

This Month's Highlights

UP FRONT MATTERS

Editorials

- 1409 **Round 3 at JASN (2001 to 2007): Recollections of the Third Editorial Team**
William Couser, Allison A. Eddy, and Carol Hill
- 1410 **What Type of VEGF Do You Need?**
Chris R.J. Kennedy
• See related article by Qiu et al. (pp. 1498–1509).
- 1412 **Balancing the Wnts in Polycystic Kidney Disease**
Vishal Patel
• See related article by Luyten et al. (pp. 1521–1532).
- 1414 **Progress in Progression?**
Matthew D. Breyer
• See related article by Hudkins et al. (pp. 1533–1542).
- 1416 **Dietary Fructose and Elevated Levels of Blood Pressure**
Matthew R. Weir
• See related article by Jalal et al. (pp. 1543–1549).
- 1418 **Digitalis and Hemodialysis Is a Bad Combination**
David R. Thiemann
• See related article by Chan et al. (pp. 1550–1559).
- 1420 **Immature Public Policy for Vascular Access**
Steve J. Schwab and Kennard D. Brown
• See related article by Hurst et al. (pp. 1571–1577).
- 1422 **The Apolipoprotein L1 (APOL1) Gene and Nondiabetic Nephropathy in African Americans**
Barry I. Freedman, Jeffrey B. Kopp, Carl D. Langefeld, Giulio Genovese, David J. Friedman, George W. Nelson, Cheryl A. Winkler, Donald W. Bowden, and Martin R. Pollak

Clinical Commentary

Brief Review

- 1427 **Forging Forward with 10 Burning Questions on FGF23 in Kidney Disease**
Myles Wolf

Special Article

- 1436 **Cell Senescence in the Aging Kidney**
Haichun Yang and Agnes B. Fogo

Science in Renal Medicine

- 1440 **Got Calcium? Welcome to the Calcium-Alkali Syndrome**
Ami M. Patel and Stanley Goldfarb

BASIC RESEARCH

- 1445 **Lack of Collagen XVIII/Endostatin Exacerbates Immune-Mediated Glomerulonephritis**
Yuki Hamano, Takashi Okude, Ryota Shirai, Ikumi Sato, Ryota Kimura, Makoto Ogawa, Yoshihiko Ueda, Osamu Yokosuka, Raghu Kalluri, and Shiro Ueda
- 1456 **Anion Exchanger 1 Interacts with Nephrin in Podocytes**
Fiona Wu, Moin A. Saleem, Nicole B. Kampik, Timothy J. Satchwell, Rosalind C. Williamson, Simone M. Blattner, Lan Ni, Tibor Toth, Graham White, Mark T. Young, Mark D. Parker, Seth L. Alper, Carsten A. Wagner, and Ashley M. Toyé
- 1468 ★ **Trps1 Haploinsufficiency Promotes Renal Fibrosis by Increasing Arkadia Expression**
Zhibo Gai, Gengyin Zhou, Ting Gui, Shunji Itoh, Kosuke Oikawa, Kohsaku Uetani, and Yasuteru Muragaki

- 1477 Smad2 Protects against TGF- β /Smad3-Mediated Renal Fibrosis**
Xiao Ming Meng, Xiao Ru Huang, Arthur C.K. Chung, Wei Qin, Xinli Shao, Peter Igarashi, Wenjun Ju, Erwin P. Bottinger, and Hui Yao Lan
- 1488 Reduced Hepatic Synthesis of Calcidiol in Uremia**
Josée Michaud, Judith Naud, Denis Ouimet, Christian Demers, Jean-Luc Petit, Francois A. Leblond, Alain Bonnardeaux, Marielle Gascon-Barré, and Vincent Pichette
- 1498 Overexpression of VEGF_{165b} in Podocytes Reduces Glomerular Permeability**
Yan Qiu, Joanne Ferguson, Sebastian Oltean, Chris R. Neal, Amit Kaura, Heather Bevan, Emma Wood, Leslie M. Sage, Silvia Lanati, Dawid G. Nowak, Andy H.J. Salmon, David Bates, and Steve J. Harper
• See related editorial by Kennedy (pp. 1410–1412).
- 1510 Genetic Variation of DKK3 May Modify Renal Disease Severity in ADPKD**
Michelle Liu, Sally Shi, Sean Senthilnathan, Julie Yu, Elliot Wu, Carsten Bergmann, Klaus Zerres, Nadja Bogdanova, Eliecer Coto, Constantinos Deltas, Alkis Pierides, Kyproula Demetriou, Olivier Devuyst, Berenice Gitomer, Marku Laakso, Anne Lumiaho, Klea Lamnissou, Riccardo Magistri, Patrick Parfrey, Martijn Breuning, Dorien J.M. Peters, Roser Torra, Christopher G. Winearls, Vicente E. Torres, Peter C. Harris, Andrew D. Paterson, and York Pei
- 1521 ★ Aberrant Regulation of Planar Cell Polarity in Polycystic Kidney Disease**
Annouck Luyten, Xuefeng Su, Sarah Gondela, Ying Chen, Santiago Rompani, Ayumi Takakura, and Jing Zhou
• See related editorial by Patel (pp. 1412–1414).
- 1533 ★ BTBR Ob/Ob Mutant Mice Model Progressive Diabetic Nephropathy**
Kelly L. Hudkins, Warangkana Pichaiwong, Tomasz Wietecha, Jolanta Kowalewska, Miriam C. Banas, Min W. Spencer, Anja Mühlfeld, Mariko Koelling, Jeffrey W. Pippin, Stuart J. Shankland, Bardia Askari, Mary E. Rabaglia, Mark P. Keller, Alan D. Attie, and Charles E. Alpers
• See related editorial by Breyer (pp. 1414–1416).

CLINICAL EPIDEMIOLOGY

- 1543 ★ Increased Fructose Associates with Elevated Blood Pressure**
Diana I. Jalal, Gerard Smits, Richard J. Johnson, and Michel Chonchol
• See related editorial by Weir (pp. 1416–1418).
- 1550 ★ Digoxin Associates with Mortality in ESRD**
Kevin E. Chan, J. Michael Lazarus, and Raymond M. Hakim
• See related editorial by Thiemann (pp. 1418–1420).
- 1560 Heart Rate Variability Predicts ESRD and CKD-Related Hospitalization**
Daniel J. Brotman, Lori D. Bash, Rehan Qayyum, Deidra Crews, Eric A. Whitsel, Brad C. Astor, and Josef Coresh
- 1571 ★ Arteriovenous Fistulas among Incident Hemodialysis Patients in Department of Defense and Veterans Affairs Facilities**
Frank P. Hurst, Kevin C. Abbott, Dominic Raj, Mahesh Krishnan, Carlos E. Palant, Lawrence Y. Agodoa, and Rahul M. Jindal
• See related editorial by Schwab and Brown (pp. 1420–1421).

CLINICAL RESEARCH

- 1579 Subclinical Viremia Increases Risk for Chronic Allograft Injury in Pediatric Renal Transplantation**
Jodi M. Smith, Lawrence Corey, Rachel Bittner, Laura S. Finn, Patrick J. Healey, Connie L. Davis, and Ruth A. McDonald
- 1587 Five-Year Safety and Efficacy of Belatacept in Renal Transplantation**
Flavio Vincenti, Gilles Blancho, Antoine Durrbach, Peter Friend, Josep Grinyo, Philip F. Halloran, Jurgen Klempnauer, Philippe Lang, Christian P. Larsen, Ferdinand Mühlbacher, Björn Nashan, Jean-Paul Soulillou, Yves Vanrenterghem, Thomas Wekerle, Mamta Agarwal, Sheila Gujrathi, Jinshan Shen, Rebecca Shi, Robert Townsend, and Bernard Charpentier