

Grant Scholarship PhD Student Recruitment

We are looking for a motivated and talented scholar to pursue a **PhD in Psychology (Developmental Cognitive Neuroscience)**.

The individuals will work within the Agency for Science, Technology and Research (A*STAR) “**A Sociometric AI Screening Tool to Risk-Stratify Infant Neurodevelopmental Trajectories (STARS)**” grant awarded to PI Associate Professor Victoria Leong at Nanyang Technological University (NTU), Singapore (<https://blogs.ntu.edu.sg/baby-linc/>). This project aims to develop a novel, scalable screening tool to assess infant mental wellbeing and psychosocial health from 6 months of age, and map translational pathways for clinical deployment and policy implementation in Singapore. STARS will collect and analyse longitudinal parent-infant “neural sociometric” data (0-3 yrs), combining innovations in two-person brain imaging (dyadic-EEG) with powerful AI machine-learning methods to risk-stratify early neurodevelopmental trajectories, with reference to cognitive and executive function outcomes.

The successful candidate will conduct cutting-edge social neuroscience research with infants and parents (involving dyadic-EEG acquisition and analysis), including children with (or at risk for) Autism Spectrum Disorder (ASD), Attention Deficit and Hyperactivity Disorder (ADHD) or infants born prematurely. Furthermore, the candidate will be employed as a full-time research staff while pursuing the PhD.

Pre-requisites:

- A 1st or 2nd Class Upper Honours Bachelors or Masters degree in Neuroscience, Psychology, Biomedical Engineering or a related field
- Experience in EEG acquisition and analysis (preferred)
- Skills in computational programming (preferred)
- Experience in conducting psychological research with children (desirable)
- Excellent written and spoken command of English (IELTS: 7)
- Excellent project management and organisational skills
- Excellent social and teamwork skills

Location of the programme:

The candidate will be part of a vibrant pool of graduate students in the Psychology programme at NTU's School of Social Sciences. Click [here](#) for more details. Located in the heart of South-East Asia, Singapore is an ultra-modern city-state offering impeccable infrastructure, superb food, and celebrated multiculturalism. The climate is warm year-round. Nanyang Technological University, located at the west of the island, is the fastest-rising university in the world's Top 50 and ranked 12th globally. NTU is also placed 2nd amongst the world's best young universities.

This PhD position is funded full-time from January 2023 (or alternatively August 2023) for a period of four years (fees and stipend included). This position is only opened to Singaporean or PR.

Interested candidates are requested to apply for admission [online](#) and send an email to A/Prof Victoria Leong (victorialeong@ntu.edu.sg) with their CV [Email Subject: **PhD Scholarship Application**]. Application for the January 2023 intake starts from **1 June** and closes on **15 July 2022** while application for the August 2023 intake starts from **1 October** and closes on **15 November 2022**. Click [here](#) for more information on the application process and documents required.

Shortlisted applicants will be invited for interviews and the successful applicant will be expected to enroll in the Psychology PhD programme in January 2023 or August 2023.

Please direct all research related queries pertaining to the research to: victorialeong@ntu.edu.sg

Application and other technical enquiries should be directed to AC-SSS-GE@ntu.edu.sg

School of Social Sciences

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