

20 April 2023

Master's thesis project/internship

The interaction of light, caffeine and hormones

We are currently looking for a Master's student to work on an exciting collaborative project at the intersection of circadian biology, psychology, neuroscience, ophthalmology and pharmacology.

Background

Light and caffeine are two major factors that can significantly impact human circadian neuroendocrine physiology. However, despite extensive research on these topics, there are still many open questions regarding the precise mechanisms by which light and caffeine impact the human physiology, as well as the specific dosages and timing required to elicit particular effects.

Objective

In this collaborative project between the **Technical University of Munich** (Prof. Dr. Manuel Spitschan) and the **Centre for Chronobiology** in Basel (Dr. Carolin Reichert), we are examining the interaction of light and caffeine on the control of the production of melatonin. You will join a team of researchers at the Centre for Chronobiology in Basel to recruit participants and collect data.

Applicant profile

- Master's student in biology, psychology, health science, physiology, neuroscience, (bio)medicine and related disciplines
- Experience in human-subjects research
- Attention to detail
- Independent, proactive and self-driven style of working
- Ability to work in teams

Start date and duration

1 June 2023 or later; 6-9 months

Application requirements

Please send the following documents via email to manuel.spitschan@tum.de, with the subject "TUM/UPK Project application":

- Cover letter, describing your motivation to join the project (1 pages)
- Curriculum vitae, highlighting relevant skills and experience in human-subjects research (max. 2 pages)

Contact

Prof. Dr. Manuel Spitschan, manuel.spitschan@tum.de

Dr. Carolin Reichert, carolin.reichert@upk.ch