Research Fellow Position

The Centre for Lifelong Learning and Individualised Cognition (CLIC), funded by the National Research Foundation (NRF) in Singapore and coordinated through the Cambridge Centre for Advanced Research and Education in Singapore (CARES), is a collaboration between Nanyang Technological University (NTU) and the University of Cambridge. CLIC is a flagship programme in the Science of Learning to harness advancements in neuroscience to develop cognitive training programmes for the improvement of lifelong flexible learning, focusing initially on adolescents and young adults, but also envisaging work with infants and older adults. This is a strategic global initiative for the Universities of Cambridge and NTU that brings together multidisciplinary expertise from over 30 investigators in the areas of Neuroscience, Psychology, Linguistics and Education across the two universities.

Nanyang Technological University is a research intensive university currently ranked 13th globally and placed 1st amongst the world’s best young universities. The University has Colleges of Engineering, Business, Science, Humanities, Arts, & Social Sciences, and an Interdisciplinary Graduate School. Further, the new Lee Kong Chian School of Medicine benefits from a dual campus located at Novena, in close proximity to the Singapore city centre. The Cognitive Neuroimaging Centre (CoNiC) houses state-of-the-art neuroimaging facilities including a newly installed 3T MRI scanner and MEG, as well as new EEG, NIRS, TMS and tDCS equipment.

The first phase of the CLIC program will initially be housed at Nanyang Technological University, Singapore. As the programme progresses, other sites will be developed to meet the needs of the experimental programme. The new CLIC research centre will provide a vibrant, fast-paced, international and interdisciplinary environment with excellent opportunities for skills development and knowledge exchange between partner Principal Investigator labs in Singapore and Cambridge.

The Principal Investigators involved in the first phase of the research programme include:

From Cambridge: Director Professor Zoe Kourtzi (Psychology), Senior Scientific Advisor Professor Trevor Robbins (Psychology), Deputy Directors Professor Henriette Hendriks (Linguistics), Professor Anna Vignoles (Education), and Imaging Lead - Professor John Suckling (Psychiatry); supported by co-Investigators Prof Barbara Sahakian (Psychiatry) and Dr Michelle Ellefson (Education).

From NTU: Director Professor Annabel Chen (Psychology), Deputy Director Asst Prof Victoria Leong (Psychology), Imaging Lead - Professor Balázs Gulyas (LKCMedicine), and Principal Investigators Professor David Hung (NIE), Asst Prof Bobby Cheon (Psychology) and Assoc Prof Georgios Christopoulos (Nanyang Business School); supported by co-Investigator Dr Teo Chew Lee (NIE).

The CLIC program is seeking one full-time Research Fellow to support research activities focusing on social and societal factors that influence cognitive flexibility and learning among adults and adolescents. This project will examine how factors such as social attitudes and relationships, language environment, and cooperative/competitive mindsets contribute to cognitive flexibility and learning. The post-holder will primarily be supervised by Professor Henriette Hendriks and Asst Prof Vicky Leong. You will also interact widely with other members of the academic consortium. Given the highly inter-disciplinary nature of the project, the Research Fellow will likely be involved in research activities related to human neuroimaging, language, infant cognition / learning or pedagogy.
The responsibilities of the position include:
- Oversee participants recruitment
- Develop surveys, cognitive and behavioural tasks, and training programmes
- Conduct analysis of data and summarise research findings
- Conduct literature reviews for publications and research briefings
- Assist with preparing academic publications (e.g., journal, conference, book)
- Contribute to the production of research reports
- Contribute to the dissemination of research findings
- Perform other tasks as required by the Principal Investigators

Essential requirements:
- Doctorate (PhD) degree in experimental psychology, behavioral economics, social psychology, cognitive psychology, neuropsychology, neuroscience (basic, cognitive or computational), organizational behavior, linguistics, education, biopsychology
- Experience with statistical packages, especially R, Matlab and SPSS
- Prior experience in conducting, collecting data for and analysing surveys, psychological testing (computerised), behavioural testing and cognitive experiments
- Experience in preparing academic reports and presentations
- Good statistical knowledge and skills
- Good IT skills (i.e., Microsoft Office®)
- Strong interpersonal, written and verbal communication skills
- Excellent organizational skills and able to work within given deadlines

Preferred requirements:
- Background in factor analytics methods
- Data management experience with REDCap
- Training / research experience in experimental, cognitive, or social psychology, psycholinguistics or behavioral economics
- Prior experience with interdisciplinary research and teams
- Prior experience working with Singaporean organizations / business
- Prior experience with academic publication processes and reports
- Self-directed learner who effectively picks up relevant skills as needed

To apply, please send your Curriculum Vitae, a letter of application with research interests, and three letters of recommendation to CLIC@ntu.edu.sg. Please indicate the reference number of this position: CLIC_RF5 in all application documents and correspondence. For informal discussion about the post, please contact Professor Henriette Hendriks (hpjmh2@cam.ac.uk).

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