CHILDREN'S MEDICAL RESEARCH INSTITUTE

Jeans for Genes®

Finding cures for children's genetic diseases

Computational Biologist – ProCan Target Discovery Program

- **Make an important contribution to the health of future generations through medical research**
- **Work with a world-leading, independent medical research institute**
- **Located in Westmead—Sydney's and Australia's foremost biomedical research precinct**

Children's Medical Research Institute (CMRI) was Australia's first dedicated paediatric research facility and is now one of the world's most highly regarded independent medical research organisations. Our research focuses on the four key areas impacting children's health: cancer, genomics and genetic diseases, neurobiology, and embryology. Our strong international reputation is based on decades of significant research outcomes in these areas of specialty. CMRI is also home to the world-first proteomics project, ProCan, which is changing the way cancer is diagnosed and treated. 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® and Great Cycle Challenge fundraising campaigns.

ProCan is establishing a new Target Discovery Program led by Associate Professor Pengyi Yang with the aim of (1) discovering molecular markers that are targetable for cancer prevention and treatment; and (2) identifying personalised treatment for cancer patients based on their molecular profiles.

A Computational Biologist position is open in this new program. This position will be responsible for conducting statistical analysis, performing scientific data visualization, developing solutions to proteomics research.

Applications are invited from experienced computational biologists and data scientists with strong motivation in academic research, an excellent record of scientific accomplishments with publications in peer-reviewed journals, and the ability to work independently with outstanding communication and writing skills. Candidates should have a background in bioinformatics, statistics, or machine learning. Strong programming skills in R and Python are required. Previous experience in omics data analysis is essential and experience in proteomics data analysis is highly desirable.

You will be provided 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. Publications in high impact journals can be expected. This is a full-time position for two years with the possibility of extension.

Applications should include:

1. A cover letter (citing **PV2237)** with statement of motivation and a detailed description of the qualifications described above,
2. A curriculum vitae including a chronological list of publications
3. Contact details (phone/email) of three professional referees

and be forwarded to recruitment@cmri.org.au

Please submit your application by **Wednesday 30th November 2022.**

Please direct enquiries regarding the position to Pengyi Yang, Group Leader, pyang@cmri.org.au.