**UQ Summer Research Project Description**

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| **Project title:** | **Electrophysiological investigations of visual awareness** |
| **Project duration,**  **hours of**  **engagement &**  **delivery mode** | **Two positions are available**   * *Presence: 20 hours/week* * *Duration: 6 weeks* * *On-site attendance is required for this research project*   *On-site attendance is required for the study. The project will be interrupted if COVID restrictions arise.* |
| **Description:** | *The project for this summer is to explore how the brain responds to threat both when it is expecting it, and when it isn’t.*  *We will be measuring brain activity using electrodes placed on the surface of the scalp of participants while they explore the visual field in search of a threat. The threat will be either an angry face or a biologically-relevant stimulus (e.g., spiders) and they will be either expected or unexpected (high or low probability of appearance).* |
| **Expected outcomes and deliverables:** | S*tudents will gain experience in setting up electrophysiological experimentation and carrying out data recordings using EEG techniques and/or eye-tracking measures.*  *They will be asked to participate in lab meetings and may be asked to present their experiment.* |
| **Suitable for:** | T*his project is open to applications from students interested in physiological psychology and cognitive neuroscience. Students who have completed their BSc would benefit most from the position. Finally, one of the two positions would be appropriate for a student interested in pursuing Honours.* |
| **Primary Supervisor:** | Associate Professor Alan Pegna. |
| **Further info:** | Please contact me at [a.pegna@uq.edu.au](mailto:a.pegna@uq.edu.au) for further information and prior to submitting an application. |