



UNIVERSITETET I OSLO

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Nettside: <http://www.uio.no/>
Omfang: Heltid
Varighet: Vikariat/Midlertidig

PhD Research Fellowship in Brain Imaging

Job description

A three-year position as PhD student at the Norwegian Centre for Mental Disorders Research (NORMENT, <http://www.med.uio.no/norment/english>) is currently available. The position is part of an ERA-NET NEURON funded project on synaptic dysfunction in schizophrenia.

More about the position

The ERA-NET project seeks to understand mechanisms behind synaptic dysfunction in schizophrenia and involves collaborating partners in Finland, Germany, Switzerland, the Netherlands and Romania. The project is a multidisciplinary effort bridging experimental research with computational modeling and targets a mechanistic understanding from the gene level to the level of brain networks. The PhD candidate will contribute to this project with brain level research, utilizing structural and functional magnetic resonance imaging (MRI) as well as electroencephalography (EEG). The 3-year PhD project includes acquisition of MRI and EEG data as well as statistical analysis and dissemination. The candidate will benefit from a fruitful and supportive interdisciplinary working environment at NORMENT, which is a Norwegian Centre of Excellence established in 2013. Short stays at the research institutions of collaborating partners are encouraged and will equip the candidate for an international career in science. The candidate will be admitted to the PhD program at the Faculty of Medicine.

Qualification requirements

The ideal candidate will have

- A Master's degree in computational or cognitive neuroscience, biology or psychology with a strong interest in interdisciplinarity
- Hands-on experience with MRI and EEG data collection
- Proficiency in the analysis of MRI data (FSL, Freesurfer) and EEG data (EEGlab)
- Ability to work independently, organized and focused
- Excellent written and oral English. Norwegian would be beneficial for data collection.
- Demonstrated proficiency in shell scripting, Matlab, R, or similar
- Excellent statistical background
- Strong motivation and an interest in exploring new ways to look at data

Personal skills will be emphasized.

We offer

- An ambitious and exciting research environment with a strong multidisciplinary profile and excellent opportunities for academic development.
- Salary in the range of NOK 449 400 - NOK 497 000 depending on qualifications and experience.
- Supervision and support for the PhD project
- Possibility to attend conferences and visit collaborating partners for short research exchange stays

How to apply

The application must include

- Cover letter stating motivation, research interests and relevant work experience
- CV, including a list of previous publications if available
- Copies of certificates and grades
- 2-3 references

The application with attachments must be delivered in our electronic recruiting system, please follow the link "apply for this job". Foreign applicants are advised to attach an explanation of their University's grading system. Please note that all documents should be in English (or a Scandinavian language).

After the initial screening process, short-listed candidates may be invited for an interview. The position is to be filled as soon as possible.

Formal regulations

Please see the [guidelines and regulations](#) for appointments to Research Fellowships at the University of Oslo.

According to the Norwegian Freedom and Information Act (Offentleglova) information about the applicant may be included in the public applicant list, also in cases where the applicant has requested non-disclosure.

The appointment may be shortened/given a more limited scope within the framework of the applicable guidelines on account of any previous employment in academic positions.

The University of Oslo has an [agreement](#) for all employees, aiming to secure rights to research results etc.

Contact information

For any informal enquiries regarding the positions, please contact:

Director of NORMENT, Ole Andreassen, e-mail: ole.andreassen@medisin.uio.no

PhD supervisor, Tobias Kaufmann, e-mail: tobias.kaufmann@medisin.uio.no.

For questions regarding the recruitment process, please contact:

HR adviser, Kine Yttersian, e-mail: kine.yttersian@medisin.uio.no

About the University of Oslo

The University of Oslo is Norway's oldest and highest ranked educational and research institution, with 28 000 students and 7000 employees. With its broad range of academic disciplines and internationally recognised research communities, UiO is an important contributor to society.

The Institute of Clinical Medicine (Klinmed) is one of three institutes under the Faculty. Klinmed is responsible for the Faculty's educational and research activities at Oslo University Hospital and Akershus University Hospital. With about 800 employees spread over approximately 425 man-labour years, Klinmed is the university's largest institute. Our activities follow the clinical activity at the hospitals and are spread across a number of geographical areas.

Tilleggsinformasjon

Arbeidssted: