CHILDREN'S MEDICAL RESEARCH INSTITUTE
Jeans for Genes®

Finding cures for children's genetic diseases

RESEARCH ASSISTANT & RESEARCH OFFICER

- **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 embryonic development and birth defects, cancer, neuroscience 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.

We are seeking experienced Research Assistant & Research Officer (two positions available) to join the Vector and Genome Engineering Facility (VGEF) at CMRI. Successful applicants will be involved in work under BSL2/2+ conditions related to generation and validation of a wide range of mammalian cell types (immortalized and pluripotent) with specific genomic modifications aiming at understanding gene function or recapitulating patient specific disease phenotypes.
Applications are encouraged from enthusiastic and motivated individuals with excellent technical ability and communication skills.

Research Assistant
The Research Assistant will be involved in production and use of genome engineering tools, as well as in maintenance and manipulation of a wide range of mammalian cell types (immortalized and pluripotent) under BSL2/2+ conditions. The successful candidate will also be responsible for performing basic molecular biology QA/QC assays, including but not limited to DNA purification, cloning, PCR and transfection. In addition, the position involves undertaking routine tasks related to the maintenance of the laboratory and preparation of standard operating procedures (SOPs).

The successful candidate will possess the following attributes:
- Bachelor of Science degree or equivalent and 3+ years of experience in general molecular biology and mammalian tissue culture techniques.
- Demonstrate strong interpersonal skills and attention to details, as well as the ability/will to improve his professional knowledge (e.g. learning new protocols and techniques).

- Preference will be given to applicants with prior hands-on experience working with genome editing tools (preferably CRISPR/Cas9-based) and experienced with BSL2 lab conditions.
- Demonstrated knowledge and experience with both PC and MAC operating systems and proficiency with Microsoft Office, especially Excel required. Applications are encouraged from enthusiastic and motivated individuals with excellent technical ability and communication skills.

Research Officer

The Research Officer will work alone and/or with dedicated research assistant(s) performing independent experiments/research of a wide range of mammalian cell types (immortalized and pluripotent) under BSL2/2+ conditions, aiming at improving currently available tools and development of novel technologies related to genome editing. The successful candidate will be expected to stay on top of the fast-changing genome editing technology and will be expected to publish results of their work in peer-reviewed journals. The candidate may also be involved in writing grant applications and presenting data at scientific meetings. Furthermore, this position will allow the candidate to get involved with large number of exciting and cutting-edge projects directly aiming at understanding mechanisms of various genetic diseases and development of patient specific treatment options. In addition to undertaking routine tasks related to the maintenance of the laboratory, the Research Officer will also be responsible for performing basic molecular biology assays, including but not limited to DNA/RNA purification, DNA preparation, qPCR, cloning and transfection.

The successful candidate will possess the following attributes:

- Hold the first degree (preferentially PhD) in molecular biology or biotechnology with relevant post-graduation research experience in stem cell / iPSC biology and genome editing. The candidate must
- Demonstrate the ability to work independently, manage multiple (sometimes competing) priorities and integrate multiple work initiatives into the overall department goals, while meeting appropriate deadlines.
- Preference will be given to applicants with hands-on experience working with gene editing technologies (TALENs and CRISPR/Cas9 system) in human/mouse stem cells and iPSC. Furthermore, preference will be given to candidate with experience in managing team of people, including managing day-to-day activities as well as long-term research plans and performing staff training.
- Demonstrated knowledge and experience with both PC and MAC operating systems and proficiency with Microsoft Office, especially Excel is required.

Both appointments are initially for a fixed term of 12 months and continuing tenure is subject to satisfactory performance, the availability of funding and the requirements of research projects within the Unit. 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.

Applications should include a cover letter (citing **PV1829- Research Assistant**/ **PV1830- Research Officer**), curriculum vitae and contact details (phone/email) of three professional referees and be forwarded to recruitment@cmri.org.au. **Please indicate for which position you are applying.**

Closing date for applications is **Friday 14th December 2018.**

Please direct enquiries regarding the position to Dr. Lisowski, Manager, Vector and Genome Engineering Facility (VGEF), LLISOWSKI@CMRI.ORG.AU.