POSITION DESCRIPTION

Position Title:  Lecturer/Senior Lecturer in Biotechnology
Organisation Unit:  School of Chemistry and Molecular Biosciences
Position Number:  3044803
Type of Employment:  0.6 FTE, Fixed Term for 3 years
Classification:  Academic Level B/C

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 CWTS Leiden Ranking (32), the Performance Ranking of Scientific Papers for World Universities (43), the US News Best Global Universities Rankings (42), QS World University Rankings (48), Academic Ranking of World Universities (55), and the Times Higher Education World University Rankings (69). Excluding the award component, UQ is now ranked 45th in the world in the ARWU, and is one of the only two Australian universities to be included in the global top 50.

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 52,000-plus strong student community includes more than 16,400 postgraduate scholars and more than 15,400 international students from 135 countries, adding to its proud 250,000-plus alumni. The University has more than 6,600 academic and professional staff (full-time equivalent) and a $1.75 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 this will be a strategic focus going forward.

**Organisational Environment**

The Faculty of Science is recognised as a powerhouse for some of the world’s leading scientists, teachers, science programs and commercial outcomes. The Faculty is one of the largest Science groupings in Australia, with approximately 1100 (equivalent full-time) staff, and about 7500 (equivalent full-time) students.

Throughout its Schools and Centres, the Faculty unites the disciplines of agriculture and animals, biomedical and biological sciences, chemistry, earth sciences, food sciences, geography, marine science, maths and physics, the environment and veterinary science.

With strong links between the enabling and applied sciences, UQ researchers and graduates are working on a wide range of groundbreaking projects from the molecular characterisation of drug resistant bacteria that affect piglets through to finding better treatments for illness and rehabilitation of the environment.

Information about the Faculty may be accessed on the Faculty’s web site: http://www.science.uq.edu.au/

**School of Chemistry and Molecular Biosciences**

The School of Chemistry and Molecular Biosciences (SCMB) is one of the largest and most successful schools in the Faculty of Science, with a multidisciplinary approach to teaching and research that encompasses the disciplines of Chemistry, Biotechnology, Biochemistry and Molecular Biology, and Microbiology. The School is home to more than 60 continuing academic staff, around 100 research staff, 24 administrative officers, 28 technical staff, 250 postgraduate coursework students and 200 higher degree by research students. The School also hosts a number of research centres, including the Centre for Organic Photonics and Electronics, the Australian Infectious Diseases Research Centre, the Australian Centre for Ecogenomics Research and the Centre for Metals in Biology.

SCMB academic staff members have an outstanding track record of attracting competitive ARC and NH&MRC Project, Program and Fellowship funding and have a robust and growing engagement with industry. The School is well equipped for contemporary Chemistry, Biochemistry, Molecular Biology and Microbiology research, and is supported by the University’s outstanding major research infrastructure (including The Centre for Advanced Imaging (NMR and EPR) and The Centre for Microscopy and Microanalysis). It has an excellent record in attracting ARC LIEF funding for major research equipment.

SCMB teaches into several undergraduate programs including the BSc, BBiotech, BBiomedSc, BEng and MD (Medicine), postgraduate coursework programs, including MBiotech, MMolBiol and MBioinf, and higher degrees by research, including PhD and MPhil.

Further information and details of the research interests of academic staff may be accessed on the school’s web site at http://www.scmb.uq.edu.au/
The quality and breadth of SCMB’s Biotechnology Program has recently been recognised with a ranking of best in Australia and 7th globally for Biotechnology in the prestigious Shanghai Global Ranking of Academic Subjects for 2018.

The UQ Biotechnology Program is a collaborative, transdisciplinary program drawing on expertise from several University faculties, institutes, government agencies and local industry. The program allows students to examine microorganisms, plants and animals in the context of the discovery, understanding, improvement and development of viable products or processes. A number of the majors in the Bachelor of Biotechnology degree program are accredited by the Royal Australian Chemical Institute for their substantial chemistry content and include Chemical Biotechnology, Nanotechnology, and Drug Design & Development. The Master of Biotechnology program has been recognised by the U. S. Council of Graduate Schools as an affiliated Professional Science Masters program. This recognition is conferred upon degree programs which allow students to pursue advanced training in science, while simultaneously developing workplace skills highly valued by employers.

The Doctor of Biotechnology program (DBiotech) is designed to train scientists in the application of principles of management, to develop an understanding of management issues for research enterprises and technology ventures and the integration of specialist training in the area of biotechnology and research. It is an Australian Qualifications Framework Level 10 qualification equivalent to the PhD.

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

The University of Queensland Enterprise Agreement outlines the position classification standards for Levels A to E.

**DUTY STATEMENT**

**Primary Purpose of Position**

To engage, as a Lecturer/Senior Lecturer, in Biotechnology undergraduate and postgraduate teaching, postgraduate supervision, and further development of the programs where required, as well as administrative and other activities associated with the School. This position is offered as a Teaching and Research (T&R) role and candidates will be expected to perform teaching, research and service and engagement duties. Additional sessional work opportunities will be available to the successful candidate.

Applicants should also refer to the UQ Academic Criteria for Performance policy. This policy applies to staff at levels A to E, across all of the academic categories - Teaching and Research, Teaching Focused, Research Focused and Clinical Academic.

**Duties**

Duties and responsibilities include, but are not limited to:

**Teaching and Learning**

Level B and C

- Act as key point of liaison between the Biotechnology program and the Business School.
- Teach undergraduate and postgraduate courses in the area of Biotechnology/Business, and in other areas of the School as required.

- Take responsibility for the preparation and delivery of substantial course modules.

- Coordinate one or more courses, including collaboration in curriculum review, design and delivery where appropriate.

- Enhance teaching of Biotechnology/Business and/or planning through the development of innovative teaching tools and approaches, including flexible delivery.

- Effectively supervise, foster and mentor Honours and postgraduate level students.

- Provide market research for new Biotechnology programs as required.

- Provide support for other positions during absences.

Level C

- Continually develop the curriculum, teaching resource and approaches to improve the quality of courses as measured through evaluation instruments to meet industry and educational standards.

- Demonstrate successful coordination or a significant aspect of the Biotechnology program.

**Research**

Level B and C

- Develop an outstanding research program in Biotechnology/Business including external funding.

- Develop an established record of publication in high quality outlets.

- Take chief investigator roles, potentially in collaboration with more experienced researchers, in applications for external research funding.

- Work with colleagues and postgraduates in the development of joint research projects.

Level C

- Develop, lead and manage substantial externally-funded research projects.

- Develop a research profile of international standing that contributes to the School’s strategic research strengths.

**Service and Engagement**

Level B and C

- Contribute to the processes that enable the academic team to manage the work of the School, including participate in School decision-making and serve on School committees as appropriate.

- Foster the School and Biotechnology Program’s relations with industry, government departments, professional bodies and the wider community.

- Any other duties as reasonably directed by your supervisor.
Level C

- Effectively perform higher level internal duties.
- Make a high level / leadership contribution to external roles.

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 Head of School.

SELECTION CRITERIA

- PhD in the area of Business and/or Biotechnology.
- Demonstrated expert knowledge in the area of Business and/or Biotechnology.
- Demonstrated teaching skills at undergraduate and postgraduate levels in discipline areas relevant to Business and/or Biotechnology, including involvement in curriculum development.
- An ability to establish effective relationships and to represent and promote academic discipline at a university and wider community level, including industry, government and professional bodies.
- Evidence of a contribution to research, including successful external grant/fellowship applications.
- Ability to work collaboratively with colleagues.
- Developed industry liaisons and professional contacts.
- Experience in liaising and collaborating with external agencies to develop co-operative research initiatives.

Additional selection criteria for Level C

- Demonstrated capacity for independent research, with a track record of experience as a chief investigator or lead on substantial externally-funded research projects.
- Demonstrated track record of curriculum innovation and the development of teaching resources that foster critical and strategic thinking.
- Track record as an effective principal supervisor of higher degree research students.

**Seminar**

Applicants invited for interview may be expected to present a seminar in conjunction with the selection interview process.

**Qualification Verification**

An appointment to this position is subject to the verification of the highest academic qualification from the conferring institution.

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 part-time position; however additional sessional opportunities may be available.

Accessibility requirements and/or adjustments can be directed to science.recruitment@uq.edu.au.