

This Month's Highlights

UP FRONT MATTERS

Editorials

- 723 **A New Pair of SOCS for Diabetic Nephropathy**
Frank C. Brosius, III, and Amy Banes-Berceli
• See related article by Ortiz-Muñoz et al. (pp. 763–772).
- 724 **Synergistic Interaction between Ciliary Genes Reflects the Importance of Mutational Load in Ciliopathies**
Sunjin Lee and Scott D. Weatherbee
• See related article by Williams et al. (pp. 782–793).
- 726 **From Proteus to Prometheus: Learning from Fish to Modulate Regeneration**
Paola Romagnani
• See related article by de Groh et al. (pp. 794–802).
- 728 **Variations in Mortality among Hospitalizations for Acute Kidney Injury**
William M. McClellan
• See related article by James et al. (pp. 845–851).
- 731 **Pulling the Trigger in Atypical Hemolytic Uremic Syndrome: The Role of Pregnancy**
Timothy H.J. Goodship and David Kavanagh
• See related article by Fakhouri et al. (pp. 859–867).

Clinical Commentary

- 733 **Ion-Exchange Resins for the Treatment of Hyperkalemia: Are They Safe and Effective?**
Richard H. Sterns, Maria Rojas, Paul Bernstein, and Sreedevi Chennupati

Brief Review

- 736 **Renal TRPathies**
Alexander Dietrich, Vladimir Chubanov, and Thomas Gudermann

Special Article

- 745 **ANCA Disease: Where Is This Field Heading?**
Ronald J. Falk and J. Charles Jennette

BRIEF COMMUNICATIONS

- 753 ★ **Uremic Thrombocytopeny Is not about Urea**
Gabor E. Linthorst, Hans J. Avis, and Marcel Levi
- 756 **Targeted Deletion of Dicer from Proximal Tubules Protects against Renal Ischemia-Reperfusion Injury**
Qingqing Wei, Kirti Bhatt, Hong-Zhi He, Qing-Sheng Mi, Volker H. Haase, and Zheng Dong

BASIC RESEARCH

- 763 **Suppressors of Cytokine Signaling Abrogate Diabetic Nephropathy**
Guadalupe Ortiz-Muñoz, Virginia Lopez-Parra, Oscar Lopez-Franco, Paula Fernandez-Vizarra, Beñat Mallavia, Claudio Flores, Ana Sanz, Julia Blanco, Sergio Mezzano, Alberto Ortiz, Jesus Egido, and Carmen Gomez-Guerrero
• See related editorial by Brosius and Banes-Berceli (pp. 723–724).
- 773 **A *GREM1* Gene Variant Associates with Diabetic Nephropathy**
Amy Jayne McKnight, Christopher C. Patterson, Kerry A. Pettigrew, David A. Savage, Jill Kilner, Madeline Murphy, Denise Sadlier, Alexander P. Maxwell, and the Warren 3/U.K. Genetics of Kidneys in Diabetes (GoKinD) Study Group
- 782 **Normal Ciliogenesis Requires Synergy between the Cystic Kidney Disease Genes *MKS-3* and *NPHP-4***
Corey L. Williams, Svetlana V. Masyukova, and Bradley K. Yoder
• See related editorial by Lee and Weatherbee (pp. 724–726).

794 Inhibition of Histone Deacetylase Expands the Renal Progenitor Cell Population

Eric D. de Groh, Lisa M. Swanhart, Chiara Cianciolo Cosentino, Rachel L. Jackson, Weixiang Dai, Carolyn A. Kitchens, Billy W. Day, Thomas E. Smithgall, and Neil A. Hukriede
• See related editorial by Romagnani (pp. 726–728).

803 ★ Notch2 Activation in the Embryonic Kidney Depletes Nephron Progenitors

Sayoko Fujimura, Qing Jiang, Chiyoko Kobayashi, and Ryuichi Nishinakamura

811 mTOR Complex-2 Activates ENaC by Phosphorylating SGK1

Ming Lu, Jian Wang, Kevin T. Jones, Harlan E. Ives, Morris E. Feldman, Li-jun Yao, Kevan M. Shokat, Kaveh Ashrafi, and David Pearce

819 ★ Reduced Notch Signaling Leads to Renal Cysts and Papillary Microadenomas

Kameswaran Surendran, Meron Selassie, Helen Liapis, Hannah Krigman, and Raphael Kopan

833 Endothelin-1 Inhibits the Epithelial Na⁺ Channel through βPix/14-3-3/Nedd4-2

Tengis S. Pavlov, Ahmed Chahdi, Daria V. Ilatovskaya, Vladislav Levchenko, Alain Vandewalle, Oleh Pochynyuk, Andrey Sorokin, and Alexander Staruschenko

CLINICAL EPIDEMIOLOGY

845 ★ Weekend Hospital Admission, Acute Kidney Injury, and Mortality

Matthew T. James, Ron Wald, Chaim M. Bell, Marcello Tonelli, Brenda R. Hemmelgarn, Sushrut S. Waikar, and Glenn M. Chertow
• See related editorial by McClellan (pp. 728–731).

852 Long-Term Cancer Risk of Immunosuppressive Regimens after Kidney Transplantation

Martin P. Gallagher, Patrick J. Kelly, Meg Jardine, Vlado Perkovic, Alan Cass, Jonathan C. Craig, Josette Eris, and Angela C. Webster

CLINICAL RESEARCH

859 Pregnancy-Associated Hemolytic Uremic Syndrome Revisited in the Era of Complement Gene Mutations

Fadi Fakhouri, Lubka Roumenina, François Provot, Marion Sallée, Sophie Caillard, Lionel Couzi, Marie Essig, David Ribes, Marie-Agnès Dragon-Durey, Frank Bridoux, Eric Rondeau, and Veronique Frémeaux-Bacchi
• See related editorial by Goodship and Kavanagh (pp. 731–732).

868 ★ Prolonged CD4 T Cell Lymphopenia Increases Morbidity and Mortality after Renal Transplantation

Didier Ducloux, Cécile Courivaud, Jamal Bamoulid, Bérengère Vivet, Aline Chabroux, Marina Deschamps, Jean-Michel Rebibou, Christophe Ferrand, Jean-Marc Chalopin, Pierre Tiberghien, and Philippe Saas

876 ★ Genotype–Phenotype Correlation in X-Linked Alport Syndrome

Mir Reza Bekheirnia, Berenice Reed, Martin C. Gregory, Kim McFann, Alireza Abdollah Shamshirsaz, Amirali Masoumi, and Robert W. Schrier