

**This Month's Highlights**

**UP FRONT MATTERS**

**Editorials**

- 791 **Tying TAZ and Nek1 into Polycystic Kidney Disease through Polycystin 2 Levels**  
Susan K. Dutcher and Huawen Lin  
• See related article by Yim et al. (pp. 832–837).
- 793 **Third-Hit Signaling in Renal Cyst Formation**  
Thomas Weimbs  
• See related article by Bell et al. (pp. 839–848).
- 795 **Cystatin C Is More than GFR, and This May Be a Good Thing**  
Andrew D. Rule and John C. Lieske  
• See related article by Mathisen et al. (pp. 927–937).
- 797 **Peri-surgical Statins Lessen Acute Kidney Injury**  
Sushrut S. Waikar and Steven M. Brunelli  
• See related article by Molnar et al. (pp. 939–946).
- 799 **New Insights to Fibroblast Growth Factor 23 in Kidney Transplant**  
Joachim H. Ix  
• See related article by Wolf et al. (pp. 956–966).

**Brief Reviews**

- 802 **Chemokines in Renal Injury**  
Arthur C. K. Chung and Hui Y. Lan
- 810 **Biological Markers of Acute Kidney Injury**  
Edward D. Siew, Lorraine B. Ware, and T. Alp Ikizler

**Science in Renal Medicine**

- 821 **Proteolysis by the Ubiquitin-Proteasome System and Kidney Disease**  
Stewart H. Lecker and William E. Mitch

**BRIEF COMMUNICATIONS**

- 825 **Inhibitory Interactions between BK and JC Virus among Kidney Transplant Recipients**  
Xingxing S. Cheng, Daniel L. Bohl, Gregory A. Storch, Caroline Ryschkewitsch, Monique Gaudreault-Keener, Eugene O. Major, Parmjeet Randhawa, Karen L. Hardinger, and Daniel C. Brennan
- 832 ★ **Nek1 and TAZ Interact to Maintain Normal Levels of Polycystin 2**  
Hyungshin Yim, Chang K. Sung, John You, Yu Tian, and Thomas Benjamin  
• See related editorial by Dutcher and Lin (pp. 791–793).

**BASIC RESEARCH**

- 839 **Loss of Primary Cilia Upregulates Renal Hypertrophic Signaling and Promotes Cystogenesis**  
P. Darwin Bell, Wayne Fitzgibbon, Kelli Sas, Antine E. Stenbit, May Amria, Amber Houston, Ryan Reichert, Sandra Gilley, Gene P. Siegal, John Bissler, Mehmet Bilgen, Peter Cheng-te Chou, Lisa Guay-Woodford, Brad Yoder, Courtney J. Haycraft, and Brian Siroky  
• See related editorial by Weimbs et al. (pp. 793–795).
- 849 ★ **A Missense LAMB2 Mutation Causes Congenital Nephrotic Syndrome by Impairing Laminin Secretion**  
Ying Maggie Chen, Yamato Kikkawa, and Jeffrey H. Miner
- 859 **Epac-Rap Signaling Reduces Cellular Stress and Ischemia-induced Kidney Failure**  
Geurt Stokman, Yu Qin, Hans-Gottfried Genieser, Frank Schwede, Emile de Heer, Johannes L. Bos, Ingeborg M. Bajema, Bob van de Water, and Leo S. Price

**873** ★ **PKB/SGK-Resistant GSK3 Enhances Phosphaturia and Calciuria**  
Michael Föller, Daniela S. Kempe, Krishna M. Boini, Ganesh Pathare, Balasaheb Siraskar, Paola Capuano, Ioana Alesutan, Mentor Sopjani, Gerti Stange, Nilufar Mohebbi, Madhuri Bhandaru, Teresa F. Ackermann, Martin S. Judenhofer, Bernd J. Pichler, Jürg Biber, Carsten A. Wagner, and Florian Lang

**881** **Immunoglobulin Locus Associates with Serum IgG Levels and Albuminuria**  
Stacy M. Herring, Nisha Gokul, Monique Monita, Rebecca Bell, Eric Boerwinkle, Scott E. Wenderfer, Michael C. Braun, and Peter A. Doris

**890** **A<sub>2B</sub> Adenosine Receptor–Mediated Induction of IL-6 Promotes CKD**  
Yingbo Dai, Weiru Zhang, Jiaming Wen, Yujin Zhang, Rodney E. Kellems, and Yang Xia

**902** **Autophagy Protects the Proximal Tubule from Degeneration and Acute Ischemic Injury**  
Tomonori Kimura, Yoshitsugu Takabatake, Atsushi Takahashi, Jun-ya Kaimori, Isao Matsui, Tomoko Namba, Harumi Kitamura, Fumio Niimura, Taiji Matsusaka, Tomoyoshi Soga, Hiromi Rakugi, and Yoshitaka Isaka

**914** **Benfotiamine Protects against Peritoneal and Kidney Damage in Peritoneal Dialysis**  
Lars P. Kihm, Sandra Müller-Krebs, Julia Klein, Gregory Ehrlich, Laura Mertes, Marie-Luise Gross, Antonysunil Adaikalakoteswari, Paul J. Thornalley, Hans-Peter Hammes, Peter P. Nawroth, Martin Zeier, and Vedat Schwenger

### CLINICAL EPIDEMIOLOGY

**927** ★ **Estimated GFR Associates with Cardiovascular Risk Factors Independently of Measured GFR**  
Ulla Dorte Mathisen, Toralf Melsom, Ole C. Ingebretsen, Trond Jenssen, Inger Njølstad, Marit D. Solbu, Ingrid Toft, and Bjørn O. Eriksen  
• See related article by Rule and Lieske (pp. 795–797).

**939** ★ **Statin Use Associates with a Lower Incidence of Acute Kidney Injury after Major Elective Surgery**  
Amber O. Molnar, Steven G. Coca, Phillip J. Devereaux, Arsh K. Jain, Abhijat Kitchlu, Jin Luo, Chirag R. Parikh, J. Michael Paterson, Nausheen Siddiqui, Ron Wald, Michael Walsh, and Amit X. Garg  
• See related editorial by Waikar and Brunelli (pp. 797–799).

### CLINICAL RESEARCH

**947** **Pathway Analysis Shows Association between FGFBP1 and Hypertension**  
Maciej Tomaszewski, Fadi J. Charchar, Christopher P. Nelson, Timothy Barnes, Matthew Denniff, Michael Kaiser, Radoslaw Debiec, Paraskevi Christofidou, Suzanne Rafelt, Pim van der Harst, William Y. S. Wang, Christine Maric, Ewa Zukowska-Szczechowska, and Nilesh J. Samani

**956** ★ **Elevated Fibroblast Growth Factor 23 is a Risk Factor for Kidney Transplant Loss and Mortality**  
Myles Wolf, Miklos Z. Molnar, Ansel P. Amaral, Maria E. Czira, Anna Rudas, Akos Ujszaszi, Istvan Kiss, Laszlo Rosivall, Janos Kosa, Peter Lakatos, Csaba P. Kovesdy, and Istvan Mucci  
• See related editorial by Ix (pp. 799–801).

**967** **Arterial Remodeling Associates with CKD Progression**  
Marie Briet, Cédric Collin, Alexandre Karras, Stéphane Laurent, Erwan Bozec, Christian Jacquot, Bénédicte Stengel, Pascal Houillier, Marc Froissart, and Pierre Boutouyrie for The Nephrotest Study Group

**975** **Donor-Specific Antibodies Accelerate Arteriosclerosis after Kidney Transplantation**  
Gary S. Hill, Dominique Nochy, Patrick Bruneval, J. P. Duong van Huyen, Denis Glotz, Caroline Suberbielle, Julien Zuber, Dany Anglicheau, Jean-Philippe Empana, Christophe Legendre, and Alexandre Loupy