POSITION DESCRIPTION

Position Title: Associate Lecturer/Lecturer – Biostatistics
Organisation Unit: School of Public Health, Faculty of Medicine
Position Number: 3024740
Type of Employment: Full-time, fixed term appointment for three years
Classification: Teaching and Research Academic Level A or B commensurate with qualifications, experience and academic achievements

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 (60). 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://un quest.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.

Faculty of Medicine

The University of Queensland’s 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 Spinafex 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.medicine.uq.edu.au.

The School of Public Health

The University of Queensland was, in 1936, the first university in the English-speaking world to establish a Department of Social Medicine. This evolved in the 1950's to the Department of Preventative and Social Medicine and the School was formally established in 2001 to improve health outcomes through learning, discovery and engagement. The School of Public Health has recently been ranked as the top Public Health school in Australasia in the US News Global university rankings. We are a global leader in improving the health of populations in a changing and inequitable world.
The School’s strategy is centered on academic performance and a commitment to excellence in teaching. We offer programs and courses in all major fields of population and public health to almost 1000 postgraduate and undergraduate students. Our MPH is the only accredited programme in the Australasia and S.E. Asia region (APHEA and ASPHER) and one of the few to offer a dual MD/MPH degree. More than 100 research higher degree (PhD and MPhil) students actively contribute to the School’s vibrant research culture while receiving comprehensive preparation for academic careers or leadership roles in public health.

Our research is focused on making a real impact on some of the world’s most pressing health challenges and was recently ranked by the Australian Research Council as amongst the world's best. Current priorities include health behaviors and health promotion; cancer prevention; environmental health; epidemiology and biostatistics; longitudinal studies of women’s health; mental health; HIV/AIDS; substance use, antimicrobial stewardship and other aspects of health services research.

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**

The primary purpose of the position is to contribute to the teaching and research activities in the field of Biostatistics in the School and the University; to work with the Head of School and the Head of Epidemiology and Biostatistics, as well as other staff members in the field of Biostatistics and the School to develop and implement the School’s strategic plan; to contribute to the development of course materials; and to engage in the building and maintenance of research programs in Biostatistics.

**Duties**

Duties and responsibilities include, but are not limited to:

**Level A – Teaching and Learning**

- Support the coordination of and teach courses ranging from introductory Biostatistics for undergraduates and postgraduates in Epidemiology/Public Health through to the national postgraduate program in Biostatistics using both face to face and external modes of delivery; it may also include relevant teaching in research methods courses.
- With assistance from other staff in Biostatistics and other disciplines provide support in developing integrated learning experiences for students from external modes of delivery.

**Research**

- Develop a research program in Biostatistics within a research group (where relevant) in line with the School’s major research strengths.
Participate in attracting research grants to support research activities in collaboration with multidisciplinary teams.
Collaborate in research projects within and linked to the School, including those involving staff in local hospitals and other health authorities.
Publish high quality research papers in leading scientific journals in collaboration with more senior colleagues.
Supervise undergraduate and postgraduate students in their coursework and research projects.

**Service and Engagement**
- Develop external contributions to biostatistical concepts and methods among public health academics and clinicians.
- Share in academic service roles and participate (where relevant) in organisations external to the university in relevant areas, and where this is likely to contribute to research and teaching.

**Level B – Teaching and Learning**
- Coordinate and teach courses ranging from introductory Biostatistics for undergraduates and postgraduates in Epidemiology/Public Health through to the national postgraduate program in Biostatistics using both face to face and external modes of delivery.
- Collaborate with other staff in Biostatistics and other disciplines to provide integrated learning experiences for students from external modes of delivery; it may also include relevant teaching in research methods courses.

**Research**
- Develop a research program in Biostatistics in line with the School’s major research strength.
- Attract research grants to support research activities in collaboration with multidisciplinary teams.
- Collaborate in research projects within and linked to the School, including those involving staff in local hospitals and other health authorities.
- Publish high quality research papers in leading scientific journals.
- Supervise undergraduate and postgraduate students in their coursework and teaching.

**Service and Engagement**
- Promote the application of biostatistical concepts and methods among public health academics and clinicians.
- Participate in organisations external to the university in relevant areas, and where this is likely to contribute to research and teaching.
- Take part in relevant consultancy activities that can also contribute to research and teaching.
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 Professor Gita Mishra, Head of Division of Epidemiology and Biostatistics, School of Public Health.

SELECTION CRITERIA

**Essential for Level A**

- A research doctorate (PhD or MD) or equivalent with a strong emphasis on Biostatistics or applied statistics
- Knowledge of theory and practice of biostatistics in observational epidemiology and intervention studies
- Knowledge in delivering courses in biostatistics
- Ability to work collaboratively with colleagues in public health fields, and epidemiological, bio-medical and social sciences using various methodologies
- Ability to work effectively in teams in teaching and research
- High level interpersonal and communication skills
- Ability to participate in publishing high quality papers in leading scientific journals
- Ability to supervise graduate theses and dissertations
- Collaboration in research, teaching and / or consulting

**Essential for Level B**

All criteria for level A, plus:

- A research doctorate (PhD or MD) with a strong emphasis on Biostatistics or applied statistics
- Knowledge of theory and practice of biostatistics in observational epidemiology and intervention studies
- Ability to develop and deliver courses in biostatistics
- Ability to work collaboratively with colleagues in public health fields, and epidemiological, bio-medical and social sciences using various methodologies
- Ability to work effectively in teams in teaching and research
- High level interpersonal and communication skills
- Ability to publish high quality papers in leading scientific journals
- Ability to supervise graduate theses and dissertations
- Collaboration in research, teaching and / or consulting
Desirable

- Experience in liaising and collaborating with external agencies and clinicians to develop co-operative research initiatives
- Experience in teaching using a variety of modes, including in both face to face and by distance
- Experience in teaching medical 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 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.