REGULAR ARTICLES

Cell and Transport Physiology
Aquaporin-1 Water Channel Expression in Human Kidney
Arvid B. Maunsbach, David Marples, Edward Chin, Gang Ning, Carolyn Bondy, Peter Agre, Søren Nielsen 1

Reduced Renal Medullary Water Channel Expression in Puromycin Aminonucleoside-Induced Nephrotic Syndrome
Emmanuel Apostol, Carolyn A. Ecelbarger, James Terris, Ako D. Bradford, Peter Andrews, Mark A. Kneppe 15

Hemodynamics, Hypertension, and Vascular Regulation
Direct Evidence that Thromboxane Mimetic U44069 Preferentially Constricts the Afferent Arteriole
Koichi Hayashi, Rodger Loutzenhiser, Murray Epstein 25

Role of Endothelin Receptor Subtypes in the Systemic and Renal Responses to Endothelin-1 in Humans
Karin A. H. Kaasjager, Sidney Shaw, Hein A. Koomans, Ton J. Rabelink 32

Hormones, Autacoids, and Growth Factors
Differential Regulation of the Dual-Specificity Protein-Tyrosine Phosphatases CL100, B23, and PAC1 in Mesangial Cells
Dirk Bokemeyer, Andrey Sorokin, Michael J. Dunn 40

Overexpression of Cell Cycle Inhibitors (p16\textsuperscript{INK4} and p21\textsuperscript{Cip1}) and Cyclin D1 Using Adenovirus Vectors Regulates Proliferation of Rat Mesangial Cells
Yoshio Terada, Takehisa Yamada, Osamu Nakashima, Mimi Tamamori, Hiroshi Ito, Sei Sasaki, Fumiaki Marumo 51

Immunology and Pathology
The Effect of Transfection of Antisense cDNA for Procollagen α1 (IV) on Stimulated Proliferation in Rat Glomerular Endothelial Cells
Alexander Artischevsky, Dae Ryong Cha, Stephen Adler, Cynthia C. Nast, Stella Feld, Richard J. Glassock, Sharon G. Adler 61

A Reevaluation of Routine Electron Microscopy in the Examination of Native Renal Biopsies
Mark Haas 70

Molecular Medicine, Genetics, and Development
Dominantly Transmitted Glomerulocystic Kidney Disease: A Distinct Genetic Entity
Cindy K. Sharp, Suzanne M. Bergman, John M. Stockwin, Michelle L. Robbin, Carlos Galliani, Lisa M. Guay-Woodford 77

Insulin-Like Growth Factor (IGF) and IGF Binding Protein Gene Expression in Multicystic Renal Dysplasia
Douglas G. Masiel, Tracey Bennett, Ross A. Armstrong, Paul Goodyer, Cynthia Goodyer, Victor K. M. Han 85

Pathophysiology of Renal Disease
D-Aspartate Content of Erythrocyte Membrane Proteins is Decreased in Uremia: Implications for the Repair of Damaged Proteins
Alessandra F. Perna, Antimo D’Aniello, Jonathan D. Lowenson, Steven Clarke, Natale G. DeSanto, Diego Ingrosso 95

continued on next page