Protein Biomarkers of Delayed Recovery After Kidney Transplant

**OCR Number:** OCR 7192

**Description:**

- **Targeted Urine Proteome Multiple Reaction Monitoring Assay (TUPA) For Early Detection of Delayed Graft Function after Kidney Transplant**

  - Delayed Graft Function (DGF) can occur following deceased donor kidney transplantation and results in rejection.
  - Current approaches for diagnosing DGF may take up to a week and are thus inadequate for early targeted therapy.
  - We identified a 4 protein biomarker panel that provides strong discrimination between DGF and Immediate Graft Function (IGF) with an AUC of 0.891.
  - This method will improve treatment for patients at highest risk of DGF and offer insights into novel therapeutic strategies.
  - **IP status:** Provisional Patent Application No. 62/600,643

**PI:** Kenneth Williams

**Licensing Contact:** Lolahon Kadiri
lolahon.kadiri@yale.edu