



CHILDREN'S CANCER RESEARCH FUND

**Research priorities
Friends of Rosie Scientific Advisory Board
Autumn 2018**

- Methods to rapidly screen / sequence tumours to identify targetable mutations, activated pathways in pediatric tumours including detection of potentially actionable translocations in tumours with low mutational loads
- Early detection of relapse through liquid biopsy methods, particularly ctDNA
- Understanding the mechanisms of failure of immunotherapy in pediatric cancer
- Immunotherapy – especially combinations of chemotherapy / immunotherapy or radiotherapy / immunotherapy.
- Role of metabolism in pediatric cancers
- Targeting cancers with poor outcome (DRSCT, alveolar RMS, rhabdoid etc.)