THE UNIVERSITY OF QUEENSLAND

The University of Queensland (UQ), located in Brisbane, Australia, ranks consistently among the world’s top universities and delivers unparalleled teaching, learning, and research excellence.

The University is a global leader in finding solutions to society’s problems. It has a strong and internationally focused research culture and an enviable track record in research translation and commercialisation. It is also nationally recognised for its leadership in teaching and learning, having won more Australian Awards for University Teaching than any other university.

UQ ranks in the world’s top universities, as measured by several key independent rankings, including the Performance Ranking of Scientific Papers for World Universities (41), QS World University Rankings (47), the US News Best Global Universities Rankings (45), Academic Ranking of World Universities (55), and the Times Higher Education World University Rankings (65). Excluding the award component, UQ is now ranked 45th in the world in the Academic Rankings of World Universities (excluding award factor), and is one of only two Australian universities to be included in the global top 50.

UQ is one of only three Australian members of the global Universitas 21; a founding member of the national Group of Eight (Go8) universities; a member of Universities Australia; and one of only two Australian charter members of the prestigious edX consortium, the world’s leading not-for-profit consortium of massive open online courses (MOOCs).

UQ is committed to providing students with the best opportunities and practical experiences while at university – including interactions with researchers, industry and international partners – empowering them with transferable knowledge and skills that will prepare them to exceed expectations throughout their careers.

More than 52,000 students, including the majority of Queensland’s highest academic achievers, as well as top interstate and overseas students, study across UQ’s three beautiful campuses in South-East Queensland at St Lucia, Herston, and Gatton. They include more than 16,400 postgraduate and about 15,400 international students who contribute to a diverse, supportive and inclusive campus community.

UQ has around 250,000 graduates – including 13,000 PhDs – in more than 140 nations. UQ’s graduate employability statistics are impressive. According to the latest Graduate Careers Australia’s Australian Graduate Survey (2017), 73.5 per cent of UQ Australian bachelor’s degree
graduates available for full-time work had secured full-time employment within four months of completing courses, comparing favourably to the national average of 68.8 per cent.

UQ employs more than 6,600, academic and professional staff and has a $1.7 billion annual operating budget.

The University of Queensland Business School
The University of Queensland Business School is independently ranked as one of the top business schools in Australia and among the leading institutions worldwide. Based in Brisbane, it brings together over 160 subject experts with over 10,000 students and offers a wide range of degree programs and Executive Education.

The School has seven main areas of academic strength represented by disciplines; Accounting, business information systems; finance; international business management; marketing; strategy & entrepreneurship business; and tourism with a senior academic reporting to the Head of School leading each discipline. The successful applicant would be joining the Finance Discipline within the UQ Business School. Currently, the School has over 10,000 students enrolled in its programs. Approximately one-third of the student body are international students, mostly from the Asia-Pacific region.

The School’s mission is to be courageous thinkers who empower future leaders to positively transform business and society. The School carries AACSB International and EQUIS accreditation – the first school in Australia to receive AACSB and EQUIS accreditation across the full range of programs. The School enjoys strong research links with leading international research schools.

Details of the teaching programs, research activities and business relations may be accessed through the School’s web site at: http://www.business.uq.edu.au/. Information about the Faculty and the School may be accessed on the Faculty’s web site at http://www.bel.uq.edu.au.

The Centre for Advanced Imaging
The Centre for Advanced Imaging (CAI), a strategic initiative of The University of Queensland, is a leading imaging research facility in Australia, and one of a handful in the world. It brings together the skills of a critical mass of researchers and state-of-the-art, world- or Australian-first imaging research instruments including NMR, EPR, MRI, PET, CT, optical imaging and an on-site cyclotron and radiochemistry facilities. CAI hosts the largest Node of the National Imaging Facility (NIF) (http://anif.org.au/).

CAI conducts research across the spectrum from development of new imaging technologies, analysis of molecular structure, synthesis of MRI and PET biomarkers targeting fundamental biological processes to studies of major diseases affecting a range of organ systems, through to imaging economically significant agricultural animals and plant material, minerals and construction materials.

A multidisciplinary, cohesive student community have come together from all over the globe to CAI to undertake research training. The Centre has an active student association (STAC) that provides many opportunities for networking and professional development, a supportive mentoring structure that will enhance personal and professional growth, an annual symposium and a well-attended weekly seminar program which attracts high profile National and International speakers.

Further details on the Centre for Advanced imaging and ongoing research can be found on CAI’s website http://www.cai.uq.edu.au/.

CAI 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 CAI Women in Imaging website at https://cai.centre.uq.edu.au/women-imaging.
The Australian Research Council Training Centre for Innovation in Biomedical Imaging Technology (CIBIT)

CIBIT (www.cibit.org.au) is a multidisciplinary collaboration between researchers at The University of Queensland’s Centre for Advanced Imaging and partners in the Medical Technologies and Pharmaceutical industry. The purpose of this national Centre is to provide research training to close critical skills gaps and to develop more effective imaging probes and scanning algorithms in conjunction with industry partners. Students will undertake industry-driven research to overcome bottlenecks in the development and application of novel diagnostics, therapeutics and theranostics and to inform changes in regulatory policy that support industry growth. Scholarships will include an industry placement for one year.

The Project

CIBIT encompasses a number of major research projects across science and business. These scholarships will focus on projects in health economics of targeted drugs and diagnostic agents, and regulatory frameworks for AI in imaging. The candidates will also work with our industry partners, including Inter-K Peptide Therapeutics, Clarity Pharmaceuticals Pty Ltd, Minomic International Ltd, Theraonotics (Australia) Pty Ltd, Brisbane Veterinary Specialist Clinic, Uniting Care Medical Imaging, Red Radiology Pty Ltd, Siemens Healthcare Pty Ltd and GBI International Pty Ltd., as interns.

While the PhD or MPhil projects will draw from UQ Business School, CAI and CIBIT, the principle supervisors are in the Business School. Candidates will be able to select a research topic from that may include:

1. Investigating the funding models for targeted agents, which are designed for well-defined disease subgroups, and because of their small markets, presenting difficulties in recouping development costs through sales. Using a combination of secondary data and targeted interviews, the project will address the important question of how drug development can be funded while ensuring affordability and minimising costs.

2. Examining the impact of the clinical culture in diagnostic imaging and the Australian and international regulatory, pricing and reimbursement mechanisms on the clinical translation of digital decision support tools for diagnostic imaging. Clinical culture will be examined through in-depth interviews with clinicians and other users of the technology. Regulatory frameworks governing the registration of medical devices, data protection and confidentiality will be examined by analysing publicly available data.

3. Exploring and examining how the increasing adoption and use of artificial intelligence impacts professional values, clinical culture and the multiple stakeholders involved in diagnostic imaging. Data will consist of interviews and observations with impacted stakeholders enabling an understanding of the different ways in which AI can impact the diagnostic imaging industry.

4. Projects that fall within the overall research areas of health economics in targeted drugs, diagnostic agents and imaging, as agreed with supervisors.

The Candidate

Applications are invited from outstanding and enthusiastic graduates with a relevant background as follows:

- Academic: Specialization in health economics, but knowledge of innovation or commercialization processes is desirable.
- Methods: Skilled in econometrics and other health economics related techniques. Experience in interviewing is desirable.
- High quality writing skills as evidenced by outputs in conference papers, journal articles or other forms of academic writing and industry reports.
- Knowledge of the health industry is important and previous experience conducting research in a healthcare context highly desirable.
Personal Qualities: We are looking for someone who is enthusiastic, self-motivated and keen to make contributions to both theory and practice and able to collaborate with business academics and healthcare professionals.

Students may be domestic or international of high scholarly caliber and must meet the requirements for admission into the UQ Graduate School PhD or MPhil programs (https://graduate-school.uq.edu.au/uq-research-degrees), including meeting the English language requirements, and must demonstrate excellent capacity and potential for research.

Remuneration
The base stipend will be at the rate of AUD $32,788 per annum (2019 rate) tax-free, indexed annually for up to 2.5 years for the MPhil and three years with the possibility of two six month extensions in approved circumstances for the PhD. For the candidates who have been successful in obtaining any government-funded scholarship or UQ-funded scholarship or any other external scholarship, a top-up scholarship may be awarded.

Please note that the successful applicant(s) will be required to apply to the UQ Graduate School for admission. A successful application for this research project does not guarantee a successful application with the UQ Graduate School. Successful applicants must accept and commence within 6 months of receiving an award.

Enquiries
For enquiries specific to this project please contact Prof. Martie-Louise Verreyne (m.verreyne@business.uq.edu.au) or Dr. Anna Jenkins (a.jenkins@business.uq.edu.au).

To Apply
All applicants must supply the following documents:
- A cover letter that addresses how you meet the requirements for participation in the project and admission to the PhD or MPhil program;
- Academic CV, including details of two referees. Please go to https://graduate-school.uq.edu.au/what-include-academic-curriculum-vitae-cv for details on what is required in an academic CV;
- For international applicants from a non-English speaking background: evidence of meeting UQ's English language proficiency requirements: https://graduate-school.uq.edu.au/english-language-proficiency-requirements;
- Academic transcripts and award certificates for all post-secondary study undertaken, complete or incomplete, including the institution grading scale, and official translations if the original document language is not English.