

## POSITION DESCRIPTION

<b>Position Title:</b>	Postdoctoral Research Fellow
<b>Organisation Unit:</b>	Australian Institute for Bioengineering and Nanotechnology
<b>Position Number:</b>	NEW
<b>Type of Employment:</b>	Full time, fixed term
<b>Classification:</b>	Academic Research 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 *Academic Discipline* is one of the largest Schools of this type in Australia with x full-time academic staff members who are widely published internationally and have extensive research backgrounds. The School has x number of professional staff who provide professional, technical and administrative support

The School's strengths are reflected in its three research centres – the *Alpha* Research Unit, the Centre for *Bravo* and the *Charlie* Research Unit. Some *y* students are presently enrolled in the School's PhD program and, while their areas of research are often linked to these centres, their topics cover most aspects of *academic discipline*.

Postgraduate coursework programs in *Alpha* Studies and *Bravo* Relations are offered internally and externally and provide professional training to both Australian and international students.

Information about the Faculty and the School may be accessed on the Faculty's web site at <http://www.uq.edu.au/faculty-school>.

## **Organisational Environment**

The University of Queensland's Australian Institute for Bioengineering and Nanotechnology (AIBN) is a dynamic multi-disciplinary research institute dedicated to developing technology to alleviate societal problems in the areas of health, energy, manufacturing and environmental sustainability. AIBN brings together the skills of more than 450 world-class researchers complimented by an extensive suite of integrated facilities, working at the intersection of biology, chemistry, engineering and computer modelling. With a reputation for delivering translational science, AIBN conducts research at the forefront of emerging technologies, and has developed strong collaborations with leading members of industry, academia and government. AIBN goes beyond basic research to develop the growth of innovative industries for the benefit of the Queensland and Australian economies.

Our people are our greatest asset. We offer collaborative, inclusive work and study places, which are enriched by the significant diversity of our staff, students and community. We genuinely believe that creativity and innovation flourishes in an environment where people feel supported, valued and empowered. Mutual respect, inclusivity and accountability are at the cornerstone of UQ's culture.

AIBN is committed to supporting the career growth of women researchers and have a number of initiatives to support women in developing and achieving a fulfilling research career at the institute. For more information, please visit our AIBN Women in Science web site at <http://www.aibn.uq.edu.au/women>.

## **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**

The primary purpose of this position is to conduct research as a part of the ARC Laureate fellowship awarded to Prof Alan Rowan, in collaboration with the group of Prof Kristofer Thurecht (CAI) with the main focus of studying the biodistribution characteristics of semiflexible polyisocyanopeptide-based polymers.

This position will focus their efforts on developing their expertise and emerging research profile in the disciplines of polymer synthesis, characterisation and material biodistribution animal studies. At this level the incumbent will be initially supported and guided by more senior academic staff with the expectation of an increasing degree of autonomy over time.

## **Duties**

### **Research**

- Develop a coherent research program in the area of polymer biodistribution by conducting research and publishing scholarly papers or exhibiting in high quality outlets.
- Work with colleagues and postgraduates in the development of joint research projects.
- Participate in applications for external research funding.
- Prepare research publications and progress reports and participate in regular meetings to discuss project objectives, methodology and outcomes.
- Present data at national and international conferences

### **Teaching and Learning**

- Contribute to supervision of Honour student and Higher Degree by Research students (as appropriate).

### **Service and Engagement**

- Begin to develop external relationships 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 Professor Alan Rowan.

## SELECTION CRITERIA

- PhD (or progress towards PhD) in the area of polymer science, chemistry or related discipline
- Experience in small molecule chemical synthesis as well as techniques related to polymer science and characterisation.
- Experience in conducting animal studies focused on material's biodistribution and their data evaluation.
- Track record of publication of research findings in peer reviewed journals and conferences.
- An ability to commence establishing effective relationships to represent and promote the research area at a university and wider community level.
- Demonstrated high-level communication and interpersonal skills including the ability to consult and negotiate with other stakeholders to ensure project objectives are met.
- Well-developed communication, interpersonal and consultative skills and the ability to work collaboratively with colleagues from a multidisciplinary background and research groups.

### 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.

*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](mailto:recruitment@uq.edu.au).*