This Month’s Highlights

**UP FRONT MATTERS**

**Editorials**

1 Twenty Years Already?
Vivian Siegel, Raymond Harris, and Eric G. Neilson, for the Associate Editors and Editorial Board

1 The Birth and Early Development of JASN
Jared J. Grantham and Lawrence P. Sullivan

2 Does TREAT Give the Boot to ESAs in the Treatment of CKD Anemia?
Ajay K. Singh

6 Staying on Top of Things Right from the Start: The Obsessive-Compulsive Disorder of Regulatory T Cells
Oliver M. Steinmetz, Jan-Eric Turner, and Ulf Panzer
  • See related article by Eller et al. (pp. 42–52).

7 Sorting out Lysosomal Trafficking of the Thiazide-Sensitive Na-Cl Co-transporter
Arohan R. Subramanya and David H. Ellison
  • See related article by Zhou et al. (pp. 82–92).

9 Management of Symptomatic Carotid Stenosis in Individuals with CKD
Rebecca F. Gottesman and Stephen M. Sozio
  • See related article by Mathew et al. (pp. 145–152).

11 Protection from Cancer in Kidney Transplant Patients by γδ T Cells: Role of CMV Infection?
Cecilia Söderberg-Nauclér
  • See related article by Couzi et al. (pp. 181–188).

**Clinical Commentary**

14 Role of Rituximab Therapy in Glomerulonephritis
David Jayne

**Brief Reviews**

18 The Biology of the (Pro)Renin Receptor
Genevieve Nguyen and Dominik N. Muller

24 Ureter Myogenesis: Putting Teashirt into Context
Claire M. Lye, Laurent Fasano, and Adrian S. Woolf

**BASIC RESEARCH**

31 Activation of p53 Promotes Renal Injury in Acute Aristolochic Acid Nephropathy
Li Zhou, Ping Fu, Xiao R. Huang, Fei Liu, Kar Neng Lai, and Hui Y. Lan

42 CCR7 Deficiency Exacerbates Injury in Acute Nephritis Due to Aberrant Localization of Regulatory T Cells
  • See related editorial by Steinmetz, Turner, and Panzer (pp. 6–7).

53 Renal Dendritic Cells Ameliorate Nephrotoxic Acute Kidney Injury
Raghu K. Tadagavadi and W. Brian Reeves

64 Homozygous SLC2A9 Mutations Cause Severe Renal Hypouricemia
Dganit Dinour, Nicola K. Gray, Susan Campbell, Xinhua Shu, Lindsay Sawyer, William Richardson, Gideon Rechavi, Ninette Amariglio, Liat Ganon, Ben-Ami Sela, Hilla Bahat, Michael Goldman, Joshua Weissgarten, Michael R. Millar, Alan F. Wright, and Eliezer J. Holtzman

Red star ★ indicates articles that are features in This Month’s Highlights.
73  ER Stress Depresses NF-κB Activation in Mesangial Cells through Preferential Induction of C/EBPβ
Kunihiro Hayakawa, Shotaro Nakajima, Nobuhiko Hiramatsu, Maro Okamura, Tao Huang, Yukinori Saito, Yasuhiro Tagawa, Minoru Tamai, Shuhei Takahashi, Jian Yao, and Masanori Kitamura

82  ★ WNK4 Enhances the Degradation of NCC through a Sortilin-Mediated Lysosomal Pathway
Bo Zhou, Jieqiu Zhuang, Dingying Gu, Hua Wang, Liudmila Cebotaru, William B. Guggino, and Hui Cai
*See related editorial by Subramanya and Ellison (pp. 7–9).*

87  NAD(P)H Oxidase Mediates TGF-β1–Induced Activation of Kidney Myofibroblasts
Corry D. Bondi, Nagaraj Manickam, Duck Yoon Lee, Karen Block, Yves Gorin, Hanna E. Abboud, and Jeffrey L. Barnes

93  Chronic Mineral Dysregulation Promotes Vascular Smooth Muscle Cell Adaptation and Extracellular Matrix Calcification
Rukshana C. Shroff, Rosamund McNair, Jeremy N. Skepper, Nichola Figg, Leon J. Schurgers, John Deanfield, Lesley Rees, and Catherine M. Shanahan

103  Whole-Genome Linkage and Association Scan in Primary, Nonsyndromic Vescoureteric Reflux
Heather J. Cordell, Rebecca Darlay, Pimphen Charoen, Aisling Stewart, Ambrose M. Gullett, Heather J. Lambert, Sue Malcolm, Sally A. Feather, Timothy H.J. Goodship, Adrian S. Woolf, Rajko B. Kendi, and Judith A. Goodship, for the UK VUR Study Group

113  Dickkopf-1 Promotes Hyperglycemia-Induced Accumulation of Mesangial Matrix and Renal Dysfunction
Chun-Liang Lin, Jeng-Yi Wang, Jih-Yang Ko, Yu-Ting Huang, Yu-Hsia Kuo, and Feng-Sheng Wang

137  Masked Hypertension Associates with Left Ventricular Hypertrophy in Children with CKD
Mark Mitsnefes, Joseph Flynn, Silvia Cohn, Joshua Samuels, Tom Blydt-Hansen, Jeffrey Saland, Thomas Kimball, Susan Furth, and Bradley Warady, for the CKiD Study Group

145  ★ Carotid Endarterectomy Benefits Patients with CKD and Symptomatic High-Grade Stenosis
Anna Mathew, Michael Eliaziw, P.J. Devereaux, Jose G. Merino, Henry J.M. Barnett, and Amit X. Garg for the North American Symptomatic Carotid Endarterectomy Trial (NASCET) Collaborators
*See related editorial by Gottesman and Sozio (pp. 9–11).*

153  Delayed Graft Function and the Risk for Death with a Functioning Graft

163  Development of Focal Segmental Glomerulosclerosis after Anabolic Steroid Abuse
Leal C. Herlitz, Glen S. Markowitz, Alton B. Farris, Joshua A. Schwimmer, Michael B. Stokes, Cheryl Kunis, Robert B. Colvin, and Vivette D. D’Agati

173  ★ Molecular Phenotypes of Acute Rejection Predict Kidney Graft Prognosis
Ondrej Viklicky, Petra Hribova, Hans-Dieter Volk, Janka Slatinska, Jan Petrasek, Stepan Bandur, Eva Honsova, and Petra Reinke

181  ★ Cytomegalovirus-Induced γδ T Cells Associate with Reduced Cancer Risk after Kidney Transplantation
Lionel Couzi, Yann Levaillant, Abdellah Jamai, Vincent Pitard, Regis Lassalle, Karin Martin, Isabelle Garrigue, Omar Hawchar, François Siberchicot, Nicholas Moore, Jean-François Moreau, Julie Dechanet-Merville, and Pierre Merville
*See related editorial by Söderberg-Nauclér (pp. 11–13).*

189  IL-18 and Urinary NGAL Predict Dialysis and Graft Recovery after Kidney Transplantation
Isaac E. Hall, Sri G. Yarlagadda, Steven G. Coca, Zhu Wang, Mona Doshi, Prasad Devarajan, Won K. Han, Richard J. Marcus, and Chirag R. Parikh