This Month’s Highlights

UP FRONT MATTERS

Editorials

199 GSK3β Plays Dirty in Acute Kidney Injury
Peter J. Nelson and Lloyd Cantley
See related article by Wang et al. (pp. 284–294).

200 What Drives Cyst Formation in PKD?
Mazdak Bagherie-Lachidan and Helen McNeill
See related article by Nishio et al. (pp. 295–302).

202 Telomere Shortening and Regenerative Capacity after Acute Kidney Injury
Lauren P. Wills and Rick G. Schnellmann
See related article by Westhoff et al. (pp. 327–336).

204 Uromodulin and Translational Medicine: Will the SNPs Bring Zip to Clinical Practice?
John R. Sedor
See related article by Köttgen et al. (pp. 337–344).

207 Allograft Nephrectomy after Transplant Failure: Should It Be Performed in All Patients Returning to Dialysis?
Heidi M. Schaefer and J. Harold Helderman
See related article by Ayus et al. (pp. 374–380).

Clinical Commentary

209 Sorbent Augmented Hemodialysis Systems: Are We There Yet?
James F. Winchester and Claudio Ronco

Brief Review

212 New Insights into Epithelial-Mesenchymal Transition in Kidney Fibrosis
Youhua Liu

Special Article

223 Reassessment of Albumin as a Nutritional Marker in Kidney Disease
Allon N. Friedman and Stephen Z. Fadem

BRIEF COMMUNICATION

231 A Spleen Tyrosine Kinase Inhibitor Reduces the Severity of Established Glomerulonephritis

BASIC RESEARCH

237 Parathyroid Hormone–Related Protein Promotes Epithelial–Mesenchymal Transition
Juan Antonio Ardura, Sandra Rayego-Mateos, David Rámila, Marta Ruiz-Ortega, and Pedro Esbrit

249 Advanced Glycation End-Products Induce Tubular CTGF via TGF-β–Independent Smad3 Signaling
Arthur C.K. Chung, Haiyan Zhang, Yao-Zhong Kong, Jia-Ju Tan, Xiao R. Huang, Jeffrey B. Kopp, and Hui Y. Lan

261 Dietary Fructose Inhibits Intestinal Calcium Absorption and Induces Vitamin D Insufficiency in CKD
Veronique Douard, Abbas Asgerally, Yves Sabbagh, Shozo Sugiura, Sue A. Shapses, Donatella Casiriola, and Ronaldo P. Ferraris

272 Mitochondrial Autophagy Promotes Cellular Injury in Nephropathic Cystinosis
Poonam Sansanwal, Benedict Yen, William A. Gahl, Yewei Ma, Lihua Ying, Lee-Jun C. Wong, and Minnie M. Sarwal

Red star ★ indicates articles that are features in This Month’s Highlights.
284 GSK3β Promotes Apoptosis after Renal Ischemic Injury
Zhiyong Wang, Andrea Havasi, Jonathan Gall, Ramon Bonegio, Zhijian Li, Haiping Mao, John H. Schwartz, and Steven C. Borkan
• See related editorial by Nelson and Cantley (pp. 199–200).

295 ★ Loss of Oriented Cell Division Does not Initiate Cyst Formation
Saori Nishio, Xin Tian, Anna Rachel Gallagher, Zhiheng Yu, Vishal Patel, Peter Igarashi, and Stefan Somlo
• See related editorial by Bagherie-Lachidan and McNeill (pp. 200–202).

303 Phosphoproteomic Profiling Reveals Vasopressin-Regulated Phosphorylation Sites in Collecting Duct
Amar D. Bansal, Jason D. Hoffert, Trairak Pisitkun, Shelly Hwang, Chung-Lin Chou, Emily S. Boja, Guanghui Wang, and Mark A. Knepper

316 The Ubiquitin-Like Protein FAT10 Mediates NF-κB Activation
Pengfei Gong, Allon Canaan, Bin Wang, Jeremy Leventhal, Alexandra Snyder, Viji Nair, Clemens D. Cohen, Matthias Kretzler, Vivette D’Agati, Sherman Weissman, and Michael J. Ross

327 ★ Telomere Shortening Reduces Regenerative Capacity after Acute Kidney Injury
Jens H. Westhoff, Carolin Schilhorn, Christoph Jacob, Meike Hümme, Andrea Hartner, Heidi Braun, Christine Kryzer, Chunfang Wang, Thomas von Zglinicki, Bettina Kränzlin, Norbert Gretz, and Anette Melk
• See related editorial by Wills and Schnellmann (pp. 202–204).

CLINICAL EPIDEMIOLOGY
337 ★ Uromodulin Levels Associate with a Common UMOD Variant and Risk for Incident CKD
Anna Köttgen, Shih-Jen Hwang, Martin G. Larson, Jennifer E. Van Eyk, Qin Fu, Emelia J. Benjamin, Abbas Dehghan, Nicole L. Glazer, W.H. Linda Kao, Tamara B. Harris, Vilmundur Gudnason, Michael G. Shlipak, Qiong Yang, Josef Coresh, Daniel Levy, and Caroline S. Fox
• See related editorial by Sedor (pp. 204–206).

345 ★ Acute Kidney Injury Associates with Increased Long-Term Mortality
Jean-Philippe Lafrance and Donald R. Miller

CLINICAL RESEARCH
353 Cholecalciferol Supplementation Alters Calcitriol-Responsive Monocyte Proteins and Decreases Inflammatory Cytokines in ESRD
Jason R. Stubbs, Arun Idiculla, Joyce Slusser, Rochelle Menard, and L. Darryl Quarles

362 Molecular Mechanisms of Chronic Kidney Transplant Rejection via Large-Scale Proteogenomic Analysis of Tissue Biopsies
Aleksey Nakorchevsky, Johannes A. Hewel, Sunil M. Kurian, Tony S. Mondala, Daniel Campbell, Steve R. Head, Christopher L. Marsh, John R. Yates, III, and Daniel R. Salomon

374 ★ Transplant Nephrectomy Improves Survival following a Failed Renal Allograft
Juan Carlos Ayus, Steven G. Achinger, Shuko Lee, Mohamed H. Sayegh, and Alan S. Go
• See related editorial by Schaefer and Helderman (pp. 207–208).