POSITION DESCRIPTION

Position Title: Lecturer/Senior Lecturer in Animal Genetics and Genomics
Organisation Unit: School of Veterinary Science
Type of Employment: Full-time, fixed term (3 years)
Classification: Academic Level B/C
Location: Gatton

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 (45), QS World University Rankings (48), Academic Ranking of World Universities (55), and the Times Higher Education World University Rankings (69). UQ again topped the nation in the prestigious Nature Index, and our Academic Ranking of World Universities result in the field of Life and Agricultural Sciences is 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://uniquest.com.au/our-track-record). UQ has a rapidly growing record of attracting philanthropic and industry support for research and teaching activities.

Organisational Environment

The School of Veterinary Science is part of the Faculty of Science within the University of Queensland, where UQ is consistently ranked in the top 50 universities worldwide. 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.

The Faculty of Science is home to Schools representing the disciplines of agriculture, food and animal sciences; biological sciences; chemistry and molecular biosciences; earth sciences; geography and environmental science; maths, physics; and veterinary science. With strong links between the enabling and applied sciences, Faculty of Science researchers and graduates are working on a wide range of ground breaking projects from the molecular characterisation of drug resistant bacteria through to discovering better medical treatments and rehabilitation of the environment.

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

The School of Veterinary Science has a rich history, having been founded in 1936, and with a reputation for graduating highly capable veterinarians. The School of Veterinary Science has high quality facilities at the UQ Gatton Campus, providing the teaching, research and clinical infrastructure and resources to further develop its strong reputation as a leading provider of veterinary training, research and clinical care. Situated on the UQ Gatton Campus in the Lockyer Valley, the School has outstanding facilities including a modern, purpose-built veterinary teaching hospital offering clinical veterinary services to all species of animals The UQ Gatton Campus covers 7068 hectares of highly productive land. It has fantastic facilities across the broader agriculture spectrum, including the Queensland Animal Science Precinct, as well as poultry, dairy, livestock grazing, pigs, horses and cropping enterprises.

The Veterinary Science program at UQ has full accreditation with the Australasian Veterinary Boards Council, the Royal College of Veterinary Surgeons and the American Veterinary Medical Association. The School also contributes to programs in veterinary technology and animal & veterinary bioscience.

The respected QS World Rankings recently ranked UQ as 22nd in the world in the field of Veterinary Science. Our broad portfolio of research aims to improve health and welfare outcomes for animals and protect the public from disease associated with animals. Research in veterinary science crosses over into UQ's research strengths in such areas as public health and health services, genetics and genomics, and agriculture sciences. This research contributes strongly to efficient and ethical agricultural production, biosecurity and wildlife management. The relationships between animal and human diseases and health, and the transmission processes between the two, are a core focus of the global One Health initiative.
Primary Purpose of Position

To contribute to teaching, research and service as a Lecturer/Senior Lecturer in Animal Genetics and Genomics. The appointee will be responsible for teaching into the undergraduate and postgraduate programs in veterinary science, veterinary technology and science and will contribute to ongoing development of the curriculum in the field. The appointee will be required to maintain a research program in areas related to the discipline of genetics and genomics, to supervise research students and develop partnerships with external agencies.

Duties

Duties and responsibilities include, but are not limited to:

Teaching

- Coordinate and teach undergraduate and postgraduate courses in the field of animal genetics in the veterinary science, veterinary technology and science program or other areas of the School as required.
- Take responsibility for the preparation and delivery of substantial course modules and collaborate in curriculum design.
- Effectively supervise, foster and mentor undergraduate, postgraduate and Higher Degree by Research students.
- For level C, provide significant contributions to coordination and improvement of curriculum, teaching resources and approaches and act as principal supervisor for HDR students.

Research

- Develop a program of research in animal genetics and genomics including achievement of national recognition in a research area and acting as chief investigator in applications for external research funding.
- For level C, develop substantial leading roles in innovative research activities with impact and successfully manage significant external funding.
- Develop an established record of publication in high quality outlets

**Service and Engagement**

- Efficiently manage allocated internal service roles, to assist with academic work of the School.
- Actively promote and foster the School’s relations with industry, government departments, professional bodies and the wider community.
- Any other duties as reasonably directed by your supervisor.

**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, School of Veterinary Science.

**SELECTION CRITERIA**

- A PhD in the area of genetics or genomics.
- Evidence of research experience, including peer review publications in leading journals and success in attracting external research grants and/or fellowships.
- Evidence of effective teaching practices, using a range of approaches.
- Demonstrated experience in team-based and collaborative research and teaching, including with external agencies.
- An ability to establish effective relationships and to represent and promote the academic discipline at a university and wider community level, including industry, government and professional bodies.
- Demonstrated effective interpersonal, teamwork, negotiation and consultation skills and formal written and oral communication skills.

**Additional 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.
- Experience in genetics and genomics courses at undergraduate and/or postgraduate levels resulting in continuous improvement of curriculum, development of teaching resources and implementation of innovative pedagogies that foster critical and strategic thinking
- Active and effective record in principal supervision of higher degree by research

**Seminar**

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

**Vaccinations and Immunisation**

It is a condition of employment for this role that if you are required now or in the future, to work or interact in Queensland Health clinical facility; or in an equivalent clinical health facility; or health care role; or will be required to perform work tasks that put you at risk of exposure to vaccine-preventable disease you are required to be immunised against, and remain immunised against, certain vaccine preventable diseases (VPDs) in accordance with the University’s Vaccinations and Immunisation Guidelines (PPL 2.60.08). The employee is required to provide evidence of immunisation against VPDs.

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.

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