

**This Month's Highlights**  
**ASN News**

**UP FRONT MATTERS**

**Editorials**

- 413 **World Kidney Day 2008: Think Globally, Speak Locally**  
Connie L. Davis, William E. Harmon, Jonathan Himmelfarb, Thomas Hostetter, Neil Powe, Paul Smedberg, Lynda A. Szczech, and Peter S. Aronson for the American Society of Nephrology Public Policy Board

- 416 **ARPKD and ADPKD: First Cousins or More Distant Relatives?**  
Jun-ya Kaimori and Gregory G. Germino  
• See related article by Kim et al. (pp. 455–468).

- 418 **Too Much of a Good Thing: Does Nek8 Link Polycystic Kidney Disease and Nephronophthisis?**  
Yiqiang Cai and Stefan Somlo  
• See related articles by Sohara et al. (pp. 469–476) and Otto et al. (pp. 587–592).

- 420 **Naturally Too Sympathetic to a Bad Diet?**  
Roger W. Brown  
• See related article by Salem et al. (pp. 600–614).

- 422 **Author Misrepresentation in the Submission of Redundant Papers**  
Qais Al-Awqati and Eric G. Neilson

**Clinical Commentary**

- 424 **The Utility of the Transtubular Potassium Gradient in the Evaluation of Hyperkalemia**  
Michael J. Choi and Fuad N. Ziyadeh

**JASN Debates**

- 427 **Resolved: Normal Glomeruli Filter Nephrotic Levels of Albumin**  
Wayne D. Comper, Börje Haraldsson, and William M. Deen

**Brief Review**

- 433 **The Role of Inflammatory Cytokines in Diabetic Nephropathy**  
Juan F. Navarro-González and Carmen Mora-Fernández

**Special Article**

- 443 **2007 Homer W. Smith Award: Control of Terminal Differentiation in Epithelia**  
Qais Al-Awqati

**Pathophysiology of the Renal Biopsy**

- 450 **Familial Nephropathy and Multiple Exostoses With *Exostosin-1 (EXT1)* Gene Mutation**  
Ian S. D. Roberts and Jonathan M. Gleadle

**BASIC RESEARCH**

- 455 ★ **Fibrocystin/Polyductin Modulates Renal Tubular Formation by Regulating Polycystin-2 Expression and Function**  
Ingyu Kim, Yulong Fu, Kwokyin Hui, Gilbert Moeckel, Weiyi Mai, Cunxi Li, Dan Liang, Ping Zhao, Jie Ma, Xing-Zhen Chen, Alfred L. George, Jr., Robert J. Coffey, Zhong-Ping Feng, and Guanqing Wu  
• See related editorial by Kaimori and Germino (pp. 416–418).

- 469 **Nek8 Regulates the Expression and Localization of Polycystin-1 and Polycystin-2**  
Eisei Sohara, Ying Luo, Jingjing Zhang, Danielle K. Manning, David R. Beier, and Jing Zhou  
• See related editorial by Cai and Somlo (pp. 418–420).

- 477 ★ **T-bet Deficiency Attenuates Renal Injury in Experimental Crescentic Glomerulonephritis**  
Richard K. S. Phoon, A. Richard Kitching, Dragana Odobasic, Lynelle K. Jones, Timothy J. Semple, and Stephen R. Holdsworth

- 486 HIF Activation Protects From Acute Kidney Injury**  
Alexander Weidemann, Wanja M. Bernhardt, Bernd Klanke, Christoph Daniel, Björn Buchholz, Valentina Câmpean, Kerstin Amann, Christina Warnecke, Michael S. Wiesener, Kai-Uwe Eckardt, and Carsten Willam
- 495 ★ Podocytes Contribute to the Formation of Glomerular Crescents**  
Paul S. Thorne, Michael Ho, Vera Eremina, Yoshikazu Sado, and Susan Quaggin
- 503 tPA Protects Renal Interstitial Fibroblasts and Myofibroblasts from Apoptosis**  
Kebin Hu, Ling Lin, Xiaoyue Tan, Junwei Yang, Guojun Bu, Wendy M. Mars, and Youhua Liu
- 515 Intrarenal Antigens Activate CD4<sup>+</sup> Cells via Co-stimulatory Signals from Dendritic Cells**  
Kristy L. Edgton, Joshua Y. Kausman, Ming Li, Kim O'Sullivan, Cecilia Lo, Paul Hutchinson, Hideo Yagita, Stephen R. Holdsworth, and A. Richard Kitching
- 527 Renal Dendritic Cells Stimulate IL-10 Production and Attenuate Nephrotoxic Nephritis**  
Juliane Scholz, Veronika Lukacs-Kornek, Daniel R. Engel, Sabine Specht, Eva Kiss, Frank Eitner, Jürgen Floege, Herrmann-Josef Groene, and Christian Kurts
- 538 Acute Rejection Modulates Gene Expression in the Collecting Duct**  
Bayram Edemir, Stefan Reuter, Reka Borgulya, Rita Schröter, Ute Neugebauer, Gert Gabriëls, and Eberhard Schlatter
- 547 The Local and Systemic Inflammatory Transcriptome after Acute Kidney Injury**  
Dmitry N. Grigoryev, Manchang Liu, Heitham T. Hassoun, Chris Cheadle, Kathleen C. Barnes, and Hamid Rabb
- 559 Products of 12/15-Lipoxygenase Upregulate the Angiotensin II Receptor**  
Zhong-Gao Xu, Hang Yuan, Linda Lanting, Shu-Lian Li, Mei Wang, Narkunaraja Shanmugam, Mitsuo Kato, Sharon G. Adler, Marpadga A. Reddy, and Rama Natarajan

### CLINICAL EPIDEMIOLOGY

- 571 ★ Tight Blood Glucose Control Is Renoprotective in Critically Ill Patients**  
Miet Schetz, Ilse Vanhorebeek, Pieter J. Wouters, Alexander Wilmer, and Greet Van den Berghe
- 579 ★ Association of Mild to Moderate Kidney Dysfunction and Coronary Calcification**  
Joachim H. Ix, Ronit Katz, Bryan Kestenbaum, Linda F. Fried, Holly Kramer, Catherine Stehman-Breen, and Michael G. Shlipak

### CLINICAL RESEARCH

- 587 NEK8 Mutations Affect Ciliary and Centrosomal Localization and May Cause Nephronophthisis**  
Edgar A. Otto, Melissa L. Trapp, Ulla T. Schultheiss, Juliana Helou, Lynne M. Quarmby, and Friedhelm Hildebrandt  
• See related editorial by Cai and Somlo (pp. 418–420).
- 593 Oxidative Stress and Inflammation Are Associated with Adiposity in Moderate to Severe CKD**  
Luis F. Ramos, Ayumi Shintani, T. Alp Ikizler, and Jonathan Himmelfarb
- 600 ★ Chromogranin A Polymorphisms Are Associated With Hypertensive Renal Disease**  
Rany M. Salem, Peter E. Cadman, Yuqing Chen, Fangwen Rao, Gen Wen, Bruce A. Hamilton, Brinda K. Rana, Douglas W. Smith, Mats Stridsberg, Harry J. Ward, Manjula Mahata, Sushi K. Mahata, Donald W. Bowden, Pamela J. Hicks, Barry I. Freedman, Nicholas J. Schork, and Daniel T. O'Connor  
• See related editorial by Brown (pp. 420–422).
- 615 Postprandial Mineral Metabolism and Secondary Hyperparathyroidism in Early CKD**  
Tamara Isakova, Orlando Gutierrez, Anand Shah, Lorraine Castaldo, Julie Holmes, Hang Lee, and Myles Wolf
- 624 Decreased Maximal Aerobic Capacity in Pediatric Chronic Kidney Disease**  
Donald J. Weaver, Jr., Thomas R. Kimball, Timothy Knilans, Wayne Mays, Sandra K. Knecht, Yvette M. Gerdes, Sandy Witt, Betty J. Glascock, Janis Kartal, Philip Khoury, and Mark M. Mitsnefes
- 631 Sirolimus Reduces Polycystic Liver Volume in ADPKD Patients**  
Qi Qian, Hui Du, Bernard F. King, Sumedha Kumar, Patrick G. Dean, Fernando G. Cosio, and Vicente E. Torres
- 639 The Complement Factor H R1210C Mutation Is Associated With Atypical Hemolytic Uremic Syndrome**  
Ruben Martinez-Barricarte, Gaia Pianetti, Ruxandra Gautard, Joachim Misselwitz, Lisa Strain, Veronique Fremeaux-Bacchi, Christine Skerka, Peter F. Zipfel, Tim Goodship, Marina Noris, Giuseppe Remuzzi, and Santiago Rodriguez de Cordoba on behalf of the European Working Party on the Genetics of HUS

### 647 RETRACTION