

Advanced Imaging, Analysis, and Cytometry (IAC) Scientific Lead

- **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 world'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. It 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® fundraising campaign.

OBJECTIVES

The main objectives of the Scientific Lead role are to:

- Provide Scientific leadership for imaging/microscopy, image analysis, and flow cytometry at CMRI
- Improve research outcomes at Children's Medical Research Institute (CMRI) through close collaboration with researchers.
- Develop and expand knowledge at CMRI and within the Westmead Research Hub (WRH) using cutting edge technologies, infrastructure, and analysis tools related to the facility
- Maintain a highly regarded and financial sustainable core facility
- Lead and/or assist in the preparation of grant applications
- Interact with stakeholders, fundraising, and the lay public
- Provide/coordinate professional development; and,
- Improve the national and international reputation of CMRI

REQUIREMENTS

Education

- PhD and post-doctoral training in a relevant discipline

Experience

- Experience with scientific research utilizing microscopy of biological materials (10+ years)
- Experience with image analysis related to biological materials (10+ years)
- Experience with management in a scientific endeavour (5+ years)
- Experience with equipment purchasing and management of computer-based budgeting systems (5+ years)
- Demonstrated success in scientific publishing (10+ years) and grant awards (5+ years)

Knowledge:

- Excellent knowledge in, and practical use of, brightfield, fluorescence, confocal, and live-cell microscopy.
- Excellent knowledge in, and practical use of, methods related to specimen preparation and image processing/analysis.
- Excellent knowledge of cell and molecular biology.
- Excellent knowledge of processes related to scientific publication and grant applications and reporting.
- General knowledge of financial and purchasing processes.
- General knowledge of flow cytometry in line with CMRI capacity.

Skills:

- Effective and demonstrated ability to interact with stakeholders and facility users through in-person communication, scientific presentations, and written correspondence.
- Effective and demonstrated ability with microscopy instruments, cytometry instruments, laboratory equipment, and related computer and software systems.
- Effective and demonstrated ability in laboratory methods and specimen preparation.
- Excellent critical thinking and good time management skills.
- Positive agent for development of the facility and CMRI.
- Forward facing positive interactions with users and facility stakeholders.
- Commitment to promoting personal development and shared success of facility staff and users.
- Willingness to adapt to a changing environment and meet challenges head on in a support role within a team environment.

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 the cover letter on meeting the requirements (citing **PV2031**), curriculum vitae and contact details (phone/email) of three professional referees and be forwarded to recruitment@cmri.org.au

We will interview suitable candidates as applications are received. The closing date for applications is **Monday 30th November**.

Due to current border restrictions, the preference will be given to applicants who are Australian citizens or Permanent Residents, or have unrestricted working rights and are currently resident in Australia.