

This Month's Highlights

UP FRONT MATTERS

Editorials

- 1131 **The Proximal Tubule in Cystinosis: Fight or Flight?**
Robert L. Chevalier

• See related articles by Gaide Chevronnay et al. (pp. 1256–1269); and Prencipe et al. (pp. 1163–1169).

- 1133 **Does the Greater Omentum (“Policeman of the Abdomen”) Possess Therapeutic Utility in CKD?**
Christof Westenfelder

• See related article by Garcia-Gomez et al. (pp. 1270–1281).

- 1135 **Health Insurance, Access to Care, and ESRD: An Intricate Web**

Rajnish Mehrotra and Larry Kessler

• See related article by Kurella-Tamura et al. (pp. 1321–1329).

- 1137 **Phospholipase A2 Receptor Antibodies in Membranous Nephropathy: Unresolved Issues**
Julia M. Hofstra and Jack F.M. Wetzels

• See related article by Hoxha et al. (pp. 1357–1366).

Brief Reviews

- 1140 **Vasopressin-2 Receptor Signaling and Autosomal Dominant Polycystic Kidney Disease: From Bench to Bedside and Back Again**

Markus M. Rinschen, Bernhard Schermer, and Thomas Benzing

- 1148 **Mechanism of Salt-Sensitive Hypertension: Focus on Adrenal and Sympathetic Nervous Systems**
Toshiro Fujita

BRIEF COMMUNICATIONS

- 1157 ★ **Formoterol Restores Mitochondrial and Renal Function after Ischemia-Reperfusion Injury**
Sean R. Jesinkey, Jason A. Funk, L. Jay Stallons, Lauren P. Wills, Judit K. Megyesi, Craig C. Beeson, and Rick G. Schnellmann

- 1163 **Inflammasome Activation by Cystine Crystals: Implications for the Pathogenesis of Cystinosis**
Giusi Prencipe, Ivan Caiello, Stephanie Cherqui, Thomas Whisenant, Stefania Petrini, Francesco Emma, and Fabrizio De Benedetti
- See related editorial by Chevalier (pp. 1131–1132).

BASIC RESEARCH

- 1171 **Thrombospondin-1 Activation of Signal-Regulatory Protein- α Stimulates Reactive Oxygen Species Production and Promotes Renal Ischemia Reperfusion Injury**

Mingyi Yao, Natasha M. Rogers, Gábor Csányi, Andres I. Rodriguez, Mark A. Ross, Claudette St. Croix, Heather Knupp, Enrico M. Novelli, Angus W. Thomson, Patrick J. Pagano, and Jeffrey S. Isenberg

- 1187 **Characterization of Renal Toxicity in Mice Administered the Marine Biotxin Domoic Acid**
Jason A. Funk, Michael G. Janech, Joshua C. Dillon, John J. Bissler, Brian J. Siroky, and P. Darwin Bell

- 1198 **Angiotensin-2–Induced Arterial Stiffness in CKD**
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- 1211 **Rapid and Efficient Differentiation of Human Pluripotent Stem Cells into Intermediate Mesoderm That Forms Tubules Expressing Kidney Proximal Tubular Markers**
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- 1226 ★ **Renalase Prevents AKI Independent of Amine Oxidase Activity**
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1237 ★ **Genetic Targeting or Pharmacologic Inhibition of NADPH Oxidase Nox4 Provides Renoprotection in Long-Term Diabetic Nephropathy**
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• See related editorial by Chevalier (pp. 1131–1132).

1270 **Activated Omentum Slows Progression of CKD**
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• See related editorial by Westenfelder (pp. 1133–1135).

1282 **O-Linked Glycosylation Determines the Nephritogenic Potential of IgA Rheumatoid Factor**
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1357 **Phospholipase A2 Receptor Autoantibodies and Clinical Outcome in Patients with Primary Membranous Nephropathy**
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• See related editorial by Hofstra and Wetzels (pp. 1137–1139).