

## This Month's Highlights

## UP FRONT MATTERS

### Editorials

**685 Aquaporin-2 Inhibitors: Fishing in the Chemical Pool**

Dennis Brown and Hua A. Jenny Lu

- See related article by Bogum et al. (pp. 744–758).

**687 Klotho to Treat Kidney Fibrosis**

Maria D. Sanchez-Niño, Ana B. Sanz, and Alberto Ortiz

- See related article by Zhou et al. (pp. 771–785).

**689 Physical Performance and All-Cause Mortality in CKD**

Joel D. Kopple

- See related article by Roshanravan et al. (pp. 822–830).

**691 What Can We Learn from Null Randomized Controlled Trials?**

Rajiv Agarwal

- See related article by Chue et al. (pp. 842–852).

### Brief Reviews

**694 Imatinib: Novel Treatment of Immune-Mediated Kidney Injury**

Eric Wallace and Leslie Gewin

**702 The Treatment of Minimal Change Disease in Adults**

Jonathan Hogan and Jai Radhakrishnan

## BRIEF COMMUNICATIONS

**713 ★N-WASP Is Required for Stabilization of Podocyte Foot Processes**

Christoph Schell, Lisa Baumhakl, Sarah Salou, Ann-Christin Conzelmann, Charlotte Meyer, Martin Helmstädter, Christoph Wrede, Florian Grahmmer, Stefan Eimer, Donscho Kerjaschki, Gerd Walz, Scott Snapper, and Tobias B. Huber

**722 ★Apolipoprotein L1 Risk Variants Associate with Systemic Lupus Erythematosus-Associated Collapsing Glomerulopathy**

Christopher P. Larsen, Marjorie L. Beggs, Mohammad Saeed, and Patrick D. Walker

## BASIC RESEARCH

**727 Vps34 Deficiency Reveals the Importance of Endocytosis for Podocyte Homeostasis**

Wibke Bechtel, Martin Helmstädter, Jan Balica, Björn Hartleben, Betina Kiefer, Fatima Hrnjic, Christoph Schell, Oliver Kretz, Shuya Liu, Felix Geist, Donscho Kerjaschki, Gerd Walz, and Tobias B. Huber

**744 Small-Molecule Screening Identifies Modulators of Aquaporin-2 Trafficking**

Jana Bogum, Dörte Faust, Kerstin Zühlke, Jenny Eichhorst, Marie C. Moutty, Jens Furkert, Adeeb Eldahshan, Martin Neuenschwander, Jens Peter von Kries, Burkhard Wiesner, Christiane Trimpert, Peter M.T. Deen, Giovanna Valenti, Walter Rosenthal, and Enno Klussmann

- See related editorial by Brown and Lu (pp. 685–686).

**759 Cystathionine  $\gamma$ -Lyase Protects against Renal Ischemia/Reperfusion by Modulating Oxidative Stress**

Eelke M. Bos, Rui Wang, Pauline M. Snijder, Miriam Boersema, Jeffrey Damman, Ming Fu, Jill Moser, Jan-Luuk Hillebrands, Rutger J. Ploeg, Guangdong Yang, Henri G.D. Leuvenink, and Harry van Goor

**771 ★Loss of Klotho Contributes to Kidney Injury by Derepression of Wnt/ $\beta$ -Catenin Signaling**

Lili Zhou, Yingjian Li, Dong Zhou, Roderick J. Tan, and Youhua Liu

- See related editorial by Sanchez-Niño et al. (pp. 687–689).

**787 Epithelial Cell TGF $\beta$  Signaling Induces Acute Tubular Injury and Interstitial Inflammation**

Madeleine E. Gentle, Shaolin Shi, Ilse Daehn, Taoran Zhang, Haiying Qi, Liping Yu, Vivette D. D'Agati, Detlef O. Schlondorff, and Erwin P. Bottinger

**801 Renoprotective Effect of Combined Inhibition of Angiotensin-Converting Enzyme and Histone Deacetylase**

Yifei Zhong, Edward Y. Chen, Ruijie Liu, Peter Y. Chuang, Sandeep K. Mallipattu, Christopher M. Tan, Neil R. Clark, Yueyi Deng, Paul E. Klotman, Avi Ma'ayan, and John Cijiang He

**CLINICAL EPIDEMIOLOGY**

**813 ★Association between Younger Age When First Overweight and Increased Risk for CKD**

Richard J. Silverwood, Mary Pierce, Claudia Thomas, Rebecca Hardy, Charles Ferro, Naveed Sattar, Peter Whincup, Caroline Savage, Diana Kuh, and Dorothea Nitsch, on behalf of the National Survey of Health and Development Scientific and Data Collection Teams

**822 ★Association between Physical Performance and All-Cause Mortality in CKD**

Baback Roshanravan, Cassianne Robinson-Cohen, Kushang V. Patel, Ernest Ayers, Alyson J. Littman, Ian H. de Boer, T. Alp Ikizler, Jonathan Himmelfarb, Leslie I. Katznel, Bryan Kestenbaum, and Stephen Seliger

- See related editorial by Kopple (pp. 689–690).

**CLINICAL RESEARCH**

**831 ★Vitamin D Status and Outcomes After Renal Transplantation**

Frank Bienaimé, Delphine Girard, Dany Anglicheau, Guillaume Canaud, Jean Claude Souberbielle, Henri Kreis, Laure Hélène Noël, Gérard Friedlander, Caroline Elie, Christophe Legendre, and Dominique Prié

**842 Cardiovascular Effects of Sevelamer in Stage 3 CKD**

Colin D. Chue, Jonathan N. Townend, William E. Moody, Daniel Zehnder, Nadezhda A. Wall, Lorraine Harper, Nicola C. Edwards, Richard P. Steeds, and Charles J. Ferro

- See related editorial by Agarwal (pp. 691–693).

**853 Protein Carbamylation Predicts Mortality in ESRD**

Robert A. Koeth, Kamyar Kalantar-Zadeh, Zeneng Wang, Xiaoming Fu, W.H. Wilson Tang, and Stanley L. Hazen