

This Month's Highlights

UP FRONT MATTERS

Editorials

- 3131 **Ets in the Kidney—Unraveling the Molecular Mechanism Underlying Renal Damage in Salt-Sensitive Hypertension**
Joseph C. Gigliotti and Thu H. Le
• See related article by Feng et al. (pp. 3239–3250).
- 3133 **New Insights into Fuel Choices of Nephron Progenitor Cells**
Leif Oxburgh and Clifford J. Rosen
• See related article by Liu et al. (pp. 3323–3335).
- 3135 **Extracellular Vesicles in Preeclampsia: Evolving Contributors to Proteinuria**
Elizabeth A. Phipps and Eliyahu V. Khankin
• See related article by Gilani et al. (pp. 3363–3372).
- 3137 **Why Diuretics Fail Failing Hearts**
Evan C. Ray, Cary R. Boyd-Shiwarski, and Thomas R. Kleyman
• See related article by Rao et al. (pp. 3414–3424).
- 3139 **Transplantation of Kidneys from HCV-Positive Donors: How to Best Use a Scarce Resource**
David Roth and Marco Ladino
- Perspective*
- 3142 **Kidney Disease in HIV: Moving beyond HIV-Associated Nephropathy**
Vasantha Jotwani, Mohamed G. Atta, and Michelle M. Estrella
- 3155 **How Dangerous Is Hyperkalemia?**
John R. Montford and Stuart Linas
- 3166 **The Evolving Complexity of the Podocyte Cytoskeleton**
Christoph Schell and Tobias B. Huber

BRIEF COMMUNICATIONS

- 3175 **Mannose-Binding Lectin Levels Could Predict Prognosis in IgA Nephropathy**
Wei-yi Guo, Li Zhu, Si-jun Meng, Su-fang Shi, Li-jun Liu, Ji-cheng Lv, and Hong Zhang
- 3182 **Farnesoid X Receptor Agonism Protects against Diabetic Tubulopathy: Potential Add-On Therapy for Diabetic Nephropathy**
Andi Marquardt, Moh'd Mohanad Al-Dabet, Sanchita Ghosh, Shrey Kohli, Jayakumar Manoharan, Ahmed ElWakiel, Ihsan Gadi, Fabian Bock, Sumra Nazir, Hongjie Wang, Jonathan A. Lindquist, Peter Paul Nawroth, Thati Madhusudhan, Peter R. Mertens, Khurram Shahzad, and Berend Isermann

BASIC RESEARCH

- 3191 **Endothelial NF- κ B Blockade Abrogates ANCA-Induced GN**
Mira Choi, Adrian Schreiber, Claudia Eulenberg-Gustavus, Claus Scheidereit, Jan Kamps, and Ralph Kettritz
- 3205 **Hepatocyte Nuclear Factor-1 β Controls Mitochondrial Respiration in Renal Tubular Cells**
Audrey Casemayou, Audren Fournel, Alessia Bagattin, Joost Schanstra, Julie Belliere, Stéphane Decramer, Dimitri Marsal, Marion Gillet, Nicolas Chassaing, Antoine Huart, Marco Pontoglio, Claude Knauf, Jean-Loup Bascands, Dominique Chauveau, and Stanislas Faguer
- 3218 **Breast Regression Protein-39/Chitinase 3-Like 1 Promotes Renal Fibrosis after Kidney Injury via Activation of Myofibroblasts**
Tinika A. Montgomery, Leyuan Xu, Sherene Mason, Amirtha Chinnadurai, Chun Geun Lee, Jack A. Elias, and Lloyd G. Cantley
- 3227 **Intracellular APOL1 Risk Variants Cause Cytotoxicity Accompanied by Energy Depletion**
Daniel Granado, Daria Müller, Vanessa Krausel, Ety Kruzel-Davila, Christian Schuberth, Melanie Eschborn,

Roland Wedlich-Söldner, Karl Skorecki, Hermann Pavenstädt, Ulf Michgehl, and Thomas Weide

3239 Haploinsufficiency of the Transcription Factor *Ets-1* Is Renoprotective in Dahl Salt-Sensitive Rats

Wenguang Feng, Bo Chen, Dongqi Xing, Xingsheng Li, Huma Fatima, Edgar A. Jaimes, and Paul W. Sanders

• See related editorial by Gigliotti and Le (pp. 3131–3133).

3251 ★MicroRNA-92a Mediates Endothelial Dysfunction in CKD

Fenqing Shang, Shen-Chih Wang, Chien-Yi Hsu, Yifei Miao, Marcy Martin, Yanjun Yin, Chih-Cheng Wu, Yun-Ting Wang, Gaihong Wu, Shu Chien, Hsien-Da Huang, Der-Cherng Tarn, Yan-Ting Shiu, Alfred K. Cheung, Po-Hsun Huang, Zhen Chen, and John Y.-J. Shyy

3262 A Heterologous Model of Thrombospondin Type 1 Domain-Containing 7A-Associated Membranous Nephropathy

Nicola M. Tomas, Catherine Meyer-Schwesinger, Hanning von Spiegel, Ahmed M. Kotb, Gunther Zahner, Elion Hoxha, Udo Helmchen, Nicole Endlich, Friedrich Koch-Nolte, and Rolf A.K. Stahl

3278 ★Yap/Taz Deletion in Gli⁺ Cell-Derived Myofibroblasts Attenuates Fibrosis

Ming Liang, Michael Yu, Ruohan Xia, Ke Song, Jun Wang, Jinlong Luo, Guang Chen, and Jizhong Cheng

3291 ★A Missense Mutation in the Extracellular Domain of α ENaC Causes Liddle Syndrome

Mahdi Salih, Ivan Gautschi, Miguel X. van Bemmelen, Michael Di Benedetto, Alice S. Brooks, Dorien Lugtenberg, Laurent Schild, and Ewout J. Hoorn

3300 Lysophosphatidic Acid Receptor Antagonism Protects against Diabetic Nephropathy in a Type 2 Diabetic Model

Ming-Zhi Zhang, Xin Wang, Haichun Yang, Agnes B. Fogo, Brian J. Murphy, Robert Kaltenbach, Peter Cheng, Bradley Zinker, and Raymond C. Harris

3312 PGC-1 α Protects from Notch-Induced Kidney Fibrosis Development

Seung Hyeok Han, Mei-yan Wu, Bo Young Nam, Jung Tak Park, Tae-Hyun Yoo, Shin-Wook Kang, Jihwan Park, Frank Chinga, Szu-Yuan Li, and Katalin Susztak

3323 Regulation of Nephron Progenitor Cell Self-Renewal by Intermediary Metabolism

Jiao Liu, Francesca Edgington-Giordano, Courtney Dugas, Anna Abrams, Prasad Katakam, Ryousuke Satou, and Zubaida Saifudeen

• See related editorial by Oxburgh and Rosen (pp. 3133–3135).

CLINICAL EPIDEMIOLOGY

3337 ★Association between Endothelin-1 Levels and Kidney Disease among Blacks

Casey M. Rebholz, Jane L. Harman, Morgan E. Grams, Adolfo Correa, Daichi Shimbo, Josef Coresh, and Bessie A. Young

3345 The Loss of *GSTM1* Associates with Kidney Failure and Heart Failure

Adrienne Tin, Robert Scharpf, Michelle M. Estrella, Bing Yu, Megan L. Grove, Patricia P. Chang, Kunihiko Matsushita, Anna Köttgen, Dan E. Arking, Eric Boerwinkle, Thu H. Le, Josef Coresh, and Morgan E. Grams

CLINICAL RESEARCH

3353 Class II Eplet Mismatch Modulates Tacrolimus Trough Levels Required to Prevent Donor-Specific Antibody Development

Chris Wiebe, David N. Rush, Thomas E. Nevins, Patricia E. Birk, Tom Blydt-Hansen, Ian W. Gibson, Aviva Goldberg, Julie Ho, Martin Karpinski, Denise Pochinco, Atul Sharma, Leroy Storsley, Arthur J. Matas, and Peter W. Nickerson

3363 Urinary Extracellular Vesicles of Podocyte Origin and Renal Injury in Preeclampsia

Sarwat I. Gilani, Ulrik Dolberg Anderson, Muthuvel Jayachandran, Tracey L. Weissgerber, Ladan Zand, Wendy M. White, Natasa Milic, Maria Lourdes Gonzalez Suarez, Rangit Reddy Vallapureddy, Åsa Nääv, Lena Erlandsson, John C. Lieske, Joseph P. Grande, Karl A. Nath, Stefan R. Hansson, and Vesna D. Garovic

• See related editorial by Phipps and Khankin (pp. 3135–3137).

3373 Urinary Matrix Metalloproteinase-7 Predicts Severe AKI and Poor Outcomes after Cardiac Surgery

Xiaobing Yang, Chunbo Chen, Siyuan Teng, Xiaorui Fu, Yan Zha, Huafeng Liu, Li Wang, Jianwei Tian, Xiangyan Zhang, Youhua Liu, Jing Nie, and Fan Fan Hou

3383 Association Analysis of the MHC in Lupus Nephritis

Ricong Xu, Qibin Li, Rongjun Liu, Juan Shen, Ming Li, Minghui Zhao, Meng Wang, Qijun Liao, Haiping Mao, Zhijian Li, Na Zhou, Peiran Yin, Yue Li, Xueqing Tang, Tian Wu, Zhong Zhong, Yan Wang, Zhen Ai, Ou Wang, Nan Chen, Xiaoqin Yang, Junbin Fang, Ping Fu, Jieruo Gu, Kun Ye, Jian Chen, Lie Dai, Huafeng Liu, Zhangsuo Liu, Yunhua Liao, Jianxin Wan, Guohua Ding, Jinghong Zhao, Hao Zhang, Shuxia Fu, Liangdan Sun, Xuejun Zhang, Huanming Yang, Jian Wang, Jun Wang, Jianjun Liu, Yingrui Li, and Xueqing Yu

3395 ★Characterization and Correction of Olfactory Deficits in Kidney Disease

Sagar U. Nigwekar, Jeremy M. Weiser, Sahir Kalim, Dihua Xu, Joshua L. Wibecan, Sarah M. Dougherty, Laurence Mercier-Lafond, Kristin M. Corapi, Nwamaka D. Eneanya, Eric H. Holbrook, Dennis Brown, Ravi I. Thadhani, and Teodor G. Păunescu

3404 ★Bosutinib versus Placebo for Autosomal Dominant Polycystic Kidney Disease

Vladimir Tesar, Kazimierz Ciechanowski, York Pei, Irina Barash, Megan Shannon, Ray Li,

Jason H. Williams, Matteo Levisetti, Steven Arkin, and Andreas Serra

3414 Compensatory Distal Reabsorption Drives Diuretic Resistance in Human Heart Failure

Veena S. Rao, Noah Planavsky, Jennifer S. Hanberg, Tariq Ahmad, Meredith A. Brisco-Bacik, Francis P. Wilson, Daniel Jacoby, Michael Chen, W.H. Wilson Tang, David Z.I. Cherney, David H. Ellison, and Jeffrey M. Testani

• See related editorial by Ray *et al.* (pp. 3137–3138).

3425 ERRATUM