerot, Pierre-Hadrien Becker, Pierre-Yves Courand, Stéphanie Baron, Pascal Houillier, Ivan Tack, Olivier Devuyt, Xavier Jeunemaitre, Michel Azizi, and Rosa Vargas-Poussou
• See related editorial by Ellison and Lin (pp. 1345–1348).
- LETTERS TO THE EDITOR**
- 1547** **Cognitive Impairment after Kidney Transplant: a Hidden Consequence of Depression?**
Calum D. Moulton, Thahesh Tharmaraja, Jonathan L. Dumbrell, and Christopher W. P. Hopkins
- 1548** **Authors' Reply**
Nadia M. Chu, Alden L. Gross, Ashton A. Shaffer, Christine E. Haugen, Silas P. Norman, Qian-Li Xue, A. Richey Sharrett, Michelle Carlson, Karen Bandeen-Roche, Dorry L. Segev, and Mara A. McAdams-DeMarco
- 1550** **ERRATUM**