Abnormal Vasculature

↑ ECM deposition and Fibrosis

↑ Interstitial inflammation

↑ Proliferation

↑ Apoptosis

Reciprocal Signaling between Resident Macrophage and Epithelial cell in cystic kidney

Resident Macrophage

CSF-1R

Inflammatory Cytokines

mCSF1

Epithelial Cell

IL6, Wnt Signaling?