

Research Assistant in Proteomics

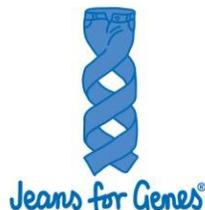
(2 positions)

- **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**
- **Located in Westmead, one of Sydney's and Australia's major biomedical research hubs**

Children's Medical Research Institute (CMRI) was Australia's first dedicated paediatric research facility and is now one of the nation's most highly regarded independent medical research centres. Our research focuses on the areas of cancer, neuroscience, embryonic development and birth defects, and gene therapy and we have a strong international reputation based on our research outcomes. CMRI's research programs are supported by state-of-the-art facilities and committed research and support staff. Our achievements are made possible by a loyal network of community supporters, highly engaged donors and the very successful Jeans for Genes® fundraising campaign.

The ACRF International Centre for the Proteome of Cancer (ProCan) is located at CMRI. The rapidly expanding ProCan team currently comprises more than 30 staff in proteomics, pathology, software engineering and data science. They use innovative technology to simultaneously measure thousands of proteins in tiny cancer samples. Led by CMRI's Professor Phil Robinson and Professor Roger Reddel, the ProCan team are analysing about 70,000 cancers of all types over 5-7 years. Advanced computer analysis techniques are being used to compare the protein data with pathology results and clinical outcome data. The overall goal is to make a precise diagnosis of the cancer type and its molecular subtype, and to provide doctors with a list of treatments options to which the cancer is likely to respond and which to avoid.

The positions involve large-scale tissue sample preparation using a barocycler for proteomic analysis, and shared responsibility in the maintenance and running of mass spectrometers. The ideal candidates will have hands-on laboratory experience, with a strong analytical background, experience in liquid chromatography mass spectrometry (LC-MS). The appointees will be required to troubleshoot LC as well as perform basic instrument maintenance.



Research Assistant

The position will primarily involve high-throughput sample preparation using barocycler technology, LC separation of peptides, laboratory organisation and ordering and some basic LC and MS maintenance. The possibility exists for the right candidate to undertake more hands-on LC-MS in time with training provided.

The successful candidates must hold the following:

- Relevant tertiary qualification, with Honours or at least 1 year of laboratory experience in analytical chemistry, biochemistry or equivalent in a related field.
- Significant hands on experience with proteomic sample preparation for MS.
- Experience in LC and MS a distinct advantage.
- Experience in working in a PC2 facility, ability to follow GLP and SOPs, and to maintain a safe work environment.
- Excellent communication and interpersonal skills evidenced by the ability to maintain effective working relationships in a team environment.
- Demonstrated high level of reporting and record-keeping skills.

Contract term up to three years and salary levels are dependent on the candidates' skills 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 PV1927), curriculum vitae and contact details (phone/email) of three professional referees and be forwarded to recruitment@cmri.org.au

Please direct preliminary enquiries regarding the position to Natasha Care (ncare@cmri.org.au) or Dylan Xavier (dxavier@cmri.org.au).

Applicants will be assessed on receipt, and the closing date is noon on **Friday 13th September**.

