

About TUMCREATE

TUMCREATE is a multidisciplinary research platform of the Technical University of Munich (TUM) at the Singapore Campus for Research Excellence and Technological Enterprise (CREATE). We are joining forces with universities, public agencies, and industry for the advancement of future technologies.

Please visit www.tum-create.edu.sg for more information about TUMCREATE.

The LightSPAN Project, funded by the National Research Foundation of Singapore, will investigate how we can optimize light exposure to support health and well-being across the lifespan, with a specific focus on optimising light exposure in seniors.

Please visit www.lightspan.org for more information about the LightSPAN project.

Job Title/Position: Research Associate/PhD Student (36 months)

Job Purpose/Objective of the Position:

As a Research Associate/PhD student in the LightSPAN Project, you will have the opportunity to apply your expertise and contribute to cutting-edge research in the field of optimising light exposure for senior citizens. Your work will play a key role in advancing our understanding of how light impacts the well-being of seniors, ultimately contributing to the improvement of their quality of life. Within this position, you will be able to work towards a PhD degree from the Technical University of Munich (TUM School of Medicine & Health) and write an independent PhD thesis on studies that you will conduct as part of the project.

The LightSPAN project is a collaborative project led by [Prof. Dr. Manuel Spitschan](#) (TUMCREATE/TUM) and [Asst. Prof. Raymond Najjar](#) (NUS). The focus of the work performed as part of this position is a clinical trial investigating the use of cutting-edge behavioural digital-health interventions to promote healthy light exposure in ageing. We offer an interesting, exciting, and inclusive research environment with many international links and career development and further training opportunities.

Job Responsibilities:

- Collect physiological, behavioural and cognitive performance data in elderly human participants
- Perform data analysis
- Prepare research reports, scientific papers, and presentations for conferences and publications
- Work closely with the interdisciplinary LightSPAN team

Job Requirements/Competencies:

- Master's degree in a relevant discipline, including psychology, neuroscience, biology, biomedical science, health sciences, gerontology or related disciplines
- Experience (minimum 12 months) in conducting research studies, including study design, data collection, and analysis
- Strong analytical and statistical skills
- Excellent communication and presentation abilities
- Highly motivated, detail-oriented, and capable of working independently

What TUM CREATE offers you

- Competitive salary that commensurate with experience
- Medical insurance
- Good amount of leave/vacation days
- Vibrant, modern and positive working environment in Singapore
- Campus-sited office location with a host of facilities
- In-building perks including gym, game room and coffee room

Applications

Please send the following documents via email to TUMCREATE (hr@tum-create.edu.sg) with reference "LightSPAN-2023-001":

- **Cover letter describing your education and scientific activities, as well as your strengths.** Please also describe how you meet the requirements (or could at the start of the position), and what interests you in the position.
- **Curriculum vitae** (max. two pages) including publication list (if applicable) and linked ORCID and/or Google Scholar profile.
- **Contact information of two referees.**

Only shortlisted candidates will be contacted.

We look forward to your application.