Acute kidney injury

Tubular epithelial cell → Tubular cell death → Tubular cell survival and proliferation → Repaired Kidney

Fibroblast

mTOR ↑

PPARγ activation → HGF

Chronic kidney injury

Fibroblast → mTOR ↑ → Myofibroblast

Macrophage → mTORC2 ↑ → M2 polarization

Collagen synthesis → ECM deposition → Kidney fibrosis

Scarred Kidney

Accessing our world from every angle