

Neurophysiology PhD scholarship in Australia

Griffith University offers 3-year scholarships for aspiring researchers who wish to undertake a PhD. The University is located on the Gold Coast in Queensland, Australia, where scholarships cover a range of costs such as tuition fees, living allowances, health insurance, and relocation costs. Scholarships are open to domestic or international students who have completed a bachelor's degree with first class Honours or a Master's degree.

The Neural Control of Movement laboratory is seeking applicants for 2019 PhD scholarships. The laboratory is affiliated with the Menzies Health Institute Queensland, which has a strong foundation in neurophysiology and pharmacology. The PhD project will examine how cholinergic pathways contribute to muscle activation in humans, and identify how medications with anticholinergic properties compromise the ability to control movement. Safety data from our laboratory has been used to inform medicines scheduling by the Australian Department of Health, and it is expected that the PhD candidate will contribute to both mechanistic and translational studies. Overall, the PhD candidate will have unrestricted access to:

- MagStim (BiStim) Transcranial Magnetic Stimulators, and Digitimer constant current peripheral nerve stimulators
- Neurolog systems for surface or intramuscular EMG acquisition, and EMG systems for the extraction of motor unit data from surface EMG
- a Cadwell Sierra Summit unit for evoked potential and nerve conduction studies
- phlebotomists and pharmacologists for drug-based studies, and dedicated technical staff to build custom-designed equipment for experiments

There are also opportunities for paid tutoring work in undergraduate Neuroscience classes for applicants who wish to gain additional income or expand their skills into teaching.

The university scholarships round ends on Tuesday 2nd October Australian time. For further information, or expressions of interest, please contact Associate Professor Justin Kavanagh (j.kavanagh@griffith.edu.au). Information for potential applicants is also available via Griffith University's scholarship web page (www.griffith.edu.au/research-study/scholarships). For further information on Griffith University health research visit the MHIQ website (www.griffith.edu.au/menzies-health-institute-queensland).

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