

This Month's Highlights

UP FRONT MATTERS

Editorials

- 1761 **Uromodulin, Inflammasomes, and Pyroptosis**
 Maria Dolores Sanchez-Niño, Ana B. Sanz,
 and Alberto Ortiz

- See related article by Narayana Darisipudi et al. (pp. 1783–1789).

- 1763 **Growing New Kidneys from Embryonic Cell Suspensions: Fantasy or Reality?**

Vivette D. D'Agati

- See related article by Xinaris et al. (pp. 1857–1868).

- 1766 **Parathyroid Hormone–Independent Role for the Calcium-Sensing Receptor in the Control of Urinary Calcium Excretion**

Daniela Riccardi

- See related article by Toka et al. (pp. 1879–1890).

Brief Review

- 1769 **Treatment of Primary FSGS in Adults**

Stephen M. Korbet

Science in Renal Medicine

- 1777 **Mechanisms of Light Chain Injury along the Tubular Nephron**

Paul W. Sanders

BRIEF COMMUNICATIONS

- 1783 ★ **Uromodulin Triggers IL-1 β –Dependent Innate Immunity via the NLRP3 Inflammasome**
 Murthy Narayana Darisipudi, Dana Thomasova,
 Shrikant R. Mulay, Dorothee Brech, Elfriede Noessner,
 Helen Liapis, and Hans-Joachim Anders

- See related editorial by Sanchez-Niño et al. (pp. 1761–1763).

- 1790 **Sprouty1 Haploinsufficiency Prevents Renal Agenesis in a Model of Fraser Syndrome**

Jolanta E. Pitera, Adrian S. Woolf, M. Albert Basson,
 and Peter J. Scambler

BASIC RESEARCH

- 1797 **PGD₂-CRTH2 Pathway Promotes Tubulointerstitial Fibrosis**

Hideyuki Ito, Xiaoxiang Yan, Nanae Nagata, Kosuke Aritake, Yoshinori Katsumata, Tomohiro Matsushashi, Masataka Nakamura, Hiroyuki Hirai, Yoshihiro Urade, Koichiro Asano, Masato Kubo, Yasunori Utsunomiya, Tatsuo Hosoya, Keiichi Fukuda, and Motoaki Sano

- 1810 ★ **eNOS Deficiency Predisposes Podocytes to Injury in Diabetes**

Darren A. Yuen, Bailey E. Stead, Yanling Zhang, Kathryn E. White, M. Golam Kabir, Kerri Thai, Suzanne L. Advani, Kim A. Connelly, Tomoko Takano, Lei Zhu, Alison J. Cox, Darren J. Kelly, Ian W. Gibson, Takamune Takahashi, Raymond C. Harris, and Andrew Advani

- 1824 **Urinary Plasmin Inhibits TRPV5 in Nephrotic-Range Proteinuria**

Kukiat Tudpor, Sergio Láinez, Arjan J. Kwakernaak, Nadezda V. Kovalevskaya, Sjoerd Verkaart, Siebe van Genesen, Annemiete van der Kemp, Gerjan Navis, René J.M. Bindels, and Joost G.J. Hoenderop

- 1835 ★ **Activation of Liver X Receptor Inhibits Osteopontin and Ameliorates Diabetic Nephropathy**

Hiromi Tachibana, Daisuke Ogawa, Yuichi Matsushita, Dennis Bruemmer, Jun Wada, Sanae Teshigawara, Jun Eguchi, Chikage Sato-Horiguchi, Haruhito Adam Uchida, Kenichi Shikata, and Hirofumi Makino

- 1847 **Multiphoton Imaging of the Glomerular Permeability of Angiotensinogen**

Daisuke Nakano, Hiroyuki Kobori, James L. Burford, Haykanush Gevorgyan, Saskia Seidel, Hirofumi Hitomi, Akira Nishiyama, and Janos Peti-Peterdi

- 1857 ★ **In Vivo Maturation of Functional Renal Organoids Formed from Embryonic Cell Suspensions**

Christodoulos Xinaris, Valentina Benedetti, Paola Rizzo, Mauro Abbate, Daniela Corna, Nadia Azzollini, Sara Conti, Mathieu Unbekandt, Jamie A. Davies, Marina Morigi, Ariela Benigni, and Giuseppe Remuzzi

- See related editorial by D'Agati (pp. 1763–1766).

1869 Sialylation Determines the Nephritogenicity of IgG3 Cryoglobulins

Masako Otani, Aki Kuroki, Shuichi Kikuchi, Masao Kihara, Junichiro Nakata, Kiyooki Ito, Jun-ichi Furukawa, Yasuro Shinohara, and Shozo Izui

1879 Deficiency of the Calcium-Sensing Receptor in the Kidney Causes Parathyroid Hormone-Independent Hypocalciuria

Hakan R. Toka, Khaldoun Al-Romaih, Jacob M. Koshy, Salvatore DiBartolo III, Claudine H. Kos, Stephen J. Quinn, Gary C. Curhan, David B. Mount, Edward M. Brown, and Martin R. Pollak

- See related editorial by Riccardi (pp. 1766–1768).

CLINICAL RESEARCH

1891 ★ Donor ABCB1 Variant Associates with Increased Risk for Kidney Allograft Failure

Jason Moore, Amy Jayne McKnight, Bernd Döhler, Matthew J. Simmonds, Aisling E. Courtney, Oliver J. Brand, David Briggs, Simon Ball, Paul Cockwell, Christopher C. Patterson, Alexander P. Maxwell, Stephen C.L. Gough, Gerhard Opelz, and Richard Borrows

1900 ★ Damage of the Endothelial Glycocalyx in Dialysis Patients

Carmen A. Vlahu, Bregtje A. Lemkes, Dirk G. Struijk, Marion G. Koopman, Raymond T. Krediet, and Hans Vink