Applications are invited for a PhD studentship in cognitive neuroscience to be held in Trinity College Dublin Institute of Neuroscience and School of Psychology. This is funded under the EU Marie Curie Initial Training Network ‘INDIREA’ which is co-ordinated by Prof Glyn Humphries of University of Oxford.

This project, to be run in collaboration with a range of European partners, involves the development of a new and fully integrated approach to understanding and rehabilitating attentional disorders in human volunteers and patients – going from the measurement and modelling of basic brain processes through to the creation of linked, clinically applicable, neuropsychological assessments and attentional training.

The studentship will focus on dissociating components of attention using novel paradigms combined with EEG/ERP investigations. Protocols employing non-invasive brain stimulation and biofeedback will be used in an attempt to enhance different facets of attention in elderly people with memory difficulties.

Candidates should ideally have undergraduate or Master’s-level experience with cognitive neuroscience. They should have experience with human EEG/ERP testing, data analysis, preferably including Matlab skills.

Candidates should also have excellent statistical and presentation skills and should not have been resident in the Republic of Ireland for more than one out of three of the previous three years.

Trinity College Institute of Neuroscience (www.tcd.ie/neuroscience) is Ireland’s only dedicated neuroscience institute, with over 220 staff and students, 40 Principal Investigators and world class brain imaging (3T and small bore 7T research only MRI, with scan-compatible eye-tracking and pupillometry), EEG/ERP (multiple rigs), and Non-invasive Brain Stimulation (TMS, TDCS, TACS).

Its NIEL (www.tcd.ie/neuroscience/neil) programme on aging includes a Memory Research Unit with over one thousand volunteers and which will provide the participants for the current study.
The positions are tenable from **March 2014**.

For further information contact Professor Ian Robertson email [iroberts@tcd.ie](mailto:iroberts@tcd.ie) or Professor Paul Dockree, email [dockreep@tcd.ie](mailto:dockreep@tcd.ie)

The closing date for applications is **December 15th 2013**

Recent publications from the TCIN cognitive neuroscience group include the following:


