

This Month's Highlights

UP FRONT MATTERS

Editorials

- 1503 **IL-2/Anti-IL-2 Complex: A Novel Strategy of In Vivo Regulatory T Cell Expansion in Renal Injury**
Yuan Min Wang and Stephen I. Alexander
• See related article by Kim et al. (pp. 1529–1536).
- 1505 **Diabetic Nephropathy: Is ESRD Its Only Heritable Phenotype?**
Marcus G. Pezzolesi and Andrzej S. Krolewski
• See related article by Sandholm et al. (pp. 1537–1543).
- 1507 **Induced Pluripotent Stem Cells from Polycystic Kidney Disease Patients: A Novel Tool to Model the Pathogenesis of Cystic Kidney Disease**
Alexis Hofherr and Michael Köttgen
• See related article by Freedman et al. (pp. 1571–1586).
- 1509 **The Upfront Risks of Vascular Access Complications**
Louise M. Moist and Ahmed A. Al-Jaishi
• See related article by Ravani et al. (pp. 1668–1677).
- Brief Reviews**
- 1512 **NADPH Oxidases, Reactive Oxygen Species, and the Kidney: Friend and Foe**
Mona Sedeek, Rania Nasrallah, Rhian M. Touyz, and Richard L. Hébert
- 1519 **Tenofovir Effect on the Kidneys of HIV-Infected Patients: A Double-Edged Sword?**
Jérôme Tourret, Gilbert Deray, and Corinne Isnard-Bagnis

BRIEF COMMUNICATIONS

- 1529 **IL-2/Anti-IL-2 Complex Attenuates Renal Ischemia-Reperfusion Injury through Expansion of Regulatory T Cells**
Myung-Gyu Kim, Tai Yeon Koo, Ji-Jing Yan, Eunwon Lee, Kyu Hyun Han, Jong Cheol Jeong, Han Ro, Beom Seok Kim, Sang-Kyung Jo, Kook Hwan Oh, Charles D. Surh, Curie Ahn, and Jaeseok Yang
• See related editorial by Wang and Alexander (pp. 1503–1504).
- 1537 **Chromosome 2q31.1 Associates with ESRD in Women with Type 1 Diabetes**
Niina Sandholm, Amy Jayne McKnight, Rany M. Salem, Eoin P. Brennan, Carol Forsblom, Valma Harjutsalo, Ville-Petteri Mäkinen, Gareth J. McKay, Denise M. Sadlier, Winfred W. Williams, Finian Martin, Nicolae Mircea Panduru, Lise Tarnow, Jaakko Tuomilehto, Karl Tryggvason, Gianpaolo Zerbini, Mary E. Comeau, Carl D. Langefeld, for the FIND Consortium; Catherine Godson, Joel N. Hirschhorn, Alexander P. Maxwell, Jose C. Florez, and Per-Henrik Groop, on behalf of the FinnDiane Study Group and the GENIE Consortium.
• See related editorial by Pezzolesi and Krolewski (pp. 1505–1507).

BASIC RESEARCH

- 1545 ★ **The RIP1-Kinase Inhibitor Necrostatin-1 Prevents Osmotic Nephrosis and Contrast-Induced AKI in Mice**
Andreas Linkermann, Jan-Ole Heller, Ágnes Prókai, Joel M. Weinberg, Federica De Zen, Nina Himmerkus, Attila J. Szabó, Jan H. Bräsen, Ulrich Kunzendorf, and Stefan Krautwald
- 1558 **IL-11 Is Required for A₁ Adenosine Receptor-Mediated Protection against Ischemic AKI**
Joo Yun Kim, Mihwa Kim, Ahrom Ham, Kevin M. Brown, Robert W. Greene, Vivette D. D'Agati, and H. Thomas Lee

1571 **Reduced Ciliary Polycystin-2 in Induced Pluripotent Stem Cells from Polycystic Kidney Disease Patients with *PKD1* Mutations**
Benjamin S. Freedman, Albert Q. Lam, Jamie L. Sundsbak, Rossella Iatrino, Xuefeng Su, Sarah J. Koon, Maoqing Wu, Laurence Daheron, Peter C. Harris, Jing Zhou, and Joseph V. Bonventre
• See related editorial by Hofherr and Köttgen (pp. 1507–1509).

1587 **Phosphorylation Regulates NCC Stability and Transporter Activity *In Vivo***
Sung-Sen Yang, Yu-Wei Fang, Min-Hua Tseng, Pei-Yi Chu, I-Shing Yu, Han-Chung Wu, Shu-Wha Lin, Tom Chau, Shinichi Uchida, Sei Sasaki, Yuh-Feng Lin, Huey-Kang Sytwu, and Shih-Hua Lin

1599 ★ **Plasticity of Renal Erythropoietin-Producing Cells Governs Fibrosis**
Tomokazu Souma, Shun Yamazaki, Takashi Moriguchi, Norio Suzuki, Ikuo Hirano, Xiaoqing Pan, Naoko Minegishi, Michiaki Abe, Hideyasu Kiyomoto, Sadayoshi Ito, and Masayuki Yamamoto

1617 **SLC26A6 and NaDC-1 Transporters Interact to Regulate Oxalate and Citrate Homeostasis**
Ehud Ohana, Nikolay Shcheynikov, Orson W. Moe, and Shmuel Muallem

1627 ★ **TGF- β 1 Promotes Lymphangiogenesis during Peritoneal Fibrosis**
Hiroshi Kinashi, Yasuhiko Ito, Masashi Mizuno, Yasuhiro Suzuki, Takeshi Terabayashi, Fumiko Nagura, Ryohei Hattori, Yoshihisa Matsukawa, Tomohiro Mizuno, Yukihiko Noda, Hayato Nishimura, Ryosuke Nishio, Shoichi Maruyama, Enyu Imai, Seiichi Matsuo, and Yoshifumi Takei

1644 **Adiponectin Promotes Monocyte-to-Fibroblast Transition in Renal Fibrosis**
Jun Yang, Song-Chang Lin, Gang Chen, Liqun He, Zhaoyong Hu, Lawrence Chan, JoAnn Trial, Mark L. Entman, and Yanlin Wang

CLINICAL EPIDEMIOLOGY

1661 ★ **Proteinuria and Rate of Change in Kidney Function in a Community-Based Population**
Tanvir Chowdhury Turin, Matthew James, Pietro Ravani, Marcello Tonelli, Braden J. Manns, Robert Quinn, Min Jun, Scott Klarenbach, and Brenda R. Hemmelgarn

1668 **Temporal Risk Profile for Infectious and Noninfectious Complications of Hemodialysis Access**
Pietro Ravani, Brenda W. Gillespie, Robert Ross Quinn, Jennifer MacRae, Braden Manns, David Mendelssohn, Marcello Tonelli, Brenda Hemmelgarn, Matthew James, Neesh Pannu, Bruce M. Robinson, Xin Zhang, and Ronald Pisoni
• See related editorial by Moist and Al-Jaishi (pp. 1509–1511).

1678 ★ **Nephrologist Caseload and Hemodialysis Patient Survival in an Urban Cohort**
Kevin T. Harley, Elani Streja, Connie M. Rhee, Miklos Z. Molnar, Csaba P. Kovesdy, Alpesh N. Amin, and Kamyar Kalantar-Zadeh

CLINICAL RESEARCH

1689 ★ **Mycophenolate Mofetil versus Cyclosporin A in Children with Frequently Relapsing Nephrotic Syndrome**
Jutta Gellermann, Lutz Weber, Lars Pape, Burkhard Tönshoff, Peter Hoyer, and Uwe Querfeld, for the Gesellschaft für Pädiatrische Nephrologie (GPN)

1698 **Impaired Direct Priming of CD8 T Cells by Donor-Derived Cytomegalovirus Following Kidney Transplantation**
Shazia Shabir, Baksho Kaul, Annette Pachnio, Gemma D. Banham, Helen Smith, Sourabh Chand, Seema Jham, Lorraine Harper, Simon Ball, Afsar Rahbar, Cecilia Söderberg-Nauclér, Paul Moss, and Richard Borrow