**2020 Summer Winter Research Project Description**

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| **Project title:** | **The role of brain oscillations in visual perception** |
| **Positions available:** | **1** |
| **Project duration and delivery** | Please outline the length of the project.     * *28 hours per week* * *10 weeks* * *on-site attendance is required* |
| **Description:** | *Brain activity contains regular rhythmic components termed ‘neural oscillations’. Neural oscillations are involved in organising communication between brain areas, and have been associated with a wide range of cognitive phenomena, e.g., working memory, attention, etc. The aim of this project is to look at how neural oscillations, measured with EEG, relate to visual perception and perceptual capacity.* |
| **Expected outcomes and deliverables:** | *Scholars will gain experience working in a cognitive neuroscience lab. The scholar will also gain experience collecting behavioural and neural data (EEG) from human participants. Scholars will be expected to present their work in a lab-meeting format at the end of the 10 weeks.* |
| **Suitable for:** | *This project would most suit a student with a background in experimental psychology, neuroscience or biomedical science, with an interest in cognition and cognitive neuroscience.* |
| **Primary Supervisor:** | *This project is jointly supervised by Professor Jason Mattingley and Dr Anthony Harris.* |
| **Further info:** | *Please direct any questions about the project to either Professor Jason Mattingley (*[*j.mattingley@uq.edu.au*](mailto:j.mattingley@uq.edu.au)*) or Dr Anthony Harris (*[*anth.m.harris@gmail.com*](mailto:anth.m.harris@gmail.com)*).* |
| **Will you be collaborating with an external organisation on this project (for example NGO, government agency or private industry)?** | *N/A* |