This Month’s Highlights

UP FRONT MATTERS

Editorials
2035 Stressed-out Podocytes in Diabetes?
Robert F. Spurney and Thomas M. Coffman
• See related article by Zheng et al. (pp. 2077–2085).

2037 Statin Use Prolongs Patient Survival after Renal Transplantation
Eberhard Ritz and Christoph Wanner
• See related article by Wiesbauer et al. (pp. 2211–2218).

2040 Is the ER Stressed out in Diabetic Kidney Disease?
Frank C. Brosius III and Randal J. Kaufman
• See related article by Lindenmeyer (pp. 2225–2236).

Occasional Observation
2043 Dicer Cuts the Kidney
J.J. David Ho and Philip A. Marsden
• See related articles by Ho et al. (pp. 2069–2075), Harvey et al. (pp. 2150–2158), and Shi et al. (p. 2159–2169).

Clinical Commentary
2047 Hypertension-Associated Kidney Disease: Perhaps no More
Barry I. Freedman and John R. Sedor

Brief Review
2052 X Inactivation, Female Mosaicism, and Sex Differences in Renal Diseases
Barbara R. Migeon

Special Article
2060 Epigenetics, Development, and the Kidney
Gregory R. Dressler

BRIEF COMMUNICATION
2069 Podocyte-Specific Loss of Functional MicroRNAs Leads to Rapid Glomerular and Tubular Injury
Jacqueline Ho, Kar Hui Ng, Seymour Rosen, Ales Dostal, Richard I. Gregory, and Jordan A. Keddie
• See related Occasional Observation by Ho and Marsden (pp. 2043–2046).

BASIC RESEARCH
2077 Podocyte-Specific Overexpression of the Antioxidant Metallothionein Reduces Diabetic Nephropathy
Shirong Zheng, Edward C. Carlson, Lu Yang, Patricia M. Kralik, Yun Huang, and Paul N. Epstein
• See related editorial by Spurney and Coffman (pp. 2035–2037).

2086 Inhibition of Renal Rho Kinase Attenuates Ischemia/Reperfusion-Induced Injury
Jai Prakash, Martin H. de Borst, Marie Lacombe, Frank Opdam, Pieter A. Klok, Harry van Goor, Dirk K.F. Meijer, Frits Moolenaar, Klaas Poelstra, and Robbert J. Kok

2098 CTGF Inhibits BMP-7 Signaling in Diabetic Nephropathy
Tri Q. Nguyen, Peggy Roestenberg, Frans A. van Nieuwenhoven, Niels Bovenschen, Zeke Li, Leon Xu, Noelynn Oliver, Jan Aten, Jaap A. Joles, Cecilia Vial, Enrique Brandan, Karen M. Lyons, and Roel Goldschesmeding

2108 Gq-Dependent Signaling Upregulates COX2 in Glomerular Podocytes
Liming Wang, Patrick J. Flannery, Paul B. Rosenberg, Timothy A. Fields, and Robert F. Spurney
Inhibition of SNAT2 by Metabolic Acidosis Enhances Proteolysis in Skeletal Muscle
Kate Evans, Zeerak Nasim, Jeremy Brown, Emma Clapp, Amin Amin, Bin Yang, Terence P. Herbert, and Alan Bevington

CD19+/CD5+ B Cells in Primary IgA Nephropathy
He Yuling, Xiao Ruijing, Ji Xiang, Jiang Yanping, Chen Lang, Li Li, Yang Dingping, Tan Xinti, Liu Jingyi, Tang Zhiqin, Bi Yongyi, Xia Bing, Wu Xinxing, Jin Youxin, David A. Fox, Steven K. Lundy, Ding Guohua, and Tan Jinquan

Hemopexin Induces Nephrin-Dependent Reorganization of the Actin Cytoskeleton in Podocytes

Podocyte-Specific Deletion of Dicer Alters Cytoskeletal Dynamics and Causes Glomerular Disease
Scott J. Harvey, George Jarad, Jeanette Cunningham, Seth Goldberg, Bernhard Schemer, Brian D. Harfe, Michael T. McManus, Thomas Benzing, and Jeffrey H. Miner
See related Occasional Observation by Ho and Marsden (pp. 2043–2046).

Podocyte-Selective Deletion of Dicer Induces Proteinuria and Glomerulosclerosis
Shaolin Shi, Liping Yu, Celine Chiu, Yezhou Sun, Jiu Chen, Greg Khitrov, Matthias Merkenschlager, Lawrence B. Holzman, Weijia Zhang, Peter Mundel, and Erwin P. Bottinger
See related Occasional Observation by Ho and Marsden (pp. 2043–2046).

Deubiquitylation Regulates Activation and Proteolytic Cleavage of ENaC
Dorotheé Ruffieux-Daidié, Olivier Poirot, Sheerazed Boulkroun, François Verrey, Stephan Kellenberger, and Olivier Staub

Podocyte-Derived BMP7 Is Critical for Nephron Development
Itsuro Kazama, Zhen Mahoney, Jeffrey H. Miner, Daniel Graf, Aris N. Economides, and Jordan A. Kreidberg

Serum Alkaline Phosphatase Predicts Mortality among Maintenance Hemodialysis Patients
Deborah L. Regidor, Csaba P. Kovesdy, Rajnish Mehrotra, Mehdi Rambod, Jennie Jing, Charles J. McAllister, David Van Wyck, Joel D. Kopple, and Kamyar Kalantar-Zadeh

Association of Incident Gout and Mortality in Dialysis Patients
Scott D. Cohen, Paul L. Kimmel, Robert Neff, Lawrence Agodoa, and Kevin C. Abbott

Statin Use Is Associated with Prolonged Survival of Renal Transplant Recipients
Franz Wiesbauer, Georg Heinze, Christa Mitterbauer, Franz Hamonconcourt, Walter H. Hörl, and Rainer Oberbauer
See related editorial by Ritz and Wanner (pp. 2037–2040).

Fidelity and Evolution of Recurrent FSGS in Renal Allografts
Daphne H.T. Ijpeelaar, Alton B. Farris, Natascha Goemaere, Kerstin Amann, Roel Goldschmeding, Tri Q. Nguyen, Evan Farkash, Marius C. van den Heuvel, Emile de Heer, Jan A. Bruijn, Robert B. Colvin, and Ingeborg M. Bajema

Proteinuria and Hyperglycemia Induce Endoplasmic Reticulum Stress
Maja T. Lindenmeyer, Maria P. Rastaldi, Masami Ikehata, Matthias A. Neussier, Matthias Kretzler, Clemens D. Cohen, and Detlef Schlöndorff
See related editorial by Brosius and Kaufman (pp. 2040–2042).

Pathology, Clinical Presentations, and Outcomes of C1q Nephropathy
Alenka Vizjak, Dušan Ferluga, Mojca Rožič, Anastazija Hvala, Jelka Lindič, Tanja Kersnik Levart, Vesna Jurčič, and J. Charles Jennette