**2020 Summer Winter Research Project Description**

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| **Project title:** | **The neural correlates of rapid perceptual decision making** |
| **Positions available:** | **2** |
| **Project duration and delivery** | 10 weeks |
| **Description:** | The human visual system is capable of transforming complex visual input into a meaningful scene within a fraction of a second. Responding to our visual environment, however, involves relatively slower processes that are involved in programming and executing motor commands. This project will investigate whether various neural measures, such as responses measured via electroencephalography (EEG), have sufficient resolution to increase the rate at which humans can make perceptual decisions. |
| **Expected outcomes and deliverables:** | Students will be trained in basic EEG methods and participant recruitment. EEG is a non-invasive way to measure electrical activity in the brain. Students will give a presentation of the project to the lab group. |
| **Suitable for:** | This project is suitable for students with a background in undergraduate Psychology courses at UQ, particularly those at the end of their second or third year. |
| **Primary Supervisor:** | Dr William Harrison and Dr Reuben Rideaux |
| **Further info:** | Research will be conducted at the Queensland Brain Institute, pending appropriate induction and training to access facilities.  Please contact Will Harrison prior to applying: w.harrison@uq.edu.au |