Normal IgA Immune System

IgA Nephropathy

Mucosal Infection

Defective Mucosal IgA Response

Abnormal Bone Marrow Production of pIgA1 (With Defective Hinge Region Glycosylation)

Defective Hepatic Clearance
Immune Complexes? What Ag?
Altered Interaction with Mesangial Matrix or Cell?

Mesangial Deposition of Abnormally Glycosylated pIgA1

Chronic Upregulation PDGF and TGF-β

Alternate Pathway Complement Activation

Mesangial Cell Proliferation and Excess Matrix Production

Flairs of Active Glomerulonephritis