



Three Research Positions in Cognitive Neuroscience (Postdoc, PhD & RA)

School of Psychology and Trinity College Institute of Neuroscience, Ireland

Applications are invited for research positions 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.

1) Postdoctoral Position in Cognitive Neuroscience

Applicants should have a PhD in Psychology, Cognitive Neuroscience, Neurology or related discipline. The Research Fellow will be responsible for analyzing structural MRI and EEG data from brain injury patients, writing and submitting manuscripts contributing to key theory development in cognitive neuropsychology and neuroscience, and presenting research at international conferences.

Knowledge & Experience

- Experience in quantitative data analysis (essential)
- Experience conducting research with human participants (highly desirable)
- Track record of high standard publications (essential)
- Experience with MRI Lesion-symptom mapping (highly desirable)

Skills & Competencies

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

Scoil na Siceolaíochta

Dámh na nEolaíochtaí Sóisialta agus Daonna,
Áras an Phiarsaigh,
Coláiste na Tríonóide,
Baile Átha Cliath,
Ollscoil Átha Cliath,
Baile Átha Cliath 2, Éire.

School of Psychology

Faculty of Arts, Humanities and Social Sciences,
Trinity College Dublin,
The University of Dublin,
Dublin 2, Ireland.

+353 1 896 1886
psychology@tcd.ie
www.tcd.ie/psychology



Coláiste na Tríonóide, Baile Átha Cliath Trinity College Dublin

Ollscoil Átha Cliath | The University of Dublin

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 3 references. If invited, applicants will then be asked to submit their academic transcripts. Applications will be accepted until the position is filled; the first review of applications will be in mid-July 2018.

Funding and salary Information

This post is supported by IRC Laureate Consolidator grant awarded to Dr Paul Dockree. Appointment will be made in line with Government Pay Policy (Salary: €36,854 – €39,138).

2) PhD Scholarship in Cognitive Neuroscience

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)

Further Information for Candidates

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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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3) Research Assistant in Cognitive Neuroscience

Applicants should have a BA/BSc at the time of commencing employment. The research assistant's role will be to recruit patients from local hospitals, arrange MRI scanning and EEG sessions. They will maintain accurate and protected records of patients' data and engage with daily tasks to ensure efficient running of the research team.

The post holder will gain valuable experience across a range of techniques including 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.

Knowledge & Experience

- Experience conducting research with human participants (highly desirable)
- Be able to demonstrate excellent organization (essential)
- Show a good working knowledge of common computer software (essential)

Skills & Competencies

- Excellent communication skills (essential)
- Respectful and sensitive to patients and their family members (essential)
- Clinical skills (highly desired)
- Reliable and dependable (essential)
- Efficient time management (essential)

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; the first review of applications will be in mid-July 2018.

Funding Information

This post is supported by IRC Laureate Consolidator grant awarded to Dr Paul Dockree. Appointment will be made in line with Government Pay Policy (Salary: €21,674 – €23,630).

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