



Centre for
Lifelong learning and
Individualised
Cognition

Enhanced lifelong learning, creativity and wellbeing

Centre for Lifelong Learning and Individualised Cognition (CLIC)



Programme Leaders



Prof. Annabel Chen
Nanyang Technological
University

Prof Annabel Chen is a Principal Investigator and Co-director of CLIC. Her main research interests are to investigate underlying neural substrates involved in higher cognition in the cerebellum, as well as changes in cognitive processes in healthy, aging, and dementia patients through neuroimaging techniques.



Prof. Zoe Kourtzi
University of Cambridge

Prof Zoe Kourtzi is a Principal Investigator and Co-director of CLIC as well as a Professor of Computational Cognitive Neuroscience at the University of Cambridge. Her research aims to develop predictive models of neurodegenerative disease and mental health with translational impact in early diagnosis and personalised interventions.

CLIC started in October 2020 and is the second programme for the Cambridge Centre for Advanced Research and Education in Singapore Ltd (CARES). Funded by the National Research Foundation (NRF) under its Campus for Research Excellence and Technological Enterprise (CREATE) programme, this is a collaboration between the University of Cambridge and Nanyang Technological University.

Research

CLIC aims to address the gap in evidence-based training programmes that can effectively support cognitive flexibility across the life course. This is recognising the rapidly changing settings of the digital age and the need for flexible behaviour and transferable skills in the workforce. Three life stages will be studied – early years, adolescence and middle age – when flexible behaviour is critical for coping with changing circumstances.

The Four Workgroups are:

- Social and Cognition Workgroups
- Social Workgroup
- School Workgroup
- Neuroimaging Workgroup

Researchers

There are currently a total of 47 researchers in CLIC, including Co-Principal Investigators (Co-PIs), Post-docs, Research Associates/Technicians, and PhD students working at the University of Cambridge and Nanyang Technological University. Leading the research teams are a total of ten Principal Investigators (PIs), five of which hold appointments at Cambridge, and five at NTU. All PIs are well-known experts in their fields.

Highlights

Developed a Remote Guided Method for Online Cognitive Testing

Despite delays to the project as a result of the Covid-19 pandemic, the research team has progressed steadily with online data collection, for which the team has authored a remote guided method for online cognitive testing: A New Remote Guided Method for Supervised Web-Based Cognitive Testing to Ensure High-Quality Data: Development and Usability Study. *J Med Internet Res.*, 2022, 24(1), e28368.

Delivering Professional Development Workshops to Singaporean Teachers

The School Workgroup held a professional development workshop with teachers on the Cognitive and Psychological Aspects of Learning. The workshop focused on cognitive flexibility, executive function skills, and how it affects learning, allowing teachers to better understand their real-world experience through exposure to psychology.

The School Workgroup **has** also been working hard on data collection with local secondary school students and will be producing a best practice manuscript on mass data collection in schools.

Recent Publications, Awards and Events

- Prof Trevor Robbins was awarded the William James Fellow in 2022. This is the highest award from the Association for Psychological Science (APS). Prof Barbara Sahakian was awarded the 2021 Lifetime Achievement Award by the British Association for Psychopharmacology. Together with Prof Robbins, they were both listed as the Top 100 Neuroscientists in the World by Research.com.
- The team have currently published four papers all in the top 10% of journals for their respective fields.

For more information about the CLIC programme, please email: CLIC@ntu.edu.sg or visit: www.cares.cam.ac.uk

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