This Month’s Highlights

UP FRONT MATTERS

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2797 Interferon-β: A Novel Way to Treat Nephrotic Syndrome?
Andrew J. Rees and Renate Kain
• See related article by Satchell et al. (pp. 2875–2884).

2798 Aquaporin 1, Urea Transporters, and Renal Vascular Bundles
Thomas L. Pallone
• See related article by Zhai et al. (pp. 2937–2944).

2800 The Wages of Thin
Clifford E. Kashtan
• See related article by Voskarides et al. (pp. 3004–3016).

Occasional Observations
2803 Chronic Kidney Disease—The Promise and the Perils
William G. Couser

Clinical Commentary
2806 Quantitative Appraisal of Treatment Options for IgA Nephropathy
Francis W. Ballardie

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2810 Antimicrobial Peptides, Innate Immunity, and the Normally Sterile Urinary Tract
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2817 Role of Environmental Toxins in Endemic (Balkan) Nephropathy
Arthur P. Grollman and Bojan Jelaković

2824 2006 Homer W. Smith Lecture: Taming T Cells
Terry B. Strom

Pathophysiology of the Renal Biopsy
2870 Acute Renal Failure and Myalgia in a Transplant Patient
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BASIC RESEARCH

2875 ★ Interferon-β Reduces Proteinuria in Experimental Glomerulonephritis
• See related editorial by Rees and Kain (pp. 2797–2798)

Red star ★ indicates articles that are features in This Month’s Highlights.
2885 Glomerular Endothelial Glycocalyx Constitutes a Barrier to Protein Permeability
Anurag Singh, Simon C. Satchell, Chris R. Neal, Edward A. McKenzie, John E. Tooke, and Peter W. Mathieson

2894 Renal L-Type Fatty Acid–Binding Protein in Acute Ischemic Injury

2903 Mitogenic Signaling via Platelet-Derived Growth Factor β in Metanephric Mesenchymal Cells
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2912 Viscosity of Contrast Media Perturbs Renal Hemodynamics
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2921 Insulin-Like Growth Factor-1 Sustains Stem Cell–Mediated Renal Repair
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2929 Importance of Donor- and Recipient-Derived Selectins in Cardiac Allograft Rejection
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2937 Aquaporin-1 Is not Expressed in Descending Thin Limbs of Short-Loop Nephrons
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2945 Diabetic Nephropathy Is Associated with Oxidative Stress and Decreased Renal Nitric Oxide Production
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2953 Prevalence of Chronic Kidney Disease and Survival among Aboriginal People
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2960 Significance of Frailty among Dialysis Patients
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2968 Racial Differences in End-Stage Renal Disease Rates in HIV Infection versus Diabetes
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2975 Exercise in Maintenance Hemodialysis Patients Induces Transcriptional Changes in Genes Favoring Anabolic Muscle
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2987 NPHS2 Variation in Sporadic Focal Segmental Glomerulosclerosis

2996 Mineral Metabolism and Vascular Damage in Children on Dialysis
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3004 COL4A3/COL4A4 Mutations Producing Focal Segmental Glomerulosclerosis and Renal Failure in Thin Basement Membrane Nephropathy
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See related editorial by Pallone (pp. 2798–2800)

See related editorial by Kashtan (pp. 2800–2802)