



Coláiste na Tríonóide, Baile Átha Cliath Trinity College Dublin

Ollscoil Átha Cliath | The University of Dublin

PhD position in Cognitive Neuroscience

School of Psychology and Trinity College Institute of Neuroscience, Ireland

Applications are invited for a PhD at Trinity College Institute of Neuroscience (TCIN) to work in Dr Paul Dockree's lab from September 2018, funded by an Irish Research Council Laureate Award. The research will address novel questions within cognitive neuropsychology and the neuroscience of attention. Our capability to sustain attention is essential for error-free human performance and provides a vital gateway to the working efficiency of all other higher-cognitive mechanisms. This project will provide an exciting opportunity to investigate the time-scale over which sustained attention and its neural signatures evolve and will employ lesion-based and electrophysiological approaches to investigate how changes to cortical or subcortical networks influence sustained attention.

The lab has experience investigating changes in functioning caused by brain injury and also a strong clinical interest in developing rehabilitation techniques and interventions to improve patient recovery from cognitive disabilities. Candidates with an interest in investigating cognitive mechanisms using neuropsychological, electrophysiological and MRI lesion mapping approaches are encouraged to apply.

Methods available to researchers in the lab include EEG, MRI, eye-tracking, pupillometry and non-invasive electrical brain stimulation. We conduct research with neurologically healthy adults and patients from clinical populations including stroke and traumatic brain injury.

Applicants should have a BA/BSc in Psychology, Neuroscience, Computer Science or a related field. The PhD student will carry out an original body of research as part of the requirements for the PhD in Psychology at Trinity College. The student is expected to have self-initiative, high motivation for research and to actively collaborate with other members of the lab.

Knowledge & Experience

- Experience in quantitative data analysis (essential)
- Experience conducting research with human subjects (essential)
- Excellent English writing (essential)
- MA/MSc in Psychology, Neuroscience, Computer Science or a related field (desired)

Skills & Competencies

- Computer programming (e.g. Matlab) (highly desired)
- EEG analysis (desired)
- Clinical research skills (desired)
- Experimental Design (essential)

Scoil na Siceolaíochta

Dámh na nEolaíochtaí Sóisialta agus Daonna,
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School of Psychology

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Further Information for Candidates

Applicants should first email to dockreep@tcd.ie a cover letter stating why they are interested in the post along with their CV and the contact details of 2 references. If invited, applicants will then be asked to submit their academic transcripts. Applications will be accepted until the position is filled

Funding Information

This post is supported by IRC Laureate Consolidator grant awarded to Dr Paul Dockree. Annual stipend of €16,000 and full fees coverage (EU or non-EU)

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