

**This Month's Highlights**

**UP FRONT MATTERS**

**Editorials**

- 369 **Life Without Nephrin: It's for the Birds**  
Jeffrey H. Miner
- 371 **Induction of IgA Deposits and Glomerulonephritis by IgA Rheumatoid Factor**  
Jan Novak  
• See related article by Otani et al. (pp. 438–446).
- 373 **Illuminating the Glomerular Filtration Barrier, Two Photons at a Time**  
William H. Fissell  
• See related article by Sandoval et al. (pp. 447–457).
- 376 **Do We Now Have a Prognostic Biomarker for Progressive Diabetic Nephropathy?**  
Frank C. Brosius and Rajiv Saran  
• See related articles by Niewczas et al. (pp. 507–515); and Gohda et al. (pp. 516–524).
- 378 **Anti-LAMP-2 Autoantibodies in ANCA-Associated Pauci-Immune Glomerulonephritis**  
Shaun M. Flint and Caroline O.S. Savage  
• See related articles by Roth et al. (pp. 545–555); and Kain et al. (pp. 556–566).
- Brief Review**
- 381 **Basic and Translational Concepts of Immune-Mediated Glomerular Diseases**  
William G. Couser
- Science in Renal Medicine**
- 400 **The Long and Short of MicroRNAs in the Kidney**  
Jacqueline Ho and Jordan A. Kreidberg

**BRIEF COMMUNICATIONS**

- 405 **Hyperglycemia and Renin-Dependent Hypertension Synergize to Model Diabetic Nephropathy**  
Bryan R. Conway, Jillian Rennie, Matthew A. Bailey, Donald R. Dunbar, Jonathan R. Manning, Christopher O. Bellamy, Jeremy Hughes, and John J. Mullins
- 412 **★ Inhibition of MTOR Disrupts Autophagic Flux in Podocytes**  
Davide P. Cinà, Tuncer Onay, Aarti Paltoo, Chengjin Li, Yoshiro Maezawa, Javier De Arteaga, Andrea Jurisicova, and Susan E. Quaggin

**BASIC RESEARCH**

- 421 **Binding of Losartan to Angiotensin AT1 Receptors Increases Dopamine D1 Receptor Activation**  
Dong Li, Lena Scott, Susanne Crambert, Sergey Zelenin, Ann-Christine Eklöf, Luis Di Ciano, Fernando Ibarra, and Anita Aperia
- 429 **★ Increased Tubular Proliferation as an Adaptive Response to Glomerular Albuminuria**  
Jian-Kan Guo, Arnaud Marlier, Hongmei Shi, Alan Shan, Thomas A. Ardito, Zhao-Peng Du, Michael Kashgarian, Diane S. Krause, Daniel Biemesderfer, and Lloyd G. Cantley
- 438 **O-Glycosylated IgA Rheumatoid Factor Induces IgA Deposits and Glomerulonephritis**  
Masako Otani, Junichiro Nakata, Masao Kihara, Valérie Leroy, Solange Moll, Yoshinao Wada, and Shozo Izui  
• See related editorial by Novak (pp. 371–373).
- 447 **★ Multiple Factors Influence Glomerular Albumin Permeability in Rats**  
Ruben M. Sandoval, Mark C. Wagner, Monica Patel, Silvia B. Campos-Bilderback, George J. Rhodes, Exing Wang, Sarah E. Wean, Sherry S. Clendenon, and Bruce A. Molitoris  
• See related editorial by Fissell (pp. 373–375).

- 458 **Inhibiting MicroRNA-192 Ameliorates Renal Fibrosis in Diabetic Nephropathy**  
Sumanth Putta, Linda Lanting, Guangdong Sun, Gregory Lawson, Mitsuo Kato, and Rama Natarajan
- 470 **Neutrophil Serine Proteases Promote IL-1 $\beta$  Generation and Injury in Necrotizing Crescentic Glomerulonephritis**  
Adrian Schreiber, Christine T.N. Pham, Ying Hu, Wolfgang Schneider, Friedrich C. Luft, and Ralph Kettritz
- 483 **Aberrant Tubuloglomerular Feedback and HIF-1 $\alpha$  Confer Resistance to Ischemia after Subtotal Nephrectomy**  
Prabhleen Singh, Roland C. Blantz, Christian Rosenberger, Francis B. Gabbai, Trenton R. Schoeb, and Scott C. Thomson
- CLINICAL EPIDEMIOLOGY**
- 495 **★Trends in Acute Nonvariceal Upper Gastrointestinal Bleeding in Dialysis Patients**  
Ju-Yeh Yang, Tsung-Chun Lee, Maria E. Montez-Rath, Jane Paik, Glenn M. Chertow, Manisha Desai, and Wolfgang C. Winkelmayr
- CLINICAL RESEARCH**
- 507 **Circulating TNF Receptors 1 and 2 Predict ESRD in Type 2 Diabetes**  
Monika A. Niewczasz, Tomohito Gohda, Jan Skupien, Adam M. Smiles, William H. Walker, Florencia Rosetti, Xavier Cullere, John H. Eckfeldt, Alessandro Doria, Tanya N. Mayadas, James H. Warram, and Andrzej S. Krolewski  
• See related editorial by Brosius and Saran (pp. 376–377).
- 516 **Circulating TNF Receptors 1 and 2 Predict Stage 3 CKD in Type 1 Diabetes**  
Tomohito Gohda, Monika A. Niewczasz, Linda H. Ficociello, William H. Walker, Jan Skupien, Florencia Rosetti, Xavier Cullere, Amanda C. Johnson, Gordon Crabtree, Adam M. Smiles, Tanya N. Mayadas, James H. Warram, and Andrzej S. Krolewski  
• See related editorial by Brosius and Saran (pp. 376–377).
- 525 **★Differences in Bone Quality in Low- and High-Turnover Renal Osteodystrophy**  
Hartmut H. Malluche, Daniel S. Porter, Marie-Claude Monier-Faugere, Hanna Mawad, and David Pienkowski
- 533 **★Global Trends in Rates of Peritoneal Dialysis**  
Arsh K. Jain, Peter Blake, Peter Cordy, and Amit X. Garg
- 545 **Anti-LAMP-2 Antibodies Are Not Prevalent in Patients With Antineutrophil Cytoplasmic Autoantibody Glomerulonephritis**  
Aleeza J. Roth, Michael C. Brown, Rex Neal Smith, Anshul K. Badhwar, Oscar Parente, Hyun chul Chung, Donna O'Dell Bunch, JulieAnne G. McGregor, Susan L. Hogan, Yichun Hu, Jia-Jin Yang, Elisabeth A. Berg, John Niles, J. Charles Jennette, Gloria A. Preston, and Ronald J. Falk  
• See related editorial by Flint and Savage (pp. 378–380).
- 556 **High Prevalence of Autoantibodies to hLAMP-2 in Anti-Neutrophil Cytoplasmic Antibody-Associated Vasculitis**  
Renate Kain, Henko Tadema, Eoin F. McKinney, Alexandra Benharkou, Ricarda Brandes, Andrea Peschel, Virginie Hubert, Tjerk Feenstra, Gürkan Sengölge, Coen Stegeman, Peter Heeringa, Paul A. Lyons, Kenneth G.C. Smith, Cees Kallenberg, and Andrew J. Rees  
• See related editorial by Flint and Savage (pp. 378–380).
- 567 **ERRATUM**