

UQ Winter Research Project Description - 2026

Please use this template to create a description of each research project, eligibility requirements and expected deliverables. Project details can then be uploaded to each faculty, school, institute, and centre webpage prior to the launch of the program.

Project title:	Attraction and suppression of attention: Unravelling the Intricacies of Visual Capture
Hours of engagement & delivery mode	<p>For the Summer program, students will be engaged for 6 weeks only. For the Winter program, students will be engaged for 4 weeks only.</p> <p>Hours of engagement must be between 20 – 36 hrs per week and must fall within the official program dates (Summer = 29 June – 24 July 2026).</p> <p>Please outline if the project will be offered on-site, remotely or through a hybrid arrangement. <i>(in person/online/hybrid, St Lucia/Gatton/Herston)</i></p> <p>The project is offered mainly on-site; online meetings can be available upon request. Hours of engagement would be approximately 25-30 hrs per week.</p>
Description:	<p>Please insert a project description to give applicants a comprehensive overview of the project.</p> <p>The aim of this experiment is to study attention and visual perception through behavioural responses and brain electrical activity (EEG). We will recruit patients with clinically diagnosed ADHD and the general population. Through the same series of computer-based tasks, we hope to untangle neuromarkers (i.e., Event-Related Potentials/ERPs) related to attentional attraction and suppression, as well as identify biomarkers that differentiate ADHD from general brains. The findings will comprehend the relevant literature and shed light on more advanced diagnosis and intervention for ADHD.</p>
Expected learning outcomes and deliverables:	<p>Please highlight what applicants can expect to gain/learn from participating in the project, and what they will be expected to complete as a part of the project.</p> <p>Scholars are expected to be primarily involved in the literature review and data collection (e.g., EEG recording); they may also assist with data analysis or participate in manuscript preparation for publication in scientific journals. They will therefore gain all the relevant skills and experiences. Students may also be asked to produce a report or oral presentation at the end of their project.</p>

Suitable for:	<p>Please highlight any particular qualities that individual supervisors are looking for in applicants to assist with the selection process.</p> <p>The project is most suitable for students who have completed at least 2nd year neuroscience courses (i.e., NEUR2020), and are interested in neuroscience, especially neuroimaging techniques such as EEG.</p>
Primary Supervisor:	<p>Dr Zhou Yu (Linda) Linda.yu@uq.edu.au</p>
Further info:	<p>If you would like applicants to contact your unit for further information, please provide the relevant contact details here.</p> <p>**Please highlight if the supervisor wishes to be contacted by students prior to submitting an application.</p>