

POSITION DESCRIPTION

Position Title:	Postdoctoral Research Fellow
Organisation Unit:	School of Chemistry and Molecular Biosciences
Position Number:	3077275
Type of Employment:	Full-time, Fixed-term
Classification:	Research Academic Level A

THE UNIVERSITY OF QUEENSLAND

The University of Queensland (UQ) is one of Australia's leading research and teaching institutions. For more than a century, we have been bringing together outstanding educators, researchers and innovators – across a range of disciplines – to inspire the next generation and to advance ideas that can benefit the world.

Today, UQ is [ranked among the world's leading universities](#) and we are consistently recognised as one of the top 5 universities in Australia.

Each year, we teach around 55,000 students across 6 faculties, located at our 3 beautiful campuses at St Lucia, Herston and Gatton – as well as online. We aspire to broaden the knowledge and skills of these students, so that they're equipped to achieve their professional goals and make a positive contribution to our society, and the world.

The University is also home to 8 research institutes and more than 100 separate research centres with an interdisciplinary community of more than 1500 researchers, who have come to UQ from all over the globe. This outstanding community of researchers is continuing to build upon UQ's long and proud tradition of discovery science, invention, innovation, translation and commercialisation.

At UQ, we recognise that our people are our greatest asset. As such, we seek to recruit innovative people who are passionate about helping us to advance our mission and broaden our impact.

Our culture is built on the things that we value most highly – the pursuit of excellence; creative and independent thinking; honesty and accountability; mutual respect and diversity; and providing support for our people. Through the promotion of these values, we're creating a culture that encourages our people to bring their very best, authentic self when they come to work at UQ.

Organisational Environment

The School of Chemistry and Molecular Biosciences is part of the UQ Faculty of Science, and is an international leader in chemical and molecular life sciences teaching, research and research translation.

Our academics teach and research in the disciplines of chemistry, biochemistry, biotechnology, microbiology and parasitology.

The School's biomolecular research spans small synthetic molecules through to proteins, nucleic acids, viruses and microorganisms, and its materials research encompasses the design and synthesis of molecular devices, functional polymers and nanomaterials.

Many colleagues are widely published internationally and have contributed to significant scientific advances as diverse as organic opto-electronics, safer vaccines and potential treatments for viral infections, ways to combat antimicrobial drug resistance, improved food safety screening, and breast cancer research to allow early detection.

The School's research and teaching excellence is enabled by world-class facilities and laboratories that house a range of specialist equipment and instrumentation.

For more information, visit the School of Chemistry and Molecular Biosciences website: scmb.uq.edu.au.

Information for Prospective Staff

Information about life at UQ including staff benefits, relocation and UQ campuses is [available online](#).

The University of Queensland [Enterprise Agreement](#) outlines the position classification standards for Levels A to E.

DUTY STATEMENT

Primary Purpose of Position

A Postdoctoral Research Fellow will focus their efforts on developing their expertise and emerging research profile in their discipline. At this level it is expected that the incumbent will contribute to service and engagement roles and activities.

As a Research Focused Academic at Level A, the incumbent will be supported and guided by more senior academic research staff with the expectation of an increasing degree of autonomy over time.

Duties

The duties and responsibilities include, but are not limited to

Research

- Conduct research into the influenza virus pathogenesis and SARS-CoV-2
- Prepare reports of experimental findings for publications and presentations.
- Participate in administrative activities associated with running the laboratory, such as ordering, preparation of ethics applications and maintenance of databases.
- Work with colleagues and postgraduates in the development of joint research projects.
- Keep accurate and secure records of procedures and experimental results in accordance with university and granting body policies.
- Develop, adapt and implement new research techniques and protocols

Service and Engagement

- Demonstrate efficient performance in allocated service roles
- Begin to develop external contributions
- 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 Dr. Kirsty Short and Dr. Linda Gallo, School of Chemistry and Molecular Biosciences.

SELECTION CRITERIA

- PhD in the area of immunology, virology, molecular biology and/or microbiology.
- Demonstrated expert knowledge in the area of Influenza and SARS-CoV-2
- Experience working in PC3 laboratory is essential (In particular SARS-CoV-2)
 - Include plaque assays
 - Neutralisation assays
 - Knowledge of biosafety requirements
- Experience with:
 - Working influenza virus and SARS-CoV-2
 - animal handling (surgical skills highly desirable)
 - Experimentation involving eggs
 - Previous experience working with patient samples (including patient privacy and ethics application)
 - Cell culture and cell/molecular biology (including real time quantitative PCR)
 - RNA-Seq and python programming
 - Competence in Histology and immunoassays
 - Flow cytometry (experience with FloJo is highly desirable)
 - PBMC Isolation
 - Working with multiple stake holders from different backgrounds

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 recruitment@uq.edu.au.