

Position Title	Research Fellow
Group/Portfolio	School of Pharmacy and Medical Sciences
Classification	Research Fellow Grade 2
Position Number	00064234
Reports To	Professor Michael Simmonds
Employment Type	Fixed Term

1.0 Position Purpose

The Artificial Heart Frontiers Program (AHFP), a multi-institution partnership between academia and industry, has secured investment from the Medical Research Future Fund to develop artificial hearts and related technologies. We have teamed with leading academic, healthcare and industry partners to launch a new program to develop the world's most advanced artificial heart, and the next generation of cardiovascular technology to support all patients with heart failure.

Griffith University's involvement is led by the Director of the Biorheology Research Laboratory, Professor Michael Simmonds, who is the Haemocompatibility Lead and serves the Executive Committee of the AHFP. The Artificial Heart Frontiers Program is supported by a multi-institute research grant from the MRFF (\$50M) and plans to scale up research and commercialisation programs to help shape the future of heart failure treatments using our revolutionary pipeline technologies.

The Research Fellow is a key position for the AHFP and will work within the Biorheology Research Laboratory at the Gold Coast campus of Griffith University. This is a hands-on position and the successful candidate will aid delivery of this multidisciplinary research project.

2.0 Eligibility Requirements

Essential

- The occupant of this position will hold a PhD or equivalent qualifications/work experience in blood rheology, or a similar field.
- Experience working in the field of Biomedical and/or Haemocompatibility research and reporting on research findings.

Desirable

- Experience in working with ASTM standards such as F1841, F1830-97, F2888 and F2382.

3.0 Key Responsibilities

- Provide scientific leadership and coordinate research activities within the project, ensuring the timely achievement of project objectives, deliverables, and milestones in collaboration with the local and national Artificial Heart Frontiers Program (AHFP) team.
- Work with, and build rapport with external partners to ensure that the development and testing activities are delivered.

- Supervise, mentor, and support junior researchers, postgraduate students, research assistants, and technical staff.
- Manage preparation of peer-reviewed publications, grant applications, conference presentations, and research reports arising from project activities.
- Take responsibility in the preparation of internal project reports and progress reports for funding bodies and program stakeholders.
- Manage research resources effectively, including laboratory infrastructure, equipment, budgets, and personnel, to support efficient project delivery.
- Maintain and promote Good Laboratory Practice (GLP) standards and support compliance with National Association of Testing Authorities (NATA) accreditation requirements where applicable.
- Ensure compliance with relevant legislation and University policies and procedures, including research ethics, equity and health & safety, laboratory standards and exhibit good practice in relation to same.
- Demonstrate professionalism, integrity, and ethical conduct in all aspects of work, acting as a positive role model and upholding the values and standards outlined in the University's Code of Conduct.
- Promote and lead a positive, inclusive, and collaborative research culture through effective communication and teamwork.

4.0 Key Capabilities

- Demonstrated competence with project and time management.
- The ability to work independently in a research environment and as part of an interdisciplinary research team.
- Enthusiastic and proactive about medical research and making a measurable difference to the future of heart failure treatment.
- Griffith University identifies the attributes of resilience, flexibility, creativity, digital literacy and entrepreneurship as critical to our graduates' success, in the rapidly changing future world of work. We have established a Griffith University Capability Development Framework to provide a common language of some of the non-technical organisation skills that will support our staff to thrive now and into the future. The Capability Development Framework will assist you to understand the current skill level of this position in the non-technical but critical skill domains that are increasingly important in a changing workplace context.