POSITION DESCRIPTION

Position Title: Lecturer in Astrophysics
Organisation Unit: School of Mathematics and Physics
Position Number: 1307084
Type of Employment: Full time, fixed term appointment for 5 years at Academic Level B
Classification: Academic Level B

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 CWTS Leiden Ranking (32), the Performance Ranking of Scientific Papers for World Universities (43), the US News Best Global Universities Rankings (42), QS World University Rankings (48), Academic Ranking of World Universities (55), and the Times Higher Education World University Rankings (69). Excluding the award component, UQ is now ranked 45th in the world in the ARWU, and is one of the only two Australian universities to be included in the global top 50.

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 52,000-plus strong student community includes more than 16,400 postgraduate scholars and more than 15,400 international students from 135 countries, adding to its proud 250,000-plus alumni. The University has more than 6,600 academic and professional staff (full-time equivalent) and a $1.75 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 support for its activities and this will be a strategic focus going forward.

**Organisational Environment**

UQ Physics is located in the School of Mathematics and Physics in the Faculty of Science. The Discipline is internationally recognised for its research excellence, and hosts a number of world-class research centres. Details of the research interests of academic staff may be accessed on the School's web site at [http://www.smp.uq.edu.au/](http://www.smp.uq.edu.au/)

Information about the Faculty of Science may be found at [http://www.science.uq.edu.au/](http://www.science.uq.edu.au/).

Astrophysics is one of the University of Queensland’s research strengths, receiving the top rating of “well-above international standard” in the category 0201 Astronomical and Space Sciences in the most recent Excellence in Research for Australia 2019 assessment. Astrophysics is hosted within the similarly top-rated School of Mathematics and Physics, which also has strengths in quantum physics, condensed matter physics, biophotonics, and laser science.

The School of Mathematics and Physics has a total of 110 full-time academic staff members, and 21 professional staff who provide professional, technical and administrative support. The School teaches a comprehensive undergraduate program in physics, as well as performing service teaching for students of engineering and the life sciences. There is also an extensive postgraduate research program, which currently has more than one hundred Research Higher Degree students enrolled.

**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](http://www.uq.edu.au/current-staff/working-at-uq)

The University of Queensland [Enterprise Agreement](http://www.uq.edu.au/current-staff/working-at-uq) outlines the position classification standards for Levels A to E.

**DUTY STATEMENT**

**Primary Purpose of Position**

We are seeking to appoint an outstanding astrophysicist to a five-year research and teaching position at the University of Queensland, who will enhance and expand upon our existing research strengths.

The appointee will have a demonstrated record of performing innovative, international quality research. Applicants with an excellent track record in any area of astrophysics are encouraged to apply. It is desirable that the research program of the successful candidate should expand the research profile of the School in new and exciting directions, while
forming synergistic collaborations with one or more of the existing research strengths in UQ astrophysics.

The successful candidate will develop their own independent research program, participate in teaching and postgraduate supervision, as well as perform service and other activities associated with the School and the discipline of Physics.

This is a fixed term appointment at Academic level B. The remuneration package will be in the range A$93,985 - A$111,607 p.a., plus employer superannuation contributions of 17% (total package will be in the range A$109,962 - A$130,580 p.a.).

Duties

Duties and responsibilities include, but are not limited to:

**Teaching and Learning**

- Teach and coordinate undergraduate and postgraduate subjects in physics and related programs as required.
- Improve existing course material, and develop new course material.
- Teach and supervise at honours and postgraduate level.
- Where appropriate, teach subjects in flexible delivery mode.
- Consult with students.
- Provide support for other positions during absences.

**Research**

- Build an independent astrophysics research program.
- Secure research funding by applying for national and international grant schemes.
- Conduct research and publish scholarly papers.
- Develop and manage internal, national and international collaborations.
- Work with colleagues and postgraduates in the development of joint research projects.
- Build their profile and collaborations within the collegial environment of the wider Australian astrophysics community.

**Service and Engagement**

- Perform a range of administrative functions in the School.
- Contribute to the processes that enable the academic team to manage the work of the School, including participate in School decision-making and serve on School committees.
- Foster the School’s relations with 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 of School of Mathematics and Physics.

**SELECTION CRITERIA**

- A PhD (or equivalent) in astrophysics or a related area.
- Demonstrated knowledge and skills in Astrophysics with the ability to develop outstanding teaching skills at undergraduate and postgraduate levels.
- A demonstrated record of international quality research in Astrophysics with high quality publication track record.
- The ability to develop and attract competitive external grants or other research funding.
- Ability to work collaboratively with colleagues.

**Research statement**

The application should include a brief outline of the research program you plan to implement at the University of Queensland, written in a way that is accessible to non-specialists.

**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](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**