This Month's Highlights

UP FRONT MATTERS

Editorials

233 Unraveling the Complexity of the Renal Mononuclear Phagocyte System by Genetic Cell Lineage Tracing
Alexander M.C. Böhner, Susanne F. Viehmann, and Christian Kurts
• See related article by Salei et al. (pp. 257–278).

235 New Paradigm for Cytoskeletal Organization in Podocytes: Proteolytic Fragments of INF2 Formin Function Independently of INF2 Actin Regulatory Activity
Mira Krendel and David Pruyne
• See related article by Subramanian et al. (pp. 374–391).

236 Renal Functional Decline in Sickle Cell Disease and Trait
Karl A. Nath and Gregory M. Vercellotti
• See related article by Olaniran et al. (pp. 393–404).

238 The Dialysis Safety Net: Who Cares for Those Without Medicare?
Rebecca Thorsness and Amal N. Trivedi
• See related article by Erickson et al. (pp. 424–433).

Review

241 CFHR Gene Variations Provide Insights in the Pathogenesis of the Kidney Diseases Atypical Hemolytic Uremic Syndrome and C3 Glomerulopathy
Peter F. Zipfel, Thorsten Wiech, Emma D. Stea, and Christine Skerka

BASIC RESEARCH

257 The Kidney Contains Ontogenetically Distinct Dendritic Cell and Macrophage Subtypes throughout Development That Differ in Their Inflammatory Properties
Natallia Salei, Stephan Rambichler, Johanna Salvermoser, Nikos E. Papaioannou, Ronja Schuchert,

Dalia Pakalniškystė, Na Li, Julian A. Marschner, Julia Lichtneket, Christopher Stremmel, Filippo M. Cemilogar,
Melanie Salvermoser, Barbara Walzog, Tobias Straub,
Gunnar Schotta, Hans-Joachim Anders, Christian Schulz, and Barbara U. Schraml

280 Drugs Repurposed as Antiferroptosis Agents Suppress Organ Damage, Including AKI, by Functioning as Lipid Peroxyl Radical Scavengers
Eikan Mishima, Emiko Sato, Junya Ito, Ken-ichi Yamada,
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Koichi Kikuchi, Takafumi Toyohara, Takehiro Suzuki,
Sadayoshi Ito, Kiyotaka Nakagawa, and Takaaki Abe

297 Kinin B1 Receptor Is Important in the Pathogenesis of Myeloperoxidase-Specific ANCA GN
Peiqi Hu, Hua Su, Hong Xiao, Shen-Ju Gou,
Carolina A. Herrera, Marco A. Alba, Masao Kakoki,
Ronald J. Falk, and J. Charles Jennette

309 Whole-Genome Sequencing of Finnish Type 1 Diabetic Siblings Discordant for Kidney Disease Reveals DNA Variants associated with Diabetic Nephropathy
Jing Guo, Owen J. L. Rackham, Niina Sandholm,
Bing He, Anne-May Osterholm, Erkka Valo, Valma Harjutsalo, Carol Forsblom, Iiro Toppila, Maija Parkkonen, Qibin Li, Wenjuan Zhu, Nathan Hamston,
Sonja Chothani, Miina K. Öhman, Eudora Eng, Yang Sun,
Enrico Petretto, Per-Henrik Groop, and Karl Tryggvason

324 BP Fluctuations and the Real-Time Dynamics of Renal Blood Flow Responses in Conscious Rats
Anil K. Bidani, Aaron J. Polichnowski, Hector Licea-Vargas, Jianrui Long, Stephanie Kliethermes,
Geoffrey A. Williamson, and Karen A. Griffin

337 Loss of Histone H3 K79 Methyltransferase Dot1l Facilitates Kidney Fibrosis by Upregulating Endothelin 1 through Histone Deacetylase 2
Long Zhang, Lihe Chen, Chao Gao, Enuo Chen,
Andrea R. Lightle, Llewellyn Foulke, Bihong Zhao,
Paul J. Higgins, and Wenzheng Zhang

Red star ★ indicates articles that are features in This Month’s Highlights.
Therapeutic Myeloperoxidase Inhibition Attenuates Neutrophil Activation, ANCA-Mediated Endothelial Damage, and Crescentic GN
Marilina Antonelou, Erik Michaëlsson, Rhys D.R. Evans, Chun Jing Wang, Scott R. Henderson, Lucy S.K. Walker, Robert John Unwin, Alan D. Salama, and RAVE-ITN Investigators

Large-Scale Whole-Genome Sequencing Reveals the Genetic Architecture of Primary Membranoproliferative GN and C3 Glomerulopathy
Adam P. Levine, Melanie M.Y. Chan, Omid Sadeghi-Alavijeh, Edwin K.S. Wong, H. Terence Cook, Sofie Ashford, Keren Carss, Martin T. Christian, Matthew Hall, Claire Louise Harris, Paul McAlindien, Kevin J. Marchbank, Stephen D. Marks, Heather Maxwell, Karyn Megy, Christopher J. Penkett, Monika Mozere, Kathleen E. Stirrup, Salih Tuna, Julie Wessels, Deborah Whitehorn, MPGN/DDD/C3 Glomerulopathy Rare Disease Group, NIHR BioResource, Sally A. Johnson, and Daniel P. Gale

FSGS-Causing INF2 Mutation Impairs Cleaved INF2 N-Fragment Functions in Podocytes
Balajikarthick Subramanian, Justin Chun, Chandra Perez-Gill, Paul Yan, Isaac E. Stillman, Henry N. Higgs, Seth L. Alper, Johannes S. Schlöndorff, and Martin R. Pollak

Kidney Function Decline among Black Patients with Sickle Cell Trait and Sickle Cell Disease: An Observational Cohort Study

Kidney Structural Features from Living Donors Predict Graft Failure in the Recipient

Safety-Net Care for Maintenance Dialysis in the United States
Kevin F. Erickson, Jenny I. Shen, Bo Zhao, Wolfgang C. Winkelmann, Glenn M. Chertow, Vivian Ho, and Jay Bhattacharya

Clinical Features and Outcomes of Immune Checkpoint Inhibitor–Associated AKI: A Multicenter Study

Age-Dependent Definition of CKD
Howard Trachtman

Current CKD Definition Takes into Account Both Relative and Absolute Risk
Josef Coresh, and Ron T. Gansevoort on behalf of the CKD Prognosis Consortium, Adeera Levin, and Michel Jadoul on behalf of KDIGO

Incident Hospitalization with Major Cardiovascular Diseases and Subsequent Risk of ESKD: Implications for Cardiorenal Syndrome
Junichi Ishigami, Logan T. Cowan, Ryan T. Demmer, Morgan E. Grams, Pamela L. Lutsey, Juan-Jesus Carrero, Jospe Coresh, and Kunihiro Matsushita

Authors’ Reply
Andrew D. Rule, Kitty J. Jager, Jan A.J.G. van den Brand, and Pierre Delanaye