Donor Derived Cell-Free DNA: Advancing a Novel Assay to New Heights in Renal Transplantation

Current Model

Cell-Free DNA - Nonspecific Signal of Allograft Injury

Future Paradigms

Integration of DNA Methylation

Integration of Microbial Cell-Free DNA

Cell-Free DNA as a DAMP Signal

Integration of microRNA

Goals: 1. Diagnostic Precision 2. Therapeutic Targets

Paul et al. Transplantation Direct. October 2020