**This Month’s Highlights**

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1339 Kindlin-2: A New Player in Renal Fibrogenesis
Raimund Hirschberg
· See related article by Wei et al. (pp. 1387–1398).

1340 Ultrasonic Stimulation of the Cholinergic Anti-Inflammatory Pathway for Renal Protection
Jean-Michel Hougardy, Claude Sadis, and Alain Le Moine
· See related article by Gigliotti et al. (pp. 1451–1460).

1342 Galectin-3 and New-Onset CKD: Marker or Mediator?
Pietro Ravani and Brendan J. Barrett
· See related article by O’Seaghdha et al. (pp. 1470–1477).

1344 APOL1 and Progression of Nondiabetic Nephropathy
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· See related article by Foster et al. (pp. 1484–1491).

**Brief Reviews**

1347 Human Kidney Cell Reprogramming: Applications for Disease Modeling and Personalized Medicine
Adam C. O’Neill and Sharon D. Ricardo

1357 The Pathogenesis of Lupus Nephritis
Maciej Lech and Hans-Joachim Anders

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1367 Has the Yearly Increase in the Renal Replacement Therapy Population Ended?
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**BRIEF COMMUNICATIONS**

1371 Estimating Renal Survival Using the ANCA-Associated GN Classification
Marc Hilhorst, Benjamin Wilde, Peter van Breda Vriesman, Pieter van Paassen, and Jan Willem Cohen Tervaert, for the Limburg Renal Registry

1376 Genomic Biomarkers Correlate with HLA-Identical Renal Transplant Tolerance
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**BASIC RESEARCH**

1387 Kindlin-2 Mediates Activation of TGF-β/Smad Signaling and Renal Fibrosis
Xiaofan Wei, Yang Xia, Feng Li, Yan Tang, Jing Nie, Youhua Liu, Zhanmei Zhou, Hongquan Zhang, and Fan Fan Hou
· See related editorial by Hirschberg (pp. 1339–1340).

1399 Wnt4/β-Catenin Signaling in Medullary Kidney Myofibroblasts
Derek P. DiRocco, Akio Kobayashi, Makoto M. Taketo, Andrew P. McMahon, and Benjamin D. Humphreys

1413 Ouabain Protects against Shiga Toxin–Triggered Apoptosis by Reversing the Imbalance between Bax and Bcl-xL
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1424 Direct Transcriptional Reprogramming of Adult Cells to Embryonic Nephron Progenitors
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1435 Cdc42 Deficiency Causes Ciliary Abnormalities and Cystic Kidneys
Soo Young Choi, Maria F. Chacon-Heszele, Liwei Huang, Sarah McKenna, F. Perry Wilson, Xiaofeng Zuo, and Joshua H. Lipschutz

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1451 Ultrasound Prevents Renal Ischemia-Reperfusion Injury by Stimulating the Splenic Cholinergic Anti-Inflammatory Pathway
Joseph C. Gigliotti, Liping Huang, Hong Ye, Amandeep Bajwa, Kryt Chattrabhuti, Sangju Lee, Alexander L. Klibanov, Kambiz Kalantari, Diane L. Rosin, and Mark D. Okusa
*See related editorial by Hougardy et al. (pp. 1340–1342).*

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1461 Temporal Trends in Fracture Rates and Postdischarge Outcomes among Hemodialysis Patients
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1470 Elevated Galectin-3 Precedes the Development of CKD
Conall M. O’Séaghdha, Shih-Jen Hwang, Jennifer E. Ho, Ramachandran S. Vasan, Daniel Levy, and Caroline S. Fox
*See related editorial by Ravani and Barrett (pp. 1342–1344).*

1478 Medical Costs of CKD in the Medicare Population
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1484 APOL1 Variants Associate with Increased Risk of CKD among African Americans
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*See related editorial by Palmer and Freedman (pp. 1344–1346).*

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1493 Associations of Frequency and Duration of Patient-Doctor Contact in Hemodialysis Facilities with Mortality
Takehiko Kawaguchi, Angelo Karaboyas, Bruce M. Robinson, Yun Li, Shunichi Fukuhara, Brian A. Bieber, Hugh C. Rayner, Vittorio E. Andreucci, Ronald L. Pisoni, Friedrich K. Port, Hal Morgenstern, Tadao Akizawa, and Rajiv Saran