

## This Month's Highlights

### UP FRONT MATTERS

#### Editorials

1 **The Quality of Reporting of Kidney Research: A Challenge to JASN**

Josephine P. Briggs

- See related special article by Tomidis et al. (pp. 13–22).

3 **Growth of the ESKD Population: Progress or Peril?**

Allan J. Collins

- See related article by McCullough et al. (pp. 127–135).

4 **Postoperative AKI—Prevention Is Better than Cure?**

Samira Bell and John Prowle

- See related article by Park et al. (pp. 170–181).

#### Perspective

7 **Improving Clinical Outcomes in the Era of Information Ubiquity**

Robert M. Califf

#### Special Article

13 ★ **Quantity and Reporting Quality of Kidney Research**

Markos Kyriakos Tomidis Chatzimanouil, Louise Wilkens, and Hans-Joachim Anders

- See related editorial by Briggs (pp. 1–2).

### RAPID COMMUNICATION

23 ★ **Advantages of Single-Nucleus over Single-Cell RNA Sequencing of Adult Kidney: Rare Cell Types and Novel Cell States Revealed in Fibrosis**

Haojia Wu, Yuhei Kirita, Erinn L. Donnelly, and Benjamin D. Humphreys

### BASIC RESEARCH

33 **The MEK Inhibitor Trametinib Ameliorates Kidney Fibrosis by Suppressing ERK1/2 and mTORC1 Signaling**

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50 **Nucleophosmin Phosphorylation as a Diagnostic and Therapeutic Target for Ischemic AKI**

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63 **DNA Methyltransferase 1 Controls Nephron Progenitor Cell Renewal and Differentiation**

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80 **Expression Profiling of Fibroblasts in Chronic and Acute Disease Models Reveals Novel Pathways in Kidney Fibrosis**

Atsuko Y. Higashi, Bruce J. Aronow, and Gregory R. Dressler

96 ★ **Morphological Processes of Foot Process Effacement in Puromycin Aminonucleoside Nephrosis Revealed by FIB/SEM Tomography**

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110 **Endogenous Notch Signaling in Adult Kidneys Maintains Segment-Specific Epithelial Cell Types of the Distal Tubules and Collecting Ducts to Ensure Water Homeostasis**

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## CLINICAL EPIDEMIOLOGY

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- See related editorial by Collins (pp. 3–4).

137 ★ **Sex-Related Disparities in CKD Progression**

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170 ★ **Simple Postoperative AKI Risk (SPARK) Classification before Noncardiac Surgery: A Prediction Index Development Study with External Validation**

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- See related editorial by Bell and Prowle (pp. 4–6).

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