

This Month's Highlights

UP FRONT MATTERS

Editorials

- 2085 **Insight versus Quagmire with Compound HIV Transgenics**

Leslie A. Bruggeman

• See related article by Feng et al. (pp. 2138–2146).

- 2086 **Surprising Results following Conditional Podocyte Inactivation**

Martin Pollak

• See related article by Mollet et al. (pp. 2181–2189).

- 2088 **More Evidence that Cystatin C Predicts Mortality Better than Creatinine**

Peter P. Reese and Harold I. Feldman

• See related article by Astor et al. (pp. 2214–2222).

- 2090 **Warfarin and Stroke Outcomes in Hemodialysis Patients with Atrial Fibrillation**

Simonetta Genovesi and Antonio Santoro

• See related article by Chan et al. (pp. 2223–2233).

Occasional Observation

- 2093 **ESRD as a Window into America's Cost Crisis in Health Care**

Felix Knauf and Peter S. Aronson

Clinical Commentary

- 2098 **Over-the-Counter Analgesic Use**

Marc E. De Broe and Monique M. Elseviers

Brief Reviews

- 2104 **Planar Cell Polarity and the Kidney**

Helen McNeill

- 2112 **Is There Such a Thing as a Renal Stem Cell?**

Melissa H. Little and John F. Bertram

BRIEF COMMUNICATION

- 2119 ★ **Modification of Collagen IV by Glucose or Methylglyoxal Alters Distinct Mesangial Cell Functions**

Ambra Pozzi, Roy Zent, Sergei Chetyrkin, Corina Borza, Nada Bulus, Peale Chuang, Dong Chen, Billy Hudson, and Paul Voziyan

BASIC RESEARCH

- 2127 **TβRI Independently Activates Smad- and CD2AP-Dependent Pathways in Podocytes**

Sandhya Xavier, Thiruvur Niranjan, Stefanie Krick, Taoran Zhang, Wenjun Ju, Andrey S. Shaw, Mario Schiffer, and Erwin P. Böttinger

- 2138 **Reduction of Stat3 Activity Attenuates HIV-Induced Kidney Injury**

Xiaobei Feng, Ting-Chi Lu, Peter Y. Chuang, Wei Fang, Krishna Ratnam, Huabao Xiong, Xinshou Ouyang, Yuhong Shen, David E. Levy, Deborah Hyink, Mary Klotman, Vivette D'Agati, Ravi Iyengar, Paul E. Klotman, and John C. He

• See related editorial by Bruggeman (pp. 2085–2086).

- 2147 **Renal Primary Cilia Lengthen after Acute Tubular Necrosis**

Elizabeth Verghese, Sharon D. Ricardo, Raphael Weidenfeld, Junli Zhuang, Prudence A. Hill, Robyn G. Langham, and James A. Deane

- 2154 **Hypotonicity-Induced Renin Exocytosis from Juxtaglomerular Cells Requires Aquaporin-1 and Cyclooxygenase-2**

Ulla G. Friis, Kirsten Madsen, Per Svenningsen, Pernille B.L. Hansen, Ambika Gulaveerasingam, Finn Jørgensen, Christian Aalkjær, Ole Skøtt, and Boye L. Jensen

2162 The Orphan Nuclear Receptor SHP Attenuates Renal Fibrosis

Gwon-Soo Jung, Mi-Kyung Kim, Mi Sun Choe, Kyeong-Min Lee, Hye-Soon Kim, Young Joo Park, Hueng-Sik Choi, Ki-Up Lee, Keun-Gyu Park, and In-Kyu Lee

2171 ★ MMP9 Limits Apoptosis and Stimulates Branching Morphogenesis During Kidney Development

Catherine Arnould, Martine Lelièvre-Pégorier, Pierre Ronco, and Brigitte Lelongt

2181 ★ Podocin Inactivation in Mature Kidneys Causes Focal Segmental Glomerulosclerosis and Nephrotic Syndrome

Géraldine Mollet, Julien Ratelade, Olivia Boyer, Andrea Onetti Muda, Ludivine Morisset, Tiphaine Aguirre Lavin, David Kitzis, Margaret J. Dallman, Laurence Bugeon, Norbert Hubner, Marie-Claire Gubler, Corinne Antignac, and Ernie L. Esquivel

- See related editorial by Pollak (pp. 2086–2088).

2190 Biased Agonist Pharmacochaperones of the AVP V2 Receptor May Treat Congenital Nephrogenic Diabetes Insipidus

Frédéric Jean-Alphonse, Sanja Perkovska, Marie-Céline Frantz, Thierry Durroux, Catherine Méjean, Denis Morin, Stéphanie Loison, Dominique Bonnet, Marcel Hibert, Bernard Mouillac, and Christiane Mendre

CLINICAL EPIDEMIOLOGY

2205 ★ Cost-Effectiveness of Aliskiren in Type 2 Diabetes, Hypertension, and Albuminuria

Thomas E. Delea, Oleg Sofrygin, James L. Palmer, Helen Lau, Veronica C. Munk, Jennifer Sung, Alan Charney, Hans-Henrik Parving, and Sean D. Sullivan

2214 Method of Glomerular Filtration Rate Estimation Affects Prediction of Mortality Risk

Brad C. Astor, Andrew S. Levey, Lesley A. Stevens, Frederick Van Lente, Elizabeth Selvin, and Josef Coresh

- See related editorial by Reese and Feldman (pp. 2088–2090).

2223 ★ Warfarin Use Associates with Increased Risk for Stroke in Hemodialysis Patients with Atrial Fibrillation

Kevin E. Chan, J. Michael Lazarus, Ravi Thadhani, and Raymond M. Hakim

- See related editorial by Genovesi and Santoro (pp. 2090–2092).

CLINICAL RESEARCH

2235 The Soluble VEGF Receptor sFlt1 Contributes to Endothelial Dysfunction in CKD

Giovana S. Di Marco, Stefan Reuter, Uta Hillebrand, Susanne Amler, Maximilian König, Etienne Larger, Hans Oberleithner, Eva Brand, Hermann Pavenstädt, and Marcus Brand

2246 Endogenous Bradykinin Contributes to Increased Plasminogen Activator Inhibitor 1 Antigen following Hemodialysis

Annis M. Marney, Ji Ma, James M. Luther, T. Alp Ikizler, and Nancy J. Brown

2253 ★ DASH-Style Diet Associates with Reduced Risk for Kidney Stones

Eric N. Taylor, Teresa T. Fung, and Gary C. Curhan

2260 Combination of Peritubular C4d and Transplant Glomerulopathy Predicts Late Renal Allograft Failure

Niamh Kieran, Xiaotong Wang, James Perkins, Connie Davis, Elizabeth Kendrick, Ramaswamy Bakthavatsalam, Nancy Dunbar, Paul Warner, Karen Nelson, Kelly D. Smith, Roberto F. Nicosia, Charles E. Alpers, Nicolae Leca, and Jolanta Kowalewska

2269 ESRD Impairs Nonrenal Clearance of Fexofenadine but not Midazolam

Thomas D. Nolin, Reginald F. Frye, Phuong Le, Hooman Sadr, Judith Naud, Francois A. Leblond, Vincent Pichette, and Jonathan Himmelfarb