

## This Month's Highlights

### UP FRONT MATTERS

#### Editorials

**1809 RGS2 Proteins Regulate Blood Pressure**

William J. Welch

- See related article by Gurley et al. (pp. 1847–1851).

**1810 Tubular Reabsorption of Albumin: It's All About Cubilin**

Börje Haraldsson

- See related article by Amsellem et al. (pp. 1859–1867).

**1812 An Emerging Role for SPAK in NCC, NKCC, and Blood Pressure Regulation**

Aylin R. Rodan and Chou-Long Huang

- See related article by Yang et al. (pp. 1868–1877).

**1814 Rate of Kidney Function Decline Associates with Increased Risk of Death**

Csaba P. Kovacs

- See related article by Al-Aly et al. (pp. 1961–1969).

**1816 Blood Pressure and Mortality among ESRD Patients: All Patients Are Not Created Equal**

Deidra C. Crews and Neil R. Powe

- See related article by Myers et al. (pp. 1970–1978).

#### Brief Review

**1819 Mechanisms of Tubulointerstitial Fibrosis**

Michael Zeisberg and Eric G. Neilson

#### Special Article

**1835 A High-Powered View of the Filtration Barrier**

János Peti-Peterdi and Arnold Sipos

#### Science in Renal Medicine

**1842 Mechanisms of Type I and Type II Pseudohypoaldosteronism**

Seth B. Furgeson and Stuart Linas

### BRIEF COMMUNICATIONS

**1847 ★ Renal Actions of RGS2 Control Blood Pressure**

Susan B. Gurley, Robert C. Griffiths, Michael E. Mendelsohn, Richard H. Karas, and Thomas M. Coffman

- See related editorial by Welch (pp. 1809–1810).

**1852 Chronic Uremia Stimulates LDL Carbamylation and Atherosclerosis**

Eugene O. Apostolov, Debarti Ray, Alena V. Savenka, Sudhir V. Shah, and Alexei G. Basnakian

### BASIC RESEARCH

**1859 ★ Cubilin Is Essential for Albumin Reabsorption in the Renal Proximal Tubule**

Sabine Amsellem, Jakub Gburek, Ghislaine Hamard, Rikke Nielsen, Thomas E. Willnow, Olivier Devuyst, Ebba Nexø, Pierre J. Verroust, Erik I. Christensen, and Renata Kozyraki

- See related editorial by Haraldsson (pp. 1810–1812).

**1868 ★ SPAK-Knockout Mice Manifest Gitelman Syndrome and Impaired Vasoconstriction**

Sung-Sen Yang, Yi-Fen Lo, Chin-Chen Wu, Shu-Wha Lin, Chien-Ju Yeh, Pauling Chu, Huey-Kang Sytwu, Shinichi Uchida, Sei Sasaki, and Shih-Hua Lin

- See related editorial by Rodan and Huang (pp. 1812–1814).

**1878 HMGB1 Contributes to Kidney Ischemia Reperfusion Injury**

Huiling Wu, Jin Ma, Peng Wang, Theresa M. Corpuz, Usha Panchapakesan, Kate R. Wyburn, and Steven J. Chadban

**1891 Prenatal Exposure to Alcohol Reduces Nephron Number and Raises Blood Pressure in Progeny**

Stephen P. Gray, Kate M. Denton, Luise Cullen-McEwen, John F. Bertram, and Karen M. Moritz

**1903 Purinergic Inhibition of ENaC Produces Aldosterone Escape**

James D. Stockand, Elena Mironova, Vladislav Bugaj, Timo Rieg, Paul A. Insel, Volker Vallon, Janos Peti-Peterdi, and Oleh Pochynyuk

**1912 Anti-dsDNA Antibodies Bind to Mesangial Annexin II in Lupus Nephritis**

Susan Yung, Kwok Fan Cheung, Qing Zhang, and Tak Mao Chan

**1928 Pendrin Modulates ENaC Function by Changing Luminal HCO<sub>3</sub><sup>-</sup>**

Vladimir Pech, Truyen D. Pham, Seongun Hong, Alan M. Weinstein, Kathryn B. Spencer, Billy Jean Duke, Eric Walp, Young Hee Kim, Roy L. Sutliff, Hui-Fang Bao, Douglas C. Eaton, and Susan M. Wall

**1942 Sodium and Potassium Balance Depends on  $\alpha$ ENaC Expression in Connecting Tubule**

Birgitte Mønster Christensen, Romain Perrier, Qing Wang, Annie Mercier Zuber, Marc Maillard, David Mordasini, Sumedha Malsure, Caroline Ronzaud, Jean-Christophe Stehle, Bernard C. Rossier, and Edith Hummler

**CLINICAL EPIDEMIOLOGY**

**1953 Low Socioeconomic Status Associates with Higher Serum Phosphate Irrespective of Race**

Orlando M. Gutiérrez, Cheryl Anderson, Tamara Isakova, Julia Scialla, Lavinia Negrea, Amanda Hyre Anderson, Keith Belovich, Jing Chen, Nancy Robinson, Akinlolu Ojo, James Lash, Harold I. Feldman, and Myles Wolf, on behalf of the CRIC Study Group

**1961 ★ Rate of Kidney Function Decline Associates with Mortality**

Ziyad Al-Aly, Angeliq Zeringue, John Fu, Michael I. Rauchman, Jay R. McDonald, Tarek M. El-Achkar, Sumitra Balasubramanian, Diana Nurutdinova, Hong Xian, Kevin Stroupe, Kevin C. Abbott, and Seth Eisen

• See related editorial by Kovesdy (pp. 1814–1816).

**1970 ★ Age, Race, Diabetes, Blood Pressure, and Mortality among Hemodialysis Patients**

Orrin B. Myers, Christopher Adams, Mark R. Rohrscheib, Karen S. Servilla, Dana Miskulin, Edward J. Bedrick, and Philip G. Zager

• See related editorial by Crews and Powe (pp. 1816–1818).

**1979 Low Health Literacy Associates with Increased Mortality in ESRD**

Kerri L. Cavanaugh, Rebecca L. Wingard, Raymond M. Hakim, Svetlana Eden, Ayumi Shintani, Kenneth A. Wallston, Mary Margaret Huizinga, Tom A. Elasy, Russell L. Rothman, and T. Alp Ikizler

**CLINICAL RESEARCH**

**1987 ★ Fibrosis with Inflammation at One Year Predicts Transplant Functional Decline**

Walter D. Park, Matthew D. Griffin, Lynn D. Cornell, Fernando G. Cosio, and Mark D. Stegall

**1998 Fetuin-Mineral Complex Reflects Extrasosseous Calcification Stress in CKD**

Takayuki Hamano, Isao Matsui, Satoshi Mikami, Kodo Tomida, Naohiko Fujii, Enyu Imai, Hiromi Rakugi, and Yoshitaka Isaka