

<b>Position Title</b>	Research Fellow
<b>Group/Portfolio</b>	Griffith Sciences / Centre for Quantum Dynamics
<b>Classification</b>	Research Fellow, Grade 1 (RF1) / Research Fellow, Grade 2 (RF2)
<b>Position Number</b>	00061830
<b>Reports To</b>	Director, Centre for Quantum Dynamics
<b>Employment Type</b>	Fixed Term

## 1.0 Position Purpose

The Research Fellow will conduct theoretical quantum optics / circuit QED research within the Centre for Quantum Dynamics to support the Discovery Project “Heisenberg-limited lasers: building the revolution” funded by the Australian Research Council. The theory part of the project is led by Prof. Howard Wiseman (Director of CQD) in collaboration with Assoc. Prof. Dominic Berry (Macquarie University), and supports an experimental circuit QED effort in France in collaboration with Dr Benjamin Huard and Dr Audrey Bienfait (ENS-Lyon) and Dr Mazyar Mirrahimi (INRIA).

## 2.0 Eligibility Requirements

- The occupant of this position will hold a PhD or equivalent qualifications/work experience in a relevant field

## 3.0 Key Responsibilities

- Play a leading role in meeting the research objectives of the Discovery Project “Heisenberg-limited lasers: building the revolution”.
- Develop a good publication record (Grade 1) or maintain a good publication record (Grade 2) in high impact, international, esteemed peer-reviewed journals.
- Manage the preparation and formulation of publications, presentations and research reports arising from the research.
- Play a leading role in mentoring and supervision of higher degree research candidates.
- Support the outreach activities, and vibrant collaborative academic environment, of the Centre for Quantum Dynamics.
- Support compliance with relevant legislation and University policies and procedures, including research ethics, equity and health & safety, laboratory standards and exhibit good practice in relation to same.
- Be a leading example of the principles and values embodied in the University's Code of Conduct, and behave, act and communicate at all times to reflect fairness, ethics and professionalism.

#### 4.0 Key Capabilities

- Griffith University identifies the attributes of resilience, flexibility, creativity, digital literacy and entrepreneurship as critical to our graduates' success, in the rapidly changing future world of work. We have established a Griffith University Capability Development Framework to provide a common language of some of the non-technical organisation skills that will support our staff to thrive now and into the future. The Capability Development Framework will assist you to understand the current skill level of this position in the non-technical but critical skill domains that are increasingly important in a changing workplace context.

To read about some of the non-technical organisation skills for this position, please see the Leads Others section of our [Capability Development Framework](#).