

## This Month's Highlights

### UP FRONT MATTERS

#### Obituary

- 923 **A Tribute to Willem Johan Kolff, M.D., 1912–2009**  
Lee W. Henderson

#### Editorials

- 925 **17 and 23: Prime Numbers that Matter**  
Sally Hamour and Alan D. Salama  
• See related articles by Paust et al. (pp. 969–979) and Ooi et al. (pp. 980–989).
- 927 **Microvesicles from Mesenchymal Stromal Cells Protect against Acute Kidney Injury**  
Joseph V. Bonventre  
• See related article by Bruno et al. (pp. 1053–1067).
- 929 **CKD Classification: Time to Move Beyond KDOQI**  
T. Alp Ikizler  
• See related article by Hallan et al. (pp. 1069–1077).
- 930 **Lessons from Geographic Variations in Predialysis Nephrology Care**  
Wolfgang C. Winkelmayer  
• See related article by McClellan et al. (pp. 1078–1085).

#### Brief Review

- 933 **Sympathetic Activation in Chronic Renal Failure**  
Markus P. Schlaich, Flora Socratous, Sarah Hennebry, Nina Eikelis, Elisabeth A. Lambert, Nora Straznicky, Murray D. Esler, and Gavin W. Lambert

#### Special Article

- 940 **Liver-Kidney Transplantation to Cure Atypical Hemolytic Uremic Syndrome**  
Jeffrey M. Saland, Piero Ruggenenti, Giuseppe Remuzzi, and the Consensus Study Group

#### Science in Renal Medicine

- 950 **Sensitizing the Slit Diaphragm with TRPC6 Ion Channels**  
Clemens C. Möller, Jan Flesche, and Jochen Reiser

#### BRIEF COMMUNICATIONS

- 955 **Initial FGF23-Mediated Signaling Occurs in the Distal Convoluted Tubule**  
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- 961 ★ **Patients with ACTN4 Mutations Demonstrate Distinctive Features of Glomerular Injury**  
Joel M. Henderson, Mariam P. Alexander, and Martin R. Pollak

#### BASIC RESEARCH

- 969 **The IL-23/Th17 Axis Contributes to Renal Injury in Experimental Glomerulonephritis**  
Hans-Joachim Paust, Jan-Eric Turner, Oliver M. Steinmetz, Anett Peters, Felix Heymann, Christoph Hölscher, Gunter Wolf, Christian Kurts, Hans-Willi Mittrücker, Rolf A.K. Stahl, and Ulf Panzer  
• See related editorial by Hamour and Salama (pp. 925–927).

- 980 **IL-23, not IL-12, Directs Autoimmunity to the Goodpasture Antigen**  
Joshua D. Ooi, Richard K.S. Phoon, Stephen R. Holdsworth, and A. Richard Kitching  
• See related editorial by Hamour and Salama (pp. 925–927).
- 990 **LIP5 Interacts with Aquaporin 2 and Facilitates Its Lysosomal Degradation**  
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- 1002 **Activation of the Succinate Receptor GPR91 in Macula Densa Cells Causes Renin Release**  
Sarah Laurin Vargas, Ildikó Toma, Jung Julie Kang, Elliott James Meer, and János Peti-Peterdi
- 1012 **Reactive Immunization Suppresses Advanced Glycation and Mitigates Diabetic Nephropathy**  
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- 1020 ★ **Chordin-like 1 and Twisted Gastrulation 1 Regulate BMP Signaling following Kidney Injury**  
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- 1032 **IL-6 and TNF- $\alpha$  Synergistically Inhibit Allograft Acceptance**  
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- 1041 **Urine Podocyte mRNAs Mark Progression of Renal Disease**  
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- 1053 ★ **Mesenchymal Stem Cell-Derived Microvesicles Protect Against Acute Tubular Injury**  
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• See related editorial by Bonventre (pp. 927–928).

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- 1069 ★ **Combining GFR and Albuminuria to Classify CKD Improves Prediction of ESRD**  
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• See related editorial by Ikizler (pp. 929–930).
- 1078 **Treatment Center and Geographic Variability in Pre-ESRD Care Associate with Increased Mortality**  
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• See related editorial by Winkelmayr (pp. 930–932).
- 1086 **Cystatin C Associates with Arterial Stiffness in Older Adults**  
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- 1094 **Rosiglitazone Is Associated with Mortality in Chronic Hemodialysis Patients**  
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- 1103 **Mycophenolate Mofetil versus Cyclophosphamide for Induction Treatment of Lupus Nephritis**  
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- 1113 Regulatory, Effector, and Cytotoxic T Cell Profiles in Long-Term Kidney Transplant Patients**  
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- 1140 ★ Plasma Gelsolin and Circulating Actin Correlate with Hemodialysis Mortality**  
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- 1149 ★ Molecular Correlates of Renal Function in Kidney Transplant Biopsies**  
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