

# Undergraduate Research in Cognitive Neuroscience

Are you interested in research in cognitive neuroscience?

Are you a psychology\* master's (kandidat) student at SDU?

Do you want to learn how to run EEG experiments and analyze the data?

Are you ready to start an undergraduate (prægraduat) research year in February 2024?

Maybe YOU are the right person!



## The Project

- Basic research using EEG recordings of steady-state visual evoked potentials to investigate the mechanisms of visual selective attention to moving objects in healthy human participants.
- Based at the Department of Psychology at SDU

## What is expected of you?

- Keenly interested in research, highly motivated, a fast learner
- Reliable and able to work independently
- Good academic English
- Have an aptitude for technology and mathematics and a willingness to acquire and develop relevant skills (e.g., statistics, coding)

## What will you gain?

- Hands-on research experience
- Learn how to do EEG recordings, analyze the data, and interpret the results
- Personal supervision by an internationally recognized researcher
- Possibility to author a research paper, use the research for your Master's thesis (speciale)

## Further in formation

- Faculty of Health Sciences information on undergraduate research: [https://www.sdu.dk/en/forskning/phd/phd\\_skoler/phdskolensundhedsvidenskab/undergraduate](https://www.sdu.dk/en/forskning/phd/phd_skoler/phdskolensundhedsvidenskab/undergraduate)
- Department of Psychology information on undergraduate research (Danish version only): [https://www.sdu.dk/da/om\\_sdu/institutter\\_centre/institut\\_psykologi/forskning/praegraduat](https://www.sdu.dk/da/om_sdu/institutter_centre/institut_psykologi/forskning/praegraduat)
- Example of published similar research: Adamian N, Andersen SK (2022). Attentional enhancement of tracked stimuli in early visual cortex has limited capacity. *Journal of Neuroscience*, 42(46), 8709-8715.
- Further questions may be addressed to Professor Søren Krogh Andersen ([skandersen@health.sdu.dk](mailto:skandersen@health.sdu.dk))

## How to apply

- Curriculum Vitae (CV) (max. 2 pages)
- Brief letter explaining your motivation (max. 1 page)
- Summary of courses and grades from the University

Send these documents to Professor Søren Krogh Andersen ([skandersen@health.sdu.dk](mailto:skandersen@health.sdu.dk))

**Deadline for applications:** May 1<sup>st</sup>, 2023

\* Highly interested students from other relevant disciplines (e.g. other health sciences, biology, etc.) may also be eligible, however this can only be determined on an individual basis.