Haematopoietic stem cell transplantation is used to rebuild the immune system following radiation and chemotherapy for haematological malignancies and non-malignant diseases. In older recipients, reduced uptake of transplanted stem cells and poor immune recovery cause major clinical problems. Our lab employs cutting-edge technologies and innovative pre-clinical systems to uncover immunological barriers to stem cell engraftment and define new therapeutic approaches that improve stem cell transplantation outcomes and immune function.

Research Projects

1. Investigating the post-transplantation fate of mesenchymal stem/stromal cells

2. Improving haematopoietic stem cell engraftment with minimal conditioning

3. Boosting post-transplant immune function and vaccine response in old age

Selected significant publications:


