This Month’s Highlights

UP FRONT MATTERS

Editorials
1041 Just Add Water
Dan Negoianu and Stanley Goldfarb
• See related article by Berl (pp. 1076–1078).

1043 Integrins, Extracellular Matrix, and Terminal Differentiation of Renal Epithelial Cells
Ambra Pozzi and Roy Zent
• See related article by Vijayakumar et al. (pp. 1079–1091).

1045 Notch Signaling: A Common Pathway of Injury in Podocytopathies?
Laura Barisoni
• See related article by Waters et al. (pp. 1139–1157).

1046 Dialysis Dosage in Acute Kidney Injury: Still a Conundrum?
Ravindra L. Mehta and Josée Bouchard
• See related article by Tolwani et al. (pp. 1233–1238).

Occasional Observations
1049 Baumol’s Curse on Medicine
Eric G. Neilson

Clinical Commentary
1054 When Is It Appropriate to Use Vasopressin Receptor Antagonists?
Ruediger W. Lehrich and Arthur Greenberg

JASN Debates
1059 Resolved: Being Fat Is Good for Dialysis Patients: The Godzilla Effect
T. Alp Ikizler, Peter Stenvinkel, and Bengt Lindholm

Brief Review
1065 Lipid Abnormalities and Cardiovascular Risk in Renal Disease
Eberhard Ritz and Christoph Wanner

Special Article
1071 2007 Young Investigator Award: TRP’ing into a New Era for Glomerular Disease
Michelle P. Winn

Science in Renal Medicine
1076 Impact of Solute Intake on Urine Flow and Water Excretion
Tomas Berl
• See related editorial by Negoianu and Goldfarb (pp. 1041–1043).

BASIC RESEARCH
1079 ★ Role of Integrins in the Assembly and Function of Hensin in Intercalated Cells
Soundarapandian Vijayakumar, Hediye Erdjument-Bromage, Paul Tempst, and Qais Al-Awqati
• See related editorial by Pozzi and Zent (pp. 1043–1044).

1092 The Mechanism of Phosphorus as a Cardiovascular Risk Factor in CKD
Suresh Mathew, Kimberly S. Tustison, Toshifumi Sugatani, Lala R. Chaudhary, Leonard Rifas, and Keith A. Hruska

1106 IL-6/IL-6R Axis Plays a Critical Role in Acute Kidney Injury
Yael Nechemia-Arbel, Daniel Barkan, Galina Pizov, Anat Shriki, Stefan Rose-John, Ethan Galun, and Jonathan H. Axelrod

Red star ★ indicates articles that are features in This Month’s Highlights.
1116 ★ Tribbles-1 as a Novel Biomarker of Chronic Antibody-Mediated Rejection
Joanna Ashton-Chess, Magali Giral, Michael Mengel, Karine Renaudin, Yohann Foucher, Wilfried Gwinner, Christophe Braud, Emilie Dugast, Thibaut Quillard, Pamela Thebault, Elise Chiffoleau, Cécile Braudeau, Béatrice Charrée, Jean-Paul Soulillou, and Sophie Brouard

1128 ★ LRRC50, a Conserved Ciliary Protein Implicated in Polycystic Kidney Disease
Ellen van Rooijen, Rachel H. Giles, Emile E. Voest, Carina van Rooijen, Stefan Schulte-Merker, and Freek J. van Eeden

1139 Ectopic Notch Activation in Developing Podocytes Causes Glomerulosclerosis
Aoife M. Waters, Megan Y.J. Wu, Tuncer Onay, Jacob Scutaru, Ju Liu, Corrinne G. Lobe, Susan E. Quaggin, and Tino D. Picone • See related editorial by Barisoni (pp. 1045–1046).

1158 Complement-Mediated Dysfunction of Glomerular Filtration Barrier Accelerates Progressive Renal Injury
Mauro Abbate, Carla Zoja, Daniela Corna, Daniela Rottoli, Cristina Zanchi, Nadia Azzollini, Susanna Tomasoni, Silvia Berlingerio, Marina Noris, Marina Morigi, and Giuseppe Remuzzi

1168 Renin-Angiotensin System Blockade Is Renoprotective in Immune Complex–Mediated Glomerulonephritis
Shunhua Guo, Jolanta Kowalewska, Tomasz A. Wietecha, Masayuki Iyoda, Li Wang, Kenneth Yi, Min Spencer, Miriam Banas, Sandra Alexandrescu, Kelly L. Hudkins, and Charles E. Alpers

1177 ★ CXCL9, but not CXCL10, Promotes CXCR3-Dependent Immune-Mediated Kidney Disease
Julia Menke, Geraldine C. Zeller, Eriya Kikawada, Terry K. Means, Xiao R. Huang, Han Y. Lan, Bao Lu, Joshua Farber, Andrew D. Luster, and Vicki R. Kelley

1197 Oxalobacter formigenes May Reduce the Risk of Calcium Oxalate Kidney Stones
David W. Kaufman, Judith P. Kelly, Gary C. Curhan, Theresa E. Anderson, Stephen P. Dretler, Glenn M. Preminger, and David R. Cave

1204 ★ Uric Acid and Incident Kidney Disease in the Community
Daniel E. Weiner, Hocine Tighiouart, Essam F. Elsayed, John L. Griffith, Deeb N. Salem, and Andrew S. Levey

CLINICAL RESEARCH

1213 Role of Remission Clinics in the Longitudinal Treatment of CKD
Piero Ruggenenti, Elena Perticucci, Paolo Cravedi, Vincenzo Gambra, Marco Costantini, Sanjib Kumar Sharma, Annalisa Perna, and Giuseppe Remuzzi

1225 ★ Long-term Efficacy and Safety of a Calcineurin Inhibitor-free Regimen in Live-Donor Renal Transplant Recipients
Ahmed F. Hamdy, Mohamed A. Bakr, and Mohamed A. Ghoneim

1233 Standard versus High-Dose CVVHDF for ICU-Related Acute Renal Failure

1239 A Bimodal Association of Vitamin D Levels and Vascular Disease in Children on Dialysis
Rukshana Shroff, Martyn Egerton, Michala Bridel, Vanita Shah, Ann E. Donald, Tim J. Cole, Melanie P. Hiorns, John E. Deanfield, and Lesley Rees

CLINICAL EPIDEMIOLOGY

1191 ★ Systolic Dysfunction Portends Increased Mortality among Those Waiting for Renal Transplant
Angelo M. de Mattos, Andrew Siedlecki, Robert S. Gaston, Gilbert J. Perry, Bruce A. Julian, Clifton E. Kew II, Mark H. Deierhoi, Carlton Young, John J. Curtis, and Ami E. Iskandrian