

PhD Scholarship Opportunity in Sleep and Circadian Medicine

Faculty: Faculty of Medicine, Nursing and Health Sciences

Location: Clayton campus

Supervisor: Clare Anderson, Monash Institute of Cognitive and Clinical Neuroscience, Monash University.

Duration: 3 years

Remuneration: \$25,392 per annum full-time rate (tax free stipend)

The Opportunity

The **Anderson Lab** (<http://www.med.monash.edu.au/psych/research/groups/anderson.html>) is seeking up to two enthusiastic doctoral students to be part of a large multi-disciplinary team examining the anatomy of a fatigue-related motor vehicle crash. The project is funded as part of an ARC Linkage grant which brings together academic excellence with cutting edge technologies and industry partnerships.

The project: Fatigue-related motor vehicle crashes represent the second largest cause of motor vehicle crash in Australia and worldwide. Despite the breadth of human behaviours affected by fatigue, the majority of studies examining driver fatigue focus on the end state of falling asleep. This project brings together a team of specialists in sleep and circadian medicine, human factors and driver fatigue to unpack the factors that culminate in a near-crash or crash event when driving fatigued. The successful candidate(s) will examine multiple data streams including brain activity, attention allocation/engagement, ocular indices of alertness and others to identify the physiological and behavioural precursors to fatigue-related crash or near-crash event in a real-driving scenario.

Industry-based training: The PhD opportunity will be focussed on the new Industry stream PhD being offered within the Graduate Education and Industry Centre (See <http://www.monash.edu/neuro-institute/doctoral-training> for further information) in the Monash Institute for Cognitive and Clinical Neuroscience. This project strengthens a current strategic alliance between Monash University, the Institute for Breathing and Sleep, and leading biotechnology company, Seeing Machines. Seeing Machines supplies the global automotive industry with a class-leading Driver Monitoring Systems for fatigue. You will have the opportunity to work with scientists within Seeing Machines, including an industry placement, to ensure maximal exposure and training in the industry sector.

Candidate Requirements

- Meet Monash University's minimum [English language proficiency requirements](#) for entry into a higher degree by research program
- A H1 (first class) or H1 equivalent honours degree and/or Master's Degree in Psychological Sciences or a related discipline (**2016 graduates with an expected H1 grade are eligible to apply**)
- Applicants should have strong communication (both oral and written) skills
- The scholarship is open to Australian and New Zealand citizens or permanent residents only and is funded at the rate of the Australian Postgraduate award.

Note: Applicants who already hold a PhD will not be considered

Details of eligibility requirements to undertake the PhD are available at <http://www.monash.edu.au/migr/research-degrees/>

Remuneration

We offer a scholarship to the value of \$25,392 per annum full-time rate (tax-free stipend).

Applications

To apply, please ensure you include with your application:

- a cover letter including a brief outline (1 page) detailing your interest in, and suitability for, the project;
- a detailed *curriculum vitae* including academic transcript(s) and a list of any published works (if applicable);
- names and contact details of 2 academic referees.

For more details about the project please contact:

Clare Anderson

Monash Institute of Cognitive and Clinical Neuroscience, School of Psychological Sciences
18 Innovation Walk (Building 17), Monash University, Clayton campus, Victoria 3800

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Closing Date

30th September, 2016.