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 well within the top 100 universities worldwide, measured through a number of major independent university rankings: the Academic Ranking of World Universities, Times Higher Education World University Rankings, US News Best Global Universities Rankings, QS World University Rankings and Performance Ranking of Scientific Papers for World Universities, and is indeed in the top 50 in some of these rankings. In 2013, UQ attracted more Australian Research Council funding than any other Australian university or research body.

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 Australian Teaching and Learning Council Awards for Teaching Excellence 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, and a founding member of Universitas 21, an international consortium of leading research-intensive universities. UQ is also the largest university in Queensland.

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 215,000-plus alumni. The University has more than 7,000 academic and professional staff and a $1.6 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.

**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](http://www.medicine.uq.edu.au).

**Child Health Research Centre (CHRC)**

The CHRC is a faculty-level research centre focused on child and adolescent health, consisting of over 200 researchers, research higher degree students and support staff. The CHRC has research strengths in the areas of children's health and the environment, respiratory medicine, infectious diseases, nutrition, oncology, and online health with researchers working in the fields of basic biomedical science and clinical and population health research.

Information relating to the activities of CHRC may be found at [www.child-health-researchcentre.uq.edu.au](http://www.child-health-researchcentre.uq.edu.au)
DUTY STATEMENT

Primary Purpose of Position

The primary purpose of the position is to study the impact of direct acting antivirals and inhibitors of host innate immune cell signalling on innate immune cell function in response to infection of airway epithelial cells. This study will employ a broad range of molecular biological, biochemical, biophysical methods including primary human cell culture techniques (submerged cultures and air-liquid interface), qPCR and single cell PCR, cell signalling analysis, fluorescence microscopy, and is part of a collaboration with an international pharmaceutical company. The Children's Lung, Environment and Asthma Research [CLEAR] team is one of the leading teams in the study of airway inflammation in children and it will provide the selected candidate with a unique opportunity to develop new skills and career opportunities in the investigation of the mechanisms of innate lung defence.

Duties

Duties and responsibilities include, but are not limited to:

Research

1. Perform all phases of experimental investigations. Design, execute, and record laboratory experiments; apply standard scientific protocols, improve current methods and evaluate innovative techniques.

2. Collaborate closely with Principal Investigators and senior researchers in the progress of major research projects by participating in the planning, developing, operating, recording, collaborating and reporting of major projects.

3. Contribute to the projects progress by discussing relevant insights, critical and creative thinking and monitoring of relevant literature.

4. Maintain an integral role in the laboratory's meetings, presentations, and publications. Present information on research and laboratory work to others at laboratory meetings, journal clubs, and seminars.

5. Preparation of scientific reports, papers, journal articles, abstracts and grant applications along with publication of your scientific results in peer-reviewed journals and present data at conferences.

6. Provide guidance and advice to laboratory staff and students in one or more laboratory areas, in relation to complex techniques or analyses.

7. Performs all other duties as assigned.
Other
Ensure you are aware of and comply with legislation and University policy relevant to the duties undertaken, including:

- 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 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 CLEAR Director and Senior Research Scientist.

SELECTION CRITERIA

Essential

- Completion of a PhD in Biosciences, immunology, microbiology, cell biology, or a related discipline
- Demonstrated research experience of relevant in vitro experimental techniques/approaches.
- Extensive experience with tissue culture and basic molecular biology, biochemistry, microbiology, and immunology techniques.
- Experience in fluorescence microscopy, in vitro viral infection, qPCR, flow cytometry and cell signaling along with experience of cell culture of primary respiratory epithelial cells.
- Demonstrated ability to determine the approach to a research problem and to develop, plan and carry out the actual experiments to tuition along with an ability to devise new methods and techniques.
- Demonstrated oral and written communication and organisational skills, as well as an ability to establish and maintain effective working relationships with others in multi-disciplinary research teams.
- A demonstrated experience in scientific productivity and an ability to work independently whilst working closely with the primary investigators.
- Ability to understand and apply policies and procedures.

The University of Queensland is committed to equity, diversity and inclusion.