

This Month's Highlights

**UP FRONT MATTERS**

**Editorials**

- 2797 **Interferon- $\beta$ : 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**

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- 2810 **Antimicrobial Peptides, Innate Immunity, and the Normally Sterile Urinary Tract**

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**Special Articles**

- 2817 **Role of Environmental Toxins in Endemic (Balkan) Nephropathy**

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- 2824 **2006 Homer W. Smith Lecture: Taming T Cells**

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- 2833 **Frontiers in Nephrology: Viewing the Kidney through the Heart—Endothelial Dysfunction in Chronic Kidney Disease**

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- 2836 **Frontiers in Nephrology: Early Atherosclerosis—A View Beyond the Lumen**

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- 2843 **Frontiers in Nephrology: The Evolving Therapeutic Applications of Endothelial Progenitor Cells**

Jörn Tongers and Douglas W. Losordo

- 2853 **Frontiers in Nephrology: Genomic Approaches to Understanding the Molecular Basis of Atherosclerosis**

Euan A. Ashley, Joshua M. Spin, Raymond Tabibiazar, and Thomas Quertermous

- 2863 **Frontiers in Nephrology: Targeting Inflammation Using Novel Nitric Oxide Donors**

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- 2870 **Acute Renal Failure and Myalgia in a Transplant Patient**

Behzad Najafian, Donald B. Franklin, and Agnes B. Fogo

**BASIC RESEARCH**

- 2875 ★ **Interferon- $\beta$  Reduces Proteinuria in Experimental Glomerulonephritis**

Simon C. Satchell, Olena Buchatska, Sarah B. Khan, Gurjeet Bhargal, Candida H. Tasman, Moin A. Saleem, Darren P. Baker, Roy R. Lobb, Jennifer Smith, H. Terence Cook, Peter W. Mathieson, and Charles D. Pusey

- See related editorial by Rees and Kain (pp. 2797–2798)

**2885 ★ Glomerular Endothelial Glycocalyx Constitutes a Barrier to Protein Permeability**

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**2903 Mitogenic Signaling via Platelet-Derived Growth Factor  $\beta$  in Metanephric Mesenchymal Cells**

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• See related editorial by Pallone (pp. 2798–2800)

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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 Kashtan (pp. 2800–2802)