POSITION DESCRIPTION

Position Title: Research Facility Coordinator (Analytical and Imaging)
Organisation Unit: School of Biomedical Sciences
Position Number: NEW
Type of Employment: Part time Fixed Term (0.6 FTE).
Classification: Hw Level 6

THE UNIVERSITY OF QUEENSLAND

The University of Queensland (UQ) contributes positively to society by engaging in the creation, preservation, transfer and application of knowledge. UQ helps shape the future by bringing together and developing leaders in their fields to inspire the next generation and to advance ideas that benefit the world. UQ strives for the personal and professional success of its students, staff and alumni. For more than a century, we have educated and worked with outstanding people to deliver knowledge leadership for a better world.

UQ ranks in the world’s top universities, as measured by several key independent ranking, including the Performance Ranking of Scientific Papers for World Universities (45), the US News Best Global Universities Rankings (52), QS World University Rankings (51), Academic Ranking of World Universities (55), and the Times Higher Education World University Rankings (60). UQ again topped the nation in the prestigious Nature Index; and secured a greater share of Australian Research Council grants in 2016 ($24.5 million) than any other university nationally.

UQ has an outstanding reputation for the quality of its teachers, its educational programs and employment outcomes for its students. Our students remain at the heart of what we do. The UQ experience –the UQ Advantage – is distinguished by a research enriched curriculum, international collaborations, industry engagement and opportunities that nurture and develop future leaders. UQ has a strong focus on teaching excellence, winning more national teaching excellence awards than any other in the country and attracting the majority of Queensland's highest academic achievers, as well as top interstate and overseas students.

UQ is one of Australia’s Group of Eight, a charter member of edX and a founding member of Universitas 21, an international consortium of leading research-intensive universities.

Our 50,000-plus strong student community includes more than 13,000 postgraduate scholars and more than 12,000 international students from 144 countries, adding to its proud 230,000-plus alumni. The University has about 7,000 academic and professional staff and a $1.7 billion annual operating budget. Its major campuses are at St Lucia, Gatton and Herston, in addition to teaching and research sites around Queensland and Brisbane city. The University has six Faculties and four University-level Institutes. The Institutes, funded by government and industry grants, philanthropy and commercialisation activities, have built scale and focus in research areas in neuroscience, biomolecular and biomedical sciences, sustainable minerals, bioengineering and nanotechnology, as well as social science research.
UQ has an outstanding track-record in commercialisation of our innovation with major technologies employed across the globe and integral to gross product sales of $11billion+ (see http://uniquest.com.au/our-track-record).

UQ has a rapidly growing record of attracting philanthropic support for its activities and will have further success in this area as an important strategic aim going forward.

Organisational Environment

Faculty of Medicine

The University of Queensland Faculty of Medicine is an internationally recognised provider of world-class education and research. The research-intensive Faculty has a gross budget of almost $300 million, employs approximately 1000 continuing and fixed-term staff (headcount), has a community of more than 4000 non-salaried academic appointees and around 3200 students (headcount).

The Faculty of Medicine offers Australia’s largest medical degree program for graduates and school-leavers. Undergraduate and postgraduate programs are available in the disciplines of Medicine, Health Sciences, E-Health, Mental Health, Biomedical Sciences and Public Health.

The Faculty possesses enormous strengths spanning research, teaching, industry engagement and clinical practice in disciplines ranging from the basic sciences, biomedical research and development, to clinical trials and public health. Research projects within the Faculty have already led to discoveries with far-reaching social and economic impacts, including the revolutionary Gardasil (TM) vaccine for cervical cancer (Professor Ian Frazer) and a drug discovery EMA401 (Professor Maree Smith), a first-in-class oral treatment for chronic pain which through Spinax Pharmaceuticals led to Australia’s largest biotechnology commercialisation deal. Faculty staff include three highly cited authors, one Fellow of the Royal Society (FRS), three Fellows of the Australian Academy of Science (FAA) and 12 Fellows of the Academy of Health and Medical Sciences (AAHMS). The Faculty is a core member of Brisbane Diamantina Health Partners, the Brisbane-wide academic health science system.

Educational offerings in biomedical sciences, medicine and public health are informed and supported by research activity across a range of fundamental and clinical areas of importance including recognised strengths in cancer, skin diseases, brain and mental health, maternal and child health and genomics. Cutting-edge facilities such as the Herston Imaging Research Facility (HIRF), the UQ Centre for Clinical Research (UQCCR), our laboratories in the Translational Research Institute (TRI) and the new Centre for Children’s Health Research (CCHR) enable outstanding research outcomes and sharpen our understanding of cancer, autoimmunity, mental disorders, infectious diseases and neurological disease. Further details are available at www.mbs.uq.edu.au.

School of Biomedical Sciences

The University of Queensland School of Biomedical Sciences is a distinguished centre for teaching and research in the academic disciplines of Anatomy, Developmental Biology, Physiology, and Pharmacology. The School has more than 40 full-time research and teaching staff and is one of the largest Schools of its type in Australia. It has links to other prestigious research centres on the St Lucia campus which include the Queensland Brain Institute (QBI), The Institute of Molecular Bioscience (IMB) and The Australian Institute for Bioengineering and Nanotechnology (AIBN). Our diverse and state-of-the-art research provides an exciting environment for national and international research fellows and higher
degree students. Details of the research interests of academic staff may be accessed on the school’s web site at http://www.uq.edu.au/sbms/

In addition to its graduate research programs, the School teaches undergraduate students in Science, Medicine, and Health Sciences.

**Information for Prospective Staff**

Information about life at UQ including staff benefits, relocation and UQ campuses is available at - http://www.uq.edu.au/current-staff/working-at-uq

**DUTY STATEMENT**

**Primary Purpose of Position**

To provide routine technical and scientific support to researchers in the area of analytical and microscopy techniques under the direction of the Research Facilities Manager. The role is responsible for maintenance and operation of instruments and delivery of services on a fee-for-service basis. Services include inductions and training, specialist technical support, advice on method development, and data analysis.

**Duties**

Duties and responsibilities include, but are not limited to:

- Provision of lab inductions and training on instruments.
- Client consultations to ascertain service requirements and give technical advice.
- Maintenance of consumable stocks, reference materials and standards for use across a range of techniques.
- Implementation of standards to achieve consistently reliable outputs. Regularly review and seek client feedback on quality.
- As required, carry out sample preparation and analysis.
- Monitoring and calibrating instruments to ensure optimal performance and minimize downtime. Engage external technical support as required.
- Account management including monthly invoicing/ charging for services
- Any other duties as reasonably directed by the Research Facilities Manager.

**Other**

Ensure you are aware of and comply with legislation and University policy relevant to the duties undertaken, including but not exclusive to:
• the University’s Code of Conduct

• requirements of the Queensland occupational health and safety (OH&S) legislation and related OH&S responsibilities and procedures developed by the University or Institute/School

• the adoption sustainable practices in all work activities and compliance with associated legislation and related University sustainability responsibilities and procedures

• requirements of the Education Services for Overseas Students Act 2000, the National Code 2007 and associated legislation, and related responsibilities and procedures developed by the University

The Faculty of Medicine is based primarily at the Herston and St Lucia campuses. This role is based at St Lucia campus in the School of Biomedical Sciences and some travel between campuses and other locations may be required.

Organisational Relationships

The position reports to the Research Facilities Manager, School of Biomedical Sciences.
SELECTION CRITERIA

Essential

- Completion of a Bachelor degree in a relevant discipline with subsequent relevant experience; or an equivalent combination of relevant experience and/or education and training.
- Demonstrated knowledge and experience in analytical equipment including but not limited to PCR, spectrophotometry plate readers, and imaging systems for Western blots.
- Experience in standard microscopy techniques including fluorescent microscopy, slide scanning, confocal microscopy, and image data analysis.
- Experience working in a laboratory environment with minimal supervision, or as part of a small team.
- Proven ability to adapt to new work situations, set priorities, and to use initiative in resolving issues that are sometimes technically complex.
- Demonstrated computer literacy in Microsoft Office applications with ability and willingness to learn new packages as appropriate.

Desirable

- Skills and experienced in image analysis software such as ImageJ, Imaris, and Deconvolution (Hyugens).
- Skills and experience in flow cytometry and mass spectrometry.

The University of Queensland values diversity and inclusion.

Applications are particularly encouraged from Aboriginal and Torres Strait Islander peoples. For further information please contact our Australian Indigenous Employment Coordinator at: atsi_recruitment@uq.edu.au

Applications are also encouraged from women.

This role is a full-time position; however flexible working arrangements may be negotiated.