

Research Fellow (SSHR Digital Learning)
Nanyang Technological University

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Posted Jul. 5, 2024, set to expire May 6, 2025

Job Title	Research Fellow (SSHR Digital Learning)
Department	School of Social Sciences
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Jul. 5, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Faculty Associate
Academic Field(s)	Social Sciences - Other
Job Website	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/job/Research-Fellow--SSHR-Digital-Learning-_R00017703
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Job Description	

The Baby-LINC Singapore Lab (<https://blogs.ntu.edu.sg/baby-linc/>) is looking for a talented Research Fellow to support the leadership of a new research study funded by a Ministry of Education Social Sciences and Humanities Research (SSHR) Fellowship to A/Prof Victoria Leong on ***“The digital future of human learning: Social optimisation of digital media for early learning”***. This project aims to develop socially-intelligent digital technology to support interactive learning in infants and young children, using dyadic-EEG techniques to monitor brain learning states during social interaction

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(see Leong et al, 2017 PNAS; Wass et al, 2020 TICS). The Research Fellow will join a dynamic and friendly international research team which operates in Singapore and in Cambridge (UK), although the data collection for this study will be conducted entirely in Singapore.

Key Responsibilities

- Assist the Principal Investigator (PI) with day-to-day management of the SSHR project, working in close coordination with the other staff and students on the team.
- Lead data collection efforts for the main experimental studies involving over 100 parent-infant dyads.
- Lead data analysis and research publication in one or more of these core domains: dyadic EEG+ECG, eye-tracking, motion tracking, speech analysis, social interaction analysis, digital media programming, computational modelling.
- Provide strong administrative oversight to ensure timely scientific and financial reporting to the funder, compliance with data protection and ethical regulations, etc.
- Provide pro-active and effective trouble-shooting for any problems that arise
- Supervise research students.

Job Requirements

- A PhD in Psychology, Neuroscience, Biomedical Engineering, Medical Sciences or related Technical and Computational fields
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Strong technical and analytical skills, as demonstrated in relevant research publications

- Experience with human psychological data collection and study design
- Experience in project management and research administration is preferred
- Experience in working with children (particularly infants) and families is preferred
- Experience with EEG and other forms of neuroimaging data collection and analysis is preferred
- Experience with computational modelling and advanced statistical analysis is preferred
- Experience with measurement and analysis of human social interactions is preferred
- Experience with digital media programming is preferred
- Efficient, organised and self-motivated with the ability to work to tight deadlines
- A good team player with strong interpersonal and communication skills.

We regret that only shortlisted candidates will be notified.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

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Contact

Singapore