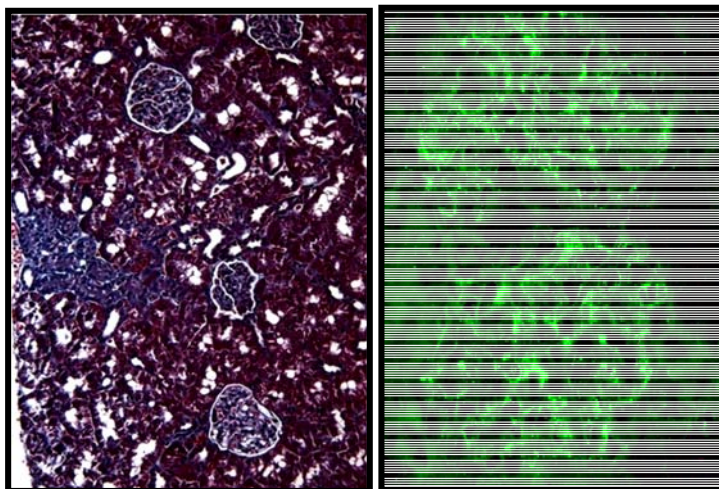


## MODELS OF KIDNEY INJURY

### SYSTEMS FOR DETECTING RENAL INJURY AND FUNCTION

- *In vivo* models of drug-induced nephrotoxicity, diabetes, vasculitis, and glomerulonephritis
- *In vivo* models of vasculitis and inflammatory injury
- *In vivo* characterization of glomerular microangiopathic injury
- Human and rodent podocyte culture – primary and cloned cells
- Mesangial and tubular cell culture
- ELISA and standard clinical pathology monitoring of renal biomarkers



*Scarring (left) and Glomerular Injury (right) in Rat Kidney*

### PHARMACEUTICAL APPLICATIONS

- Detection of drug-induced changes on kidney and kidney function
- Screening of drug candidates for kidney toxicity
- Direct and indirect drug-mediated injury characterization
- Mechanistic determinations of pharmacologic activity
- Specific characterization of kidney injury pathways
- Therapeutic potential of new therapies – small molecule and biologic

**Our scientists have more than 25 years of research experience and publication records, both in human clinical diagnosis and animal models of renal injury. We can support your drug development efforts by helping identify therapeutic indications and liabilities associated with your candidate molecules.**