POSITION DESCRIPTION

Position Title: Research Assistant – Cell Culture
Organisation Unit: Australian Institute for Bioengineering and Nanotechnology
Position Number: 3040176
Type of Employment: Full-time, fixed-term
Classification: Hew Level 5 or 6 (Appointment level will be dependent on qualifications, skills and experience)

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 (43), the US News Best Global Universities Rankings (52), QS World University Rankings (47), Academic Ranking of World Universities (55), and the Times Higher Education World University Rankings (65). UQ again topped the nation in the prestigious Nature Index and our Life Sciences subject field ranking in the Academic Ranking of World Universities was the highest in Australia at 20.

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 240,000-plus alumni. The University has about 7,000 academic and professional staff and a $1.8 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://unquest.com.au/our-track-record).

UQ has a rapidly growing record of attracting philanthropic support for its activities and this will be a strategic focus going forward.

Organisational Environment

The University of Queensland's Australian Institute for Bioengineering and Nanotechnology (AIBN) is a dynamic multi-disciplinary research institute dedicated to developing technology to alleviate societal problems in the areas of health, energy, manufacturing and environmental sustainability. AIBN brings together the skills of more than 450 world-class researchers complimented by an extensive suite of integrated facilities, working at the intersection of biology, chemistry, engineering and computer modelling. With a reputation for delivering translational science, AIBN conducts research at the forefront of emerging technologies, and has developed strong collaborations with leading members of industry, academia and government. AIBN goes beyond basic research to develop the growth of innovative industries for the benefit of the Queensland and Australian economies. Information about the Institute can be accessed on the Institute’s web site at http://www.aibn.uq.edu.au/.

AIBN is committed to supporting the career growth of female researchers and have a number of initiatives to support females in developing and achieving a fulfilling research career at the institute. For more information, please visit our AIBN Women in Science web site at http://www.aibn.uq.edu.au/women.

The UQ Protein Expression Facility (PEF) is a Research Infrastructure Centre at UQ that offers extensive research services in recombinant protein production for academic and industry researchers. Located at the AIBN, UQ PEF provides the complete infrastructure and training for recombinant protein expression, purification and characterisation. More information about PEF can be accessed through the Facility’s website at: http://pef.uq.edu.au.

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

Protein production using insect and mammalian cell expression systems at the UQ Protein Expression Facility

Duties

Duties and responsibilities include, but are not limited to:

Research (HEW Level 5)

- Conduct protein expression using insect and mammalian cell expression systems
- Perform routine maintenance of laboratory equipment
- Establish and develop effective relationships with facility users
- Train and supervise professional staff and students in animal cell culture
- Prepare professional reports for the facility director and users
- Maintain accurate and up to date laboratory book records

**Administration (HEW Level 5)**
- Assist with facility enquiries by coordinating with professional staff, preparing correspondences, communications and documents
- Assist with the administrative and financial aspects of facility operation

**Research & Administration (Additional for appointment at HEW Level 6)**
- Lead and expand the capabilities of the facility in the area of animal cell culture
- Manage day-to-day operations and ongoing projects relating to protein production using insect cell and mammalian cell systems
- Manage resources relating to protein production in the area of animal cell culture

**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 of 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

**Organisational Relationships**

The position reports to the Director of the UQ Protein Expression Facility
SELECTION CRITERIA

**Essential**

- Completion of a degree in relevant area; or an equivalent combination of relevant experience and/or education/training
- Demonstrated proficiency in recombinant protein production, particularly in baculovirus-insect and/or mammalian cell expression systems
- Demonstrated ability in data analysis, record keeping, report writing and presentation of research results
- Excellent organisational skills and ability to prioritise own workload and meet deadlines

**Additional for appointment at HEW Level 6**

- Completion of a degree in relevant area with subsequent relevant work experience; or an equivalent combination of relevant experience and/or education/training
- Demonstrated ability to design, execute and manage research projects in animal cell culture
- Demonstrated skills and experience in team and project management

The University of Queensland values diversity and inclusion and actively encourages applications from those who bring diversity to the University. Please refer to the University's Diversity and Inclusion webpage (http://www.uq.edu.au/equity) for further information and points of contact if you require additional support.

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

Accessibility requirements and/or adjustments can be directed to the contact person listed in the job advertisement.