

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. Kreidberg
• 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 Goldschmeding
- 2108 **Gq-Dependent Signaling Upregulates COX2 in Glomerular Podocytes**
Liming Wang, Patrick J. Flannery, Paul B. Rosenberg, Timothy A. Fields, and Robert F. Spurney

2119 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

2130 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 Zhiqing, Bi Yongyi, Xia Bing, Wu Xinxing, Jin Youxin, David A. Fox, Steven K. Lundy, Ding Guohua, and Tan Jinquan

2140 Hemopexin Induces Nephrin-Dependent Reorganization of the Actin Cytoskeleton in Podocytes

Rachel Lennon, Anurag Singh, Gavin I. Welsh, Richard J. Coward, Simon Satchell, Lan Ni, Peter W. Mathieson, Winston W. Bakker, and Moin A. Saleem

2150 Podocyte-Specific Deletion of Dicer Alters Cytoskeletal Dynamics and Causes Glomerular Disease

Scott J. Harvey, George Jarad, Jeanette Cunningham, Seth Goldberg, Bernhard Schermer, Brian D. Harfe, Michael T. McManus, Thomas Benzing, and Jeffrey H. Miner

- See related *Occasional Observation by Ho and Marsden* (pp. 2043–2046).

2159 Podocyte-Selective Deletion of Dicer Induces Proteinuria and Glomerulosclerosis

Shaolin Shi, Liping Yu, Celine Chiu, Yezhou Sun, Jin Chen, Greg Khitrov, Matthias Merckenslager, Lawrence B. Holzman, Weijia Zhang, Peter Mundel, and Erwin P. Bottinger

- See related *Occasional Observation by Ho and Marsden* (pp. 2043–2046).

2170 Deubiquitylation Regulates Activation and Proteolytic Cleavage of ENaC

Dorothee Ruffieux-Daidié, Olivier Poirot, Sheerazed Boulkroun, François Verrey, Stephan Kellenberger, and Olivier Staub

2181 Podocyte-Derived BMP7 Is Critical for Nephron Development

Itsuro Kazama, Zhen Mahoney, Jeffrey H. Miner, Daniel Graf, Aris N. Economides, and Jordan A. Kreidberg

CLINICAL EPIDEMIOLOGY

2193 ★ 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

2204 Association of Incident Gout and Mortality in Dialysis Patients

Scott D. Cohen, Paul L. Kimmel, Robert Neff, Lawrence Agodoa, and Kevin C. Abbott

CLINICAL RESEARCH

2211 ★ Statin Use Is Associated with Prolonged Survival of Renal Transplant Recipients

Franz Wiesbauer, Georg Heinze, Christa Mitterbauer, Franz Harmoncourt, Walter H. Hörl, and Rainer Oberbauer

- See related *editorial by Ritz and Wanner* (pp. 2037–2040).

2219 Fidelity and Evolution of Recurrent FSGS in Renal Allografts

Daphne H.T. Ijpelaar, 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

2225 ★ Proteinuria and Hyperglycemia Induce Endoplasmic Reticulum Stress

Maja T. Lindenmeyer, Maria P. Rastaldi, Masami Ikehata, Matthias A. Neusser, Matthias Kretzler, Clemens D. Cohen, and Detlef Schlöndorff

- See related *editorial by Brosius and Kaufman* (pp. 2040–2042).

2237 ★ Pathology, Clinical Presentations, and Outcomes of C1q Nephropathy

Alenka Vizjak, Dušan Ferluga, Mojca Rožič, Anastazija Hvala, Jelka Lindič, Tanja Kersnik Levart, Vesna Jurčić, and J. Charles Jennette