This Month’s Highlights
ASN News

UP FRONT MATTERS

Editorials
2619 The Fructose Nation
Eric G. Neilson
See related article by Reungjui et al. (pp. 2724–2731).

2621 A New Approach to Idiopathic Nephrotic Syndrome
Joshua Y. Kausman and A. Richard Kitching
See related article by Sellier-Leclerc et al. (pp 2732–2739).

Clinical Commentary
2623 Glycemic Control and Critical Illness: Is the Kidney Involved?
Ravindra L. Mehta

Brief Reviews
2628 Dendritic Cells in the Kidney
Rohan John and Peter J. Nelson

2636 New Insights into Nephrogenic Systemic Fibrosis
Sundararaman Swaminathan and Sudhir V. Shah

Special Article
2644 End-Stage Renal Disease in the United States: An Update from the United States Renal Data System
Robert N. Foley and Allan J. Collins

Science in Renal Medicine
2649 Mechanism of Hypokalemia in Magnesium Deficiency
Chou-Long Huang and Elizabeth Kuo

BASIC RESEARCH
2653 Mammalian Target of Rapamycin Inhibition Halts the Progression of Proteinuria in a Rat Model of Reduced Renal Mass
Fritz Diekmann, Jordi Rovira, Joaquim Carreras, Edgar M. Arellano, Elisenda Bahón-Maneus, María José Ramirez-Bajo, Alex Gutiérrez-Dalmau, Mercè Brunet, and Josep M. Campistol

2661 Reduced Expression of Insulin Receptors in the Kidneys of Insulin-Resistant Rats
Swasti Tiwari, Veerendra K.M. Halagappa, Shahla Riazi, Xinmin Hu, and Carolyn A. Ecelbarger

2672 Origin and Fate of Pendrin-Positive Intercalated Cells in Developing Mouse Kidney
Hyun-Kuk Song, Wan-Young Kim, Hyun-Wook Lee, Eun-Young Park, Ki-Hwan Han, Soren Nielsen, Kirsten M. Madsen, and Jin Kim

2683 Parathyroid Hormone Regulates Fibroblast Growth Factor-23 in a Mouse Model of Primary Hyperparathyroidism
Takehisa Kawata, Yasuo Imanishi, Keisuke Kobayashi, Takami Miki, Andrew Arnold, Masaaki Inaba, and Yoshiki Nishizawa

2689 Smad7 Transgene Attenuates Peritoneal Fibrosis in Uremic Rats Treated with Peritoneal Dialysis
Hong Guo, Joseph C.K. Leung, Man Fai Lam, Loretta Y.Y. Chan, Anita W.L. Tsang, Hui Yao Lan, and Kar Neng Lai

2704 Shedding of the Urinary Biomarker Kidney Injury Molecule-1 (KIM-1) Is Regulated by MAP Kinases and Juxtamembrane Region
Zhiwei Zhang, Benjamin D. Humphreys, and Joseph V. Bonventre

Red star (*) indicates articles that are features in This Month’s Highlights.
Role of Altered Renal Lipid Metabolism in the Development of Renal Injury Induced by a High-Fat Diet
Shinji Kume, Takashi Uzu, Shin-ichi Araki, Toshiro Sugimoto, Keiji Ishiki, Masami Chin-Kanasaki, Masayoshi Sakaguchi, Naoto Kubota, Yasuo Terauchi, Takashi Kadowaki, Masakazu Haneda, Atsunori Kashiwagi, and Daisuke Koya

Thiazide Diuretics Exacerbate Fructose-Induced Metabolic Syndrome
Sirirat Reungjui, Carlos A. Roncal, Wei Mu, Titte R. Srinivas, Dhavee Sirivongs, Richard J. Johnson, and Takahiko Nakagawa
See related editorial by Neilson (pp. 2619–2621)

A Humanized Mouse Model of Idiopathic Nephrotic Syndrome Suggests a Pathogenic Role for Immature Cells
Anne-Laure Sellier-Leclerc, Arnaud Duval, Stéphanie Riveron, Marie-Alice Macher, Georges Deschenes, Chantal Loirat, Marie-Christine Verpont, Michel Peuchmaur, Pierre Ronco, Renato C. Monteiro, and Elie Haddad
See related editorial by Kausman and Kitching (pp. 2621–2622)

Race and Mortality after Acute Renal Failure
Sushrut S. Waikar, Gary C. Curhan, John Z. Ayanian, MPP, and Glenn M. Chertow

Evaluation of the Modification of Diet in Renal Disease Study Equation in a Large Diverse Population
Lesley A. Stevens, Josef Coresh, Harold I. Feldman, Tom Greene, James P. Lash, Robert G. Nelson, Mahboob Rahman, Amy E. Deysker, Yaping (Lucy) Zhang, Christopher H. Schmid, and Andrew S. Levey

Age Affects Outcomes in Chronic Kidney Disease
Ann M. O’Hare, Andy I. Choi, Daniel Bertenthal, Peter Bacchetti, Amit X. Garg, James S. Kaufman, Louise C. Walter, Kala M. Mehta, Michael A. Steinman, Michael Allon, William M. McClellan, and C. Seth Landefeld

Chronic Kidney Disease, Cardiovascular Events, and the Effects of Perindopril-Based Blood Pressure Lowering: Data from the PROGRESS Study
Vlado Perkovic, Toshiharu Ninomiya, Hisatomi Arima, Martin Gallagher, Meg Jardine, Alan Cass, Bruce Neal, Stephen MacMahon, and John Chalmers

COQ2 Nephropathy: A Newly Described Inherited Mitochondriopathy with Primary Renal Involvement
Francesca Diomedi-Camassei, Silvia Di Giandomenico, Filippo M. Santorelli, Gianluca Caridi, Fiorella Piemonte, Giovanni Montini, Gian Marco Ghiiggeri, Luisa Muré, Laura Barisoni, Anna Pastore, Andrea Onetti Muda, Maria Luisa Valente, Enrico Bertini, and Francesco Emma

Chronic Peritoneal Dialysis in the United States: Declining Utilization Despite Improving Outcomes
Rajnish Mehrotra, Dulcie Kermah, Linda Fried, Kamyr Kalantar-Zadeh, Osman Khawar, Keith Norris, and Allen Nissenson

Evidence of Oligogenic Inheritance in Nephronophthisis
Julia Hoefele, Matthias T.F. Wolf, John F. O’Toole, Edgar A. Otto, Ulla Schultheiss, Georges Déschênes, Massimo Attanasio, Boris Utsch, Corinne Antignac, and Friedhelm Hildebrandt