

POSITION DESCRIPTION

POSITION TITLE:	Flow Cytometry Analyst
CLASSIFICATION:	STO3
RESPONSIBLE TO:	Flow Cytometry & Imaging Facility Manager
LOCATION:	Herston

POSITION OBJECTIVES

The position provides support in flow cytometry, cell sorting and microscopy to scientists for research projects within the Flow Cytometry and Imaging Facility. The position also provides sample preparation and processing, and flow cytometry analysis for contract clinical trial work within the Flow Cytometry and Imaging Facility at QIMR Berghofer.

ORGANISATIONAL CONTEXT

QIMR Berghofer is a statutory body under the *Queensland Institute of Medical Research Act (1945)*. QIMR Berghofer Medical Research Institute proudly serves the people of Queensland with better health and wellbeing through impactful medical research. Our collaborative research programs address the foremost health challenges of our time. Our research responds to health challenges arising from social and environmental factors and aims to advance Aboriginal and Torres Strait Islander health equity.

QIMR Berghofer has a vision to lead the way to significant innovation in health outcomes, nationally and globally. We are committed to supporting ground-breaking research discoveries, achieving sustainability and conducting impactful research.

The Institute focuses its research within four key Programs:

- Cancer Research
- Infection & Inflammation
- Brain and Mental Health
- Population Health

Our Professional Services are organised into departments that provide specialist support for the conduct of internationally competitive research programs and projects. These include People and Culture; Business Development; Finance & Administration; Information & Facilities; Corporate Affairs and Fundraising; Scientific Services; Legal; Research Governance and Funding; Corporate Risk, Governance and Compliance; Growth and Partnerships; and Strategic Planning.

QIMR Berghofer promotes a *Working Better Together* operating model, recognising that whilst the purpose of the Institute is medical research, and the contribution of researchers is key, it cannot be done without the work of our highly-skilled professional staff. It recognises that we are all here to facilitate the same mission – *Better health through impactful medical research*. *Working Better Together* is underpinned by the shared understanding and application of our values:

- Excellence
- Integrity

- Respect
 - Collaboration
 - Accountability
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REPORTING AND RELATIONSHIPS

The Flow Cytometry Analyst reports to the Flow Cytometry & Imaging Facility Manager and is a member of the Flow Cytometry & Imaging Facility.

PRIMARY RESPONSIBILITIES

- Prepare PBMC samples and perform peptide stimulation protocols.
 - Stain samples for immunophenotyping and flow cytometry data acquisition.
 - Operate spectral and conventional flow cytometers and manage data collection using flow cytometry acquisition software.
 - Analyse flow cytometry data using various specialised software tools.
 - Assist facility and research staff in the flow cytometry and imaging facility as required.
 - Assist in maintaining lab inventory, restocking supplies, and ensuring regular maintenance and cleanliness of the flow cytometry facility and clinical laboratory.
 - Monitor equipment performance, troubleshoot issues, and carry out routine maintenance in the flow cytometry facility.
 - Conduct work in accordance with existing NATA accreditation and quality management system.
 - Follow and adhere to Standard Operating Procedures (SOPs).
 - Ensure the proper collection, management, and storage of scientific data in compliance with QIMR Berghofer Information Technology guidelines.
 - Model and promote excellence and integrity, adhering to the highest quality and ethical standards.
 - Ensure work practices comply with the requirements of the Work Health and Safety Act, related legislative requirements and the Institute's Work Health & Safety (WH&S) policies and procedures.
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KEY SELECTION CRITERIA

Essential

- Bachelor of Science (or equivalent).
 - Ability to work outside of the spread of ordinary hours (6am–6pm).
 - Proficient in preparing samples for flow cytometry assays, and sample staining for immunophenotyping.
 - Strong ability to work with and adapt to advanced technologies.
 - Experience in immunology and/or cell biology.
 - Excellent communication and interpersonal skills, with the ability to engage with a diverse range of individuals, including researchers, external service providers, and the public.
 - Ability to work independently and as part of a team.
 - Outstanding organisational skills, with proven ability to manage multiple tasks and prioritise effectively to meet deadlines.
 - Comprehensive understanding of safe work practices and procedures.
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Desirable

- Experience with both conventional and spectral flow cytometry analysers.
 - Experience in peptide stimulation protocols and intracellular cytokine staining.
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QIMR Berghofer also offers:

- Salary Packaging
- State-of-the-art facilities
- Stimulating work setting focussed on cutting-edge medical research
- Supportive/collaborative team environment
- Parental leave provisions