

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	Professional Staff
Academic Field(s)	Research Methods/Data Analysis Psychology - General
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

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young children, using dyadic-EEG techniques to monitor brain learning states during social interaction (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

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A PhD in Psychology, Neuroscience, Biomedical Engineering, Medical Sciences or related Technical and Computational fields

- 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.

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Contact Information

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

Contact

Singapore