

## UP FRONT MATTERS

### Editorials

- 1 **Targeting Cyst Initiation in ADPKD**  
Stephanie J. Leuenroth and Craig M. Crews
- 3 **Cross Dendritic Cells Anger T Cells after Kidney Injury**  
Andrew Rees  
• See related article by Macconi et al. (pp. 123–130).
- 5 **Salt in the Wound**  
Nancy J. Brown  
• See related article by Leroy et al. (pp. 131–144).
- 6 **Unified Ultrasonographic Diagnostic Criteria for Polycystic Kidney Disease**  
Franck A. Belibi and Charles L. Edelstein  
• See related article by Pei et al. (pp. 205–212).
- 8 **Yin and Yang: Acute Kidney Injury and Chronic Kidney Disease**  
Amit X. Garg and Chirag R. Parikh  
• See related article by Ishani et al. (pp. 223–228).

### Clinical Commentary

- 11 **Improving the Recognition of Hereditary Interstitial Kidney Disease**  
Anthony J. Bleyer

### Brief Reviews

- 14 **Pregnancy and the Kidney**  
Sharon E. Maynard and Ravi Thadhani
- 23 **Nephronophthisis: Disease Mechanisms of a Ciliopathy**  
Friedhelm Hildebrandt, Massimo Attanasio, and Edgar Otto

## BRIEF COMMUNICATION

- 37 **Outcomes of Transplanting Deceased-Donor Kidneys between Elderly Donors and Recipients**  
Markus Giessing, T. Florian Fuller, Frank Friedersdorff, Serdar Deger, Andreas Wille, Hans-Hellmut Neumayer, Danilo Schmidt, Klemens Budde, and Lutz Liefeldt

## BASIC RESEARCH

- 41 ★ **HNF-1 $\beta$  Regulates Transcription of the PKD Modifier Gene *Kif12***  
Yimei Gong, Zhendong Ma, Vishal Patel, Evelyne Fischer, Thomas Hiesberger, Marco Pontoglio, and Peter Igarashi
- 48 **Increased Expression of Secreted Frizzled-Related Protein 4 in Polycystic Kidneys**  
Daniel Romaker, Michael Puetz, Sven Teschner, Johannes Donauer, Marcel Geyer, Peter Gerke, Brigitta Rumberger, Bernd Dworniczak, Petra Pennekamp, Björn Buchholz, H.P.H. Neumann, Rajiv Kumar, Joachim Gloy, Kai-Uwe Eckardt, and Gerd Walz
- 57 **Induction of T Regulatory Cells Attenuates Idiopathic Nephrotic Syndrome**  
Ludmilla Le Berre, Sarah Bruneau, Jeanne Naulet, Karine Renaudin, Françoise Buzelin, Claire Usal, Helga Smit, Thomas Condamine, Jean-Paul Souillou, and Jacques Dantal
- 68 ★ **Imatinib Suppresses Cryoglobulinemia and Secondary Membranoproliferative Glomerulonephritis**  
Masayuki Iyoda, Kelly L. Hudkins, Shirly Becker-Herman, Tomasz A. Wietecha, Miriam C. Banas, Shunhua Guo, Almut Meyer-Bahlburg, Jolanta Kowalewska, Gang Liu, Steven F. Ziegler, David J. Rawlings, and Charles E. Alpers
- 78 **EGF Increases TRPM6 Activity and Surface Expression**  
Stéphanie Thebault, R. Todd Alexander, Wouter M. Tiel Groenestege, Joost G. Hoenderop, and René J. Bindels
- 86 **Disruption of Myosin 1e Promotes Podocyte Injury**  
Mira Krendel, Sangwon V. Kim, Tim Willinger, Tong Wang, Michael Kashgarian, Richard A. Flavell, and Mark S. Mooseker

- 95 **PARP-1 Inhibits Glycolysis in Ischemic Kidneys**  
Kishor Devalaraja-Narashimha and Babu J. Padanilam
- 104 **Type IIc Sodium-Dependent Phosphate Transporter Regulates Calcium Metabolism**  
Hiroko Segawa, Akemi Onitsuka, Masashi Kuwahata, Etsuyo Hanabusa, Junya Furutani, Ichiro Kaneko, Yuka Tomoe, Fumito Aranami, Natsuki Matsumoto, Mikiko Ito, Mitsuru Matsumoto, Minqi Li, Norio Amizuka, and Ken-ichi Miyamoto
- 114 **Adriamycin Alters Glomerular Endothelium to Induce Proteinuria**  
Marie Jeansson, Karin Björck, Olav Tenstad, and Börje Haraldsson
- 123 **Proteasomal Processing of Albumin by Renal Dendritic Cells Generates Antigenic Peptides**  
Daniela Macconi, Chiara Chiabrando, Silvia Schiarea, Sistiania Aiello, Linda Cassis, Elena Gagliardini, Marina Noris, Simona Buelli, Carla Zoja, Daniela Corna, Caterina Mele, Roberto Fanelli, Giuseppe Remuzzi, and Ariela Benigni  
• See related editorial by Rees (pp. 3–5).
- 131 ★ **Aldosterone Activates NF- $\kappa$ B in the Collecting Duct**  
Valérie Leroy, Sophie De Seigneux, Victor Agassiz, Udo Hasler, Marie-Edith Rafestin-Oblin, Manlio Vinciguerra, Pierre-Yves Martin, and Eric Féraille  
• See related editorial by Brown (pp. 5–6).
- 145 **Disease-Causing Dysfunctions of Barttin in Bartter Syndrome Type IV**  
Audrey G.H. Janssen, Ute Scholl, Constanze Domeyer, Doreen Nothmann, Ariane Leinenweber, and Christoph Fahlke
- CLINICAL EPIDEMIOLOGY**
- 155 ★ **Relationship between Dialysis Modality and Mortality**  
Stephen P. McDonald, Mark R. Marshall, David W. Johnson, and Kevan R. Polkinghorne
- 164 **Timing of Onset of CKD-Related Metabolic Complications**  
Olivier Moranne, Marc Froissart, Jerome Rossert, Cedric Gauci, Jean-Jacques Boffa, Jean Philippe Haymann, Mona Ben M'rad, Christian Jacquot, Pascal Houillier, Benedicte Stengel, Bruno Fouqueray, and the NephroTest Study Group
- 172 **Similar Outcomes among Black and White Renal Allograft Recipients**  
Karen Yeates, Natasha Wiebe, John Gill, Camelia Sima, Douglas Schaubel, David Holland, Brenda Hemmelgarn, and Marcello Tonelli
- CLINICAL RESEARCH**
- 181 **Glomerular Function, Structure, and Number in Renal Allografts from Older Deceased Donors**  
Jane C. Tan, Biruh Workeneh, Stephan Busque, Kristina Blouch, Geraldine Derby, and Bryan D. Myers
- 189 **Mitochondrial DNA Injury and Mortality in Hemodialysis Patients**  
Madhumathi Rao, Lijun Li, Caren Demello, Daqing Guo, Bertrand L. Jaber, Brian J.G. Pereira, Vaidyanathapuram S. Balakrishnan, and the HEMO Study Group
- 197 **C4d Deposition without Rejection Correlates with Reduced Early Scarring in ABO-Incompatible Renal Allografts**  
Mark Haas, Dorry L. Segev, Lorraine C. Racusen, Serena M. Bagnasco, Jayme E. Locke, Daniel S. Warren, Christopher E. Simpkins, Diane Lepley, Karen E. King, Edward S. Kraus, and Robert A. Montgomery
- 205 ★ **Unified Criteria for Ultrasonographic Diagnosis of ADPKD**  
York Pei, James Obaji, Annie Dupuis, Andrew D. Paterson, Riccardo Magistroni, Elizabeth Dicks, Patrick Parfrey, Benvon Cramer, Eliecer Coto, Roser Torra, Jose L. San Millan, Robert Gibson, Martijn Breuning, Dorien Peters, and David Ravine  
• See related editorial by Belibi and Edelstein (pp. 6–8).
- 213 **Plasma ADMA Predicts Restenosis of Arteriovenous Fistula**  
Chih-Cheng Wu, Szu-Chi Wen, Chung-Wei Yang, Shih-Yun Pu, Kuei-Chin Tsai, and Jaw-Wen Chen
- 223 ★ **Acute Kidney Injury Increases Risk of ESRD among Elderly**  
Areef Ishani, Jay L. Xue, Jonathan Himmelfarb, Paul W. Eggers, Paul L. Kimmel, Bruce A. Molitoris, and Allan J. Collins  
• See related editorial by Garg and Parikh (pp. 8–10).
- 229 **ERRATUM**