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. Szczek, 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

433 Brief Review

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

443 Special Article

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

450 Pathophysiology of the Renal Biopsy

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, Weiji 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

Red star ★ indicates articles that are features in This Month’s Highlights.
HIF Activation Protects From Acute Kidney Injury
Alexander Weidemann, Wanja M. Bernhardt, Bernd Klanke, Christoph Daniel, Björn Buchholz, Valentina Cämpean, Kerstin Amann, Christina Wannecke, Michael S. Wiesener, Kai-Uwe Eckardt, and Carsten Willam

Podocytes Contribute to the Formation of Glomerular Crescents
Paul S. Thorner, Michael Ho, Vera Eremina, Yoshikazu Sado, and Susan Quaggin

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

Intrarenal Antigens Activate CD4+ Cells via Co-stimulatory Signals from Dendritic Cells
Kristy L. Edgetton, Joshua Y. Kausman, Ming Li, Kim O'Sullivan, Cecilio Lo, Paul Hutchinson, Hideo Yagita, Stephen R. Holdsworth, and A. Richard Kitching

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

Acute Rejection Modulates Gene Expression in the Collecting Duct
Bayram Edemir, Stefan Reuter, Reka Borgulya, Rita Schröter, Ute Neugebauer, Gert Gabriëls, and Eberhard Schlatter

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

Products of 12/15-Lipoxygenase Upregulate the Angiotensin II Receptor

Tight Blood Glucose Control Is Renoprotective in Critically Ill Patients
Miet Schetz, Ilse Vanhorebeek, Pieter J. Wouters, Alexander Wilmer, and Greet Van den Berghe

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

Tight Blood Glucose Control Is Renoprotective in Critically Ill Patients
Miet Schetz, Ilse Vanhorebeek, Pieter J. Wouters, Alexander Wilmer, and Greet Van den Berghe

Acute Rejection Modulates Gene Expression in the Collecting Duct
Bayram Edemir, Stefan Reuter, Reka Borgulya, Rita Schröter, Ute Neugebauer, Gert Gabriëls, and Eberhard Schlatter

Products of 12/15-Lipoxygenase Upregulate the Angiotensin II Receptor

Clinical Epidemiology

Clinical Research

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

Oxidative Stress and Inflammation Are Associated with Adiposity in Moderate to Severe CKD
Luis F. Ramos, Ayumi Shintani, T. Alp Ikizler, and Jonathan Himmelfarb

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

Postprandial Mineral Metabolism and Secondary Hyperparathyroidism in Early CKD
Tama Isakova, Orlando Gutierrez, Anand Shah, Lorraine Castaldo, Julie Holmes, Hang Lee, and Myles Wolf

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

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

The Complement Factor H R1210C Mutation Is Associated With Atypical Hemolytic Uremic Syndrome
Ruben Martinez-Barricarte, Gaia Pianetti, Ruxandra Gautard, Joachim Missewitz, 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

Retraction