



The [Translational Sensory & Circadian Neuroscience Unit](#) (PI: Prof. Dr. Manuel Spitschan) at the Technical University of Munich (Munich, Germany), the Max Planck Institute for Biological Cybernetics (Tübingen, Germany) and TUMCREATE (Singapore) is offering the following BSc/MSc thesis projects or lab rotations:

Project ID	Level	Location	Research topic	Suitable disciplines
MPI-S2024-B001	BSc	Tübingen	Automatic validation of multi-modal data set integrity	Bioinformatics, medical informatics, computer science
MPI-S2024-M001	MSc	Tübingen	The acute effects of food intake on body temperature and thermoregulation	Neuroscience, cognitive science, psychology, bioinformatics, data science
MPI-S2024-M002	MSc	Tübingen	Circadian changes in human ocular physiology	Neuroscience, medicine, experimental psychology
MPI-S2024-M003	MSc	Tübingen	Spatiotemporal properties of light and their impact on circadian rhythms	Neuroscience, medicine, biology, experimental psychology
MPI-S2024-M004	MSc	Tübingen	Spatial properties of natural scenes across different scenes categories	Computer science, neuroscience, bioinformatics, data science
MPI-S2024-M005	MSc	Tübingen	Spectral sensitivity of the photic sneeze reflex	Experimental psychology, neuroscience, cognitive science
MPI-S2024-M006	MSc	Tübingen	The relationship between perimetry-derived visual field borders and head shape	Medicine, ophthalmology, vision science, optometry, experimental psychology, neuroscience
TUM-S2024-M001	MSc	Munich	Performance comparison of two activity sensors	Bioinformatics, medical informatics, computer science, data science, experimental psychology
TUM-S2024-M002	MSc	Munich	Impact of metameric light sources on pupil size	Neuroscience, biology, experimental psychology, health sciences
TUM-S2024-M003	MSc	Munich	Usability of different light logger form factors	Health sciences, experimental psychology
TUM-S2024-M004	MSc	Munich	Time-series analysis of light exposure data	Computer science, mathematics, statistics
TUM-S2024-M005	MSc	Munich	Optimisation of a Telegram bot to change light exposure behaviour	Computer science, data science, experimental psychology
TUM-S2024-M006	MSc	Munich	Pilot and feasibility study of temperature loggers for longitudinal human field studies	Computer science, data science, experimental psychology, health sciences, mathematics, medical informatics
TUM-S2024-M007	MSc	Munich	The relationship between daily food and drink intake and sleep quality and architecture	Health sciences, nutritional sciences, health science, psychology
TUM-S2024-M006	BSc	Singapore	Pilot and feasibility study of light exposure optimization	Health science, public health, psychology
TUMCREATE-S2024-B001	MSc	Singapore	Pilot and feasibility study of light exposure optimization	Health science, public health, psychology
—	BSc or MSc	Tübingen, Munich, Singapore	Your proposed research topic	Your discipline

Notes: Some projects might be available as BSc or MSc projects.

How to apply

To apply for a BSc/MSc thesis or lab rotation project in our research group:

- Write a concise cover letter expressing your interest in and motivation to join the project, your timeline (desired start date and duration), and your affiliated institution (TUM, University of Tübingen, or other). If you propose a research topic, include some details on your interests.
- Include curriculum vitae (CV) with relevant research experience and technical skills (including programming ability).
- Submit a PDF with cover letter and CV via email to manuel.spitschan@tum.de with the subject line corresponding to the project ID.