

Grant Period	Project Title
2019	Sleep and CKD Outcomes
2019	Elucidating the Role of Macrophage Activation in APOL1-Mediated Kidney Disease
2018/2019	Transcription Factor 21 Is Required for Branching Morphogenesis and Regulates the Gdnf-Axis in Kidney Development
2015/2017	Mineral Metabolites and Risk of Retinal Abnormalities
2013/2015	A Micro-sized Bioscaffold Derived from Kidney Extracellular Matrix Tissue To Evaluate Renal Progenitor Cell Differentiation for Tissue Engineering Applications
2011/2013	Blood Pressure Dependent and Independent Mechanism of Chronic Kidney Disease Progression Associated with Podocyte Injury and Reduced Nitric Oxide Availability
2011/2013	Gene Expression in Kidney Transplant Recipients with Interstitial Fibrosis/Tubular Atrophy
2009/2011	Tracking B and Plasma Cell Functions During Transplantation
2006/2008	Prevalence and recognition of chronic kidney disease in a high risk population
2006/2008	Investigation of Genetic Factors controlling renal fibrosis and progression of renal disease
2005/2006	A prospective study of the utility of serial serum and urine cystatin-C concentration assays to diagnose acute renal failure after elective cardiac surgery
7/1/04-6/30/05	CD4+CD25+ Regulatory T Cells as Cellular Therapy for Prevention of Kidney Allograft Rejection
7/1/04-6/30/05	The Default Pathway of Apoptosis in Acute Renal Failure
7/1/03-6/30/04	Hypoxia & PDGF-B in Glomerular Mesangium & Endothelia
7/1/03-6/30/04	Effect of Glucose Mesangial Angiotensin Peptides
7/1/03-6/30/04	Defining Early Events in HIV-Associated Nephropathy

7/1/03-6/30/04	Oxidation & Inflammation in Children with CKD
7/1/03-6/30/04	Mechanism of Glomerular Fibrosis by Epithelial-Myofibroblast Transformation Induced by TGF- $\beta$
7/1/02-06/30/03	Regulation of Sodium Bicarbonate Cotransporter (NBC1) by Ubiquitination
7/1/02-6/30/03	Oxidant Injury in LPS-Induced Acute Renal Failure
7/1/01-6/30/02	P $\sim$ gp Activity on T-lymphocytes of Renal Allograft Recipients
7/1/01-6/30/02	PKC, P13K & Smad Signaling in Mesangial Cell Collagen
7/1/01-6/30/02	Role of Nitrilase 1 in Glomerulonephritis
7/1/01-6/30/02	Cytoprotective Role of Mitochondrial Hexokinases
7/1/00-6/30/01	GATA-3 Regulation of Metanephric Development
7/1/00-6/30/01	GATA-3 Regulation of Metanephric Development
7/1/00-6/30/01	NF- $\kappa$ B & PDGF-B in Congenital Obstructive Nephropathy
7/1/99-6/30/00	DNA Typing & Organ Allocation in Renal Transplant
7/1/99-6/30/00	Hypoxia, Hyperglycemia & Vascular Cell Growth
7/1/99-6/30/00	Cyclic AMP-Mediated Regulation of ENaC Open Probability: Intracellular pH
7/1/98-6/30/99	The Effect of Relaxin on Renal Interstitial Fibrosis
7/1/98-6/30/99	Paracrine Interactions in Diabetic Nephropathy
7/1/98-6/30/99	Small Artery Endothelial Dysfunction in Preeclampsia
7/1/97-6/30/98	NA $^{+}$ /HCO $_{3}^{-}$ -Co-Transporter: Modulation by NHE-RF

7/1/97-6/30/98	Tubular Damage of Proteinuria
7/1/97-6/30/98	Effects of Complement Inhibition in Glomerulonephritis
7/1/97-6/30/98	Regulation of Mesangial Cell Hexokinase Expression
7/1/95-6/30/96	The Influence of High PRA Serum on Endothelial Cells
7/1/95-6/30/96	Hexokinase II Expression & Regulation in Mesangial Cells
7/1/95-6/30/96	The Effect of Potassium Deficiency on AVP & Aquaporin 2 Production
7/1/94-6/30/95	Na <sup>+</sup> /H <sup>+</sup> Antiporter & Cell Growth in VSMC
7/1/94-6/30/95	Pathogenesis of Reduced Renal Mass Hypertension
7/1/94-6/30/95	Na <sup>+</sup> /HCO <sub>3</sub> <sup>-</sup> Cotransporter: Functional Modulation by Actin
7/1/93-12/31/94	Expression of NHE-1 Protein in VSMC from the SHR
7/1/93-6/30/94	Regulation of Renal Na-HCO <sub>3</sub> Cotransporter by G Proteins
7/1/93-6/30/94	BPH Treatment Using Doxazosin: Urodynamic Assessment
7/1/93-6/30/94	Carbamylated Hemoglobin in Uremia
7/1/92-6/30/93	Laparoscopic Ureteral Reanastomosis
7/1/92-6/30/93	Na <sup>+</sup> -HCO <sub>3</sub> Cotransporter: cAMP-PKA Regulation by 42kDA Protein
7/1/92-6/30/93	Hypertension & Renal Compensatory Adaptations
7/1/92-6/30/93	Cell Adhesion in ADPKD
7/1/92-6/30/93	Volume/Angiotensin II Impact on Renal Na/H Exchange

7/1/92- 6/30/93	Proteins in the Regulation of Na-HCO <sub>3</sub> Cotransporter
7/1/91- 6/30/92	Renal NA <sup>+</sup> -HCO <sub>3</sub> Cotransporter of Antibodies
7/1/91- 6/30/92	Cytochrome P - Na:K Pump & BP in SHR
7/01/91- 6/30/92	Sodium Transport in Renal Cells of Hypertensive Rats
7/1/90- 6/30/91	Study of Ionic Channels in Rat Mesangial Cells
7/1/90- 6/30/91	EDRF & the Remnant Kidney Model Hemodynamics
7/1/90- 6/30/91	Renal Carbonic Anhydrase Gene Expression in Acidosis
7/1/90- 6/30/91	PKC & cAMP-PKA Modulation of the Renal Na:K Pump
7/1/89- 6/30/90	Lymphocyte Monitoring in Renal Allograft Recipients
7/1/89- 6/30/90	Mechanism of Aluminum - Induced Bone Dissolution
7/1/89- 6/30/90	Effect of Beta II - Microglobulin on Bone Resorption
7/1/89- 6/30/90	Effect of Arginine Vasopressin on Potassium & Acid Excretion