

This Month's Highlights

UP FRONT MATTERS

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- 1575 **Celebrating the ASN at 50**
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- 1577 **Cathepsin S–Dependent Protease–Activated Receptor-2 Activation: A New Mechanism of Endothelial Dysfunction**
David J. Nikolic-Paterson
• See related article by Kumar VR et al. (pp. 1635–1649).
- 1579 **The Ever–Expanding Kidney Repair Shop**
Benjamin Dekel
• See related article by Sharmin et al. (pp. 1778–1791).
- 1581 **Mushroom Clouds for Vitamin D?**
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• See related article by Miskulin et al. (pp. 1801–1810).
- 1584 **Busy Bs**
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• See related article by Colucci et al. (pp. 1811–1822).
- Brief Reviews*
- 1587 **Lithium in the Kidney: Friend and Foe?**
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- 1596 **Alternative Splicing in CKD**
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- Special Article*
- 1604 **Enhancing Nephrology Career Interest through the ASN Kidney TREKS Program**
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BRIEF COMMUNICATIONS

- 1609 **Autophagy Induces Prosenescent Changes in Proximal Tubular S3 Segments**
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- 1617 **A De Novo Deletion in the Regulators of Complement Activation Cluster Producing a Hybrid Complement Factor H/Complement Factor H–Related 3 Gene in Atypical Hemolytic Uremic Syndrome**
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BASIC RESEARCH

- 1625 **Androgens Enhance Male Urinary Tract Infection Severity in a New Model**
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- 1635 **Cathepsin S Cleavage of Protease-Activated Receptor-2 on Endothelial Cells Promotes Microvascular Diabetes Complications**
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• See related editorial by Nikolic-Paterson (pp. 1577–1579).

- 1650 ★Macrophage Migration Inhibitory Factor Mediates Proliferative GN via CD74**
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- 1665 A Familial C3GN Secondary to Defective C3 Regulation by Complement Receptor 1 and Complement Factor H**
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- 1678 Cystinosin is a Component of the Vacuolar H⁺-ATPase-Ragulator-Rag Complex Controlling Mammalian Target of Rapamycin Complex 1 Signaling**
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- 1702 ★RNA Sequencing Identifies Novel Translational Biomarkers of Kidney Fibrosis**
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- 1714 Extrarenal Progenitor Cells Do Not Contribute to Renal Endothelial Repair**
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- 1727 Sustained Activation of Wnt/ β -Catenin Signaling Drives AKI to CKD Progression**
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- 1741 Renal Therapeutic Angiogenesis Using a Bioengineered Polymer-Stabilized Vascular Endothelial Growth Factor Construct**
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- 1765 Antiaging Gene *Klotho* Regulates Adrenal CYP11B2 Expression and Aldosterone Synthesis**
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- 1778 Human Induced Pluripotent Stem Cell-Derived Podocytes Mature into Vascularized Glomeruli upon Experimental Transplantation**
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- CLINICAL EPIDEMIOLOGY**
- 1793 ★Hypomagnesemia and the Risk of New-Onset Diabetes Mellitus after Kidney Transplantation**
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- 1811 B Cell Reconstitution after Rituximab Treatment in Idiopathic Nephrotic Syndrome**
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- 1823 Prognostic Value of Coronary Flow Reserve in Patients with Dialysis-Dependent ESRD**
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1830 Long-Term Effects of Frequent In-Center Hemodialysis

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1847 ★Six Months of Hydroxyurea Reduces Albuminuria in Patients with Sickle Cell Disease

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1861 Refining Genotype-Phenotype Correlation in Autosomal Dominant Polycystic Kidney Disease

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