



## Two scholarships to support postgraduate research in the field of quantum optics

Two PhD positions have been established to provide financial assistance to two PhD students who are undertaking research in School of Physics in the Faculty of Science.

The focus of the research will be on the quantum optics of many-body systems. The project will aim to improve the understanding of these systems and use them to generate new states of quantum light.

The scholarships are funded in part by an Australian Research Council Future Fellowship grant for the Project: Emergent many-body phenomena in engineered quantum optical systems.

**Two scholarships available.**

**Close Date: 15th October 2021**

### Terms & Conditions

[sydney.edu.au/scholarships](https://sydney.edu.au/scholarships)

### ELIGIBILITY

You must:

- be a domestic student
- have an unconditional offer of admission or be enrolled in a full-time PhD at the Faculty of Science
- be willing to research into quantum optics of many-body systems with the aim to improve the understanding of these systems and use them to generate new states of quantum light
- hold an honours degree (first class or second class upper) or a master's degree in a related field with a substantial research component
- desired experience in completing a quantum physics research project and experience in coding (e.g. Python).

Value	Eligibility
\$35,000 p.a (up to 3.5 years)	<ul style="list-style-type: none"> <li>- Domestic student</li> <li>- PhD with the School of Physics</li> <li>- Research into quantum optics</li> </ul>

### For more information:

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## Postgraduate Research Scholarship in Quantum Optics Theory



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SYDNEY