CHILDREN'S MEDICAL RESEARCH INSTITUTE
Jeans for Genes®

Finding cures for children's genetic diseases

Clinician Scientist | Translational Research, Immunotherapy and Immuno-Oncology

Cellular Cancer Therapeutics

- **Base Salary Range $95,000 - $100,000 plus superannuation and salary packaging benefits**

- **Make an important contribution to the health of children through medical research**
- **Work with one of Australia's most respected national and independent medical research institutes**
- **Gain valuable experience working in a CAR-T cell research laboratory**
- **Located in Westmead, one of Sydney's major biomedical research hubs**

The Children's Medical Research Institute (CMRI) was Australia's first dedicated paediatric research facility and continues to be one of the nation's most highly regarded independent medical research centres. CMRI is located in Westmead, and research at the institute focuses on cancer and genome stability, nerve cell signalling, gene therapy, and embryonic development. Researchers at CMRI have access to state-of-the-art facilities and work alongside dynamic and supportive scientists that include university and graduate students, post-doctoral researchers, and laboratory directors. Our achievements are made possible by state and federal grants, a network of community supporters, and the Jeans for Genes® fundraising campaign.

We currently have a position available for a clinician scientist in the Cellular Cancer Therapeutics Laboratory at CMRI. The laboratory's focus is on developing and translating adoptive T-cell therapy for the treatment of a broad range of cancers, using both conventional and non-conventional CAR systems, as well as antibody-based therapeutics. Our research work will lead to a better understanding of immunotherapy, with the goal of progressing new therapies rapidly into the clinic.

The responsibilities of this position will include working directly with the research unit head to design, develop, and execute bench experiments; supervising technicians and students in the conduct of bench experiments; coordinating with core laboratories to process samples; and performing data management. Additionally, he/she will analyse experimental results to derive logical conclusions, draft experimental procedures, prepare manuscripts pertaining to research work, and maintain detailed laboratory records.

Bench experiments will include the following techniques:

- cell culturing;
- isolation of immune cells by magnetic activated cell sorting;
- functional testing, including:

- flow cytometric analysis
  - immunophenotyping
  - activation
  - cytokine secretion
  - proliferation
  - cytotoxicity assays
- EuTDA, Calcein and luciferase-based cytotoxicity assays
- Antibody based ADCC and CDC
- Antibody blocking experiments
- NK cell receptor immunology
- KIR genotyping and B content scoring
- FcGR polymorphim

Experience in the methods described above is highly desirable.

The ideal candidate will have an MD/PhD with medical qualification in hematology / oncology, have worked on CAR T and antibody therapeutic development projects, have a passion for science, and a desire to advance the understanding and treatment of cancer. A highly organised and self-directed individual with strong interpersonal skills and the ability to work in a dynamic environment is desired. The candidate should have experience with and be willing to work with mouse models.

The project is led by Professor Patrick Schlegel (Head of the Cellular Cancer Therapeutics Laboratory). This is a fantastic opportunity for researchers to enter a productive laboratory in a dynamic and professional organisation and to work directly with the principal investigator in this exciting research program.

The position is available starting Q1 2021.

The hired individual will be compensated with a competitive remuneration package in accordance with qualifications and experience. Additional benefits include the provision of a Public Benevolent Institution salary packaging scheme and participation in an employer-contributed superannuation fund.

Applications should include a cover letter (citing **PV2039**), curriculum vitae, bibliography, brief statement of research interests, academic transcript and contact details (phone/email) of three professional referees and be forwarded to recruitment@cmri.org.au

Please direct enquiries regarding the position to Fiona Yang: syang@cmri.org.au.

Closing date for applications is **5th January 2021.**