

## This Month's Highlights

### UP FRONT MATTERS

#### Obituary

- 1161 **The Bill Schwartz I Knew**  
Arnold S. Relman

#### Editorials

- 1162 **Finding New Sea Legs for Urine Proteomics**  
Eric G. Neilson  
• See related article by Knepper et al. (pp. 1175–1178).
- 1162 **Vascular Calcification: The Three-Hit Model**  
Sharon M. Moe  
• See related article by Westenfeld et al. (pp. 1264–1274).
- 1164 **Illuminating Mitochondrial Function and Dysfunction using Multiphoton Technology**  
Joel M. Weinberg and Bruce A. Molitoris  
• See related article by Hall et al. (pp. 1293–1302).
- 1166 **Splicing a Kinase and the Regulation of Salt Transport**  
David B. Mount  
• See related article by Glover et al. (pp. 1314–1322).
- 1168 **How Long Can We Afford to Wait for Equity in the Renal Transplant Waiting List?**  
Keith C. Norris and Lawrence Y. Agodoa  
• See related article by Patzer et al. (pp. 1333–1340).
- 1170 **Anti-IL-2 Receptor Antibodies versus Anti-Thymocyte Globulin for Induction Therapy in Kidney Transplantation**  
Didier Mandelbrot  
• See related article by Noël et al. (pp. 1385–1392).

- 1172 **Complex Renal Traits: Role of Adrenergic Genetic Polymorphism**

Maple M. Fung and Daniel T. O'Connor  
• See related article by Haase-Fielitz et al. (pp. 1393–1403).

#### Occasional Observation

- 1175 **Common Sense Approaches to Urinary Biomarker Study Design**  
Mark A. Knepper  
• See related editorial by Neilson (p. 1162).

#### Brief Review

- 1179 **The Mesangial Cell Revisited: No Cell Is an Island**  
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#### Special Articles

- 1188 **2008 Homer W. Smith Award: Insights into the Pathogenesis of Polycystic Kidney Disease from Gene Discovery**  
Peter C. Harris
- 1199 **Prediction, Progression, and Outcomes of Chronic Kidney Disease in Older Adults**  
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#### Pathophysiology of the Renal Biopsy

- 1210 **The Renal Lesions of Alport Syndrome**  
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## BRIEF COMMUNICATION

- 1217 ★ **Reduced Production of Creatinine Limits Its Use as Marker of Kidney Injury in Sepsis**  
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## BASIC RESEARCH

- 1223 **Loss of TIMP3 Enhances Interstitial Nephritis and Fibrosis**  
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- 1236 **CKD Accelerates Development of Neointimal Hyperplasia in Arteriovenous Fistulas**  
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- 1246 **Thiosulfate Reduces Calcium Phosphate Nephrolithiasis**  
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- 1254 ★ **Ferritin Prevents Calcification and Osteoblastic Differentiation of Vascular Smooth Muscle Cells**  
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- 1264 **Fetuin-A Protects against Atherosclerotic Calcification in CKD**  
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• See related editorial by Moe (pp. 1162–1164).
- 1275 **P2X<sub>7</sub> Deficiency Attenuates Renal Injury in Experimental Glomerulonephritis**  
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- 1282 **Invariant Natural Killer T Cells and TGF- $\beta$  Attenuate Anti-GBM Glomerulonephritis**  
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- 1293 ★ **Multiphoton Imaging Reveals Differences in Mitochondrial Function between Nephron Segments**  
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• See related editorial by Weinberg and Molitoris (pp. 1164–1166).
- 1303 **Reduction of Renal Superoxide Dismutase in Progressive Diabetic Nephropathy**  
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- 1314 **Renal and Brain Isoforms of WNK3 Have Opposite Effects on NCCT Expression**  
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- 1323 **Functional *TauT* Protects Against Acute Kidney Injury**  
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• See related editorial by Norris and Agodoa (pp. 1168–1170).
- 1341 **Association of CKD and Cancer Risk in Older People**  
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- 1351 **"Nature versus Nurture" Study of Deceased-Donor Pairs in Kidney Transplantation**  
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## CLINICAL RESEARCH

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- 1368 **Oxidized LDL Modulates Apoptosis of Regulatory T Cells in Patients with ESRD**  
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- 1385 ★ **Daclizumab versus Antithymocyte Globulin in High-Immunological-Risk Renal Transplant Recipients**  
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- 1393 ★ **Decreased Catecholamine Degradation Associates with Shock and Kidney Injury after Cardiac Surgery**  
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• See related editorial by Fung and O'Connor (pp. 1172–1174).
- 1404 **ABCB1 Genotypes Predict Cyclosporine-Related Adverse Events and Kidney Allograft Outcome**  
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