

Preface

The Contractile Apparatus of Podocytes Is Arranged to Counteract GBM Expansion	p. 1
Structural Differentiation of Endothelial Basement Membrane in the Kidney Vasculature	p. 10
Ultrastructural Architecture of Basement Membranes	p. 21
Isolation and Characterization of Human cDNAs and Genomic DNAs Encoding Alpha-4(IV) and Alpha-6(IV) Chains Reveal the Presence of a Distinct Subclass of Collagen IV Genes	p. 29
Molecular Organization and Gene Regulation of Type IV Collagen	p. 36
Laminin Self-Assembly: A Three-Arm Interaction Hypothesis for the Formation of a Network in Basement Membranes	p. 47
Structure, Molecular Assembly and Tissue Distribution of Facit Collagen Molecules	p. 57
Further Characterization of Basement Membrane-Associated Collagen in Comparison with Type IV Collagen Alpha-1-Chain in the Extracts of Human Placenta with Monoclonal Antibodies	p. 64
Functional Significance of NCI Containing Alpha-3-Chains of Type IV Collagen	p. 70
Cellular Receptors for Tenascin	p. 80
Matrix Metalloproteinases. A Mini-Review	p. 85
Metalloproteinase Expression and Hormonal Regulation during Tissue Remodeling in the Cycling Human Endometrium	p. 94
Oncogenes Control Stromelysin and Collagenase Gene Expression	p. 101
Tissue Inhibitors of Metalloproteinases: Role in Tumor Progression	p. 108
A One-Step Sandwich Enzyme Immunoassay for Tissue Inhibitor of Metalloproteinases-2	p. 116
Glomerulosclerosis: Studies of Its Pathogenesis in Humans and Animals	p. 124
The Contribution of Mesangial Cell Collagen Synthesis to the Pathogenesis of Diabetic Nephropathy	p. 132
Transforming Growth Factor-Beta and Extracellular Matrix Deposition in the Kidney	p. 140
Effects of Low-Protein Diet on mRNA for ECM Components, MMPs and TIMPs in Glomeruli of Focal Glomerular Sclerosis	p. 146
Is Mesangial Cell Proliferation Required for Extracellular Matrix Expansion in Glomerular Disease?	p. 156
Structure and Organization of Type IV Collagen of Renal Glomerular Basement Membrane	p. 163
Insulin-Like Growth Factor-I Receptor in Metanephric Development	p. 168
Heparan Sulfate Proteoglycans in the Human Sclerosing and Scarring Kidney Changes in Heparan Sulfate Moiety	p. 174
Interactions between Tubulointerstitial Nephritis Antigen and Laminin or Type IV Collagen	p. 180
Anti-Type IV Collagen Antibodies in Goodpasture Syndrome	p. 188
Nephropathy in HIV-Transgenic Mice	p. 194
Introduction of a Foreign Gene into the Kidney in vivo: Development of Glomerulosclerosis by the Transfection of Genes for PDGF and TGF-[beta]	p. 205
The Chain Composition of Aorta Basement Membrane Collagen IV, Localization of the Chains in Aorta and Supramolecular Assembly of the Collagen IV Protomers	p. 216

