PhD-research Fellowship in Neuroscience

Job description

A PhD fellowship in Neuroscience is available in the group of Associate Professor Koen Vervaeke: [http://vervaeke-lab.org/](http://vervaeke-lab.org/). The lab is located at the Division of Physiology, Institute of Basic Medical Sciences (IMB), at the University of Oslo. The project is funded by an EEA grant. The position is fully funded for a period of 3 years and available from the 1st of September, 2020.

The IMB has a strategic ambition of being a leading research faculty. Candidates will be selected in accordance with this, and expected to be in the upper segment of their class with respect to academic credentials.

More about the position

We are searching for highly motivated candidates with a strong interest in cortical circuits and statistics. We aim at determining cortical circuit functions in behaving animals. The candidate will use state-of-the-art methods in computational statistics and machine learning to analyze large-scale neural data obtained by two-photon microscopy.

The research fellow must take part in the Faculty’s approved PhD program and is expected to complete the project within the set fellowship period. The main purpose of the fellowship is research training leading to the successful completion of a PhD degree.

The applicant must, in collaboration with her/his supervisor, within 3 months after employment, have worked out a complete project description to be attached to the application for admission to the doctoral program. For more information, please see our web site: [https://www.med.uio.no/forskning/phd/](https://www.med.uio.no/forskning/phd/)

Qualification requirements

A Master’s degree (120 ECTS) or an equivalent qualification in neuroscience, computer science, math, physics or engineering are encouraged to apply. minimum grade B (ECTS grading scale) or equivalent. The Master’s degree must include a thesis of at least 30 ECTS.

Ideally, the applicants have experience with analyzing large-scale neural data, machine learning and exploratory data analysis. The applicants should have good programming skills (eg. Matlab), be a critical thinker and team player. The candidate should be able to work independently and structured, while at the same time engage in close collaborations. Applicants must hold an MSc or M.D. degree.

In assessing the applications, special emphasis will be placed on the relevance of the candidate’s background.

A good command of English is required.

We offer

- A challenging and friendly working environment
- Salary NOK 479 600 - 523 200 per annum depending on qualifications in a position as PhD Research fellow, (position code 1017)
- Favourable pension arrangements
- Attractive welfare benefits

How to apply

The application must include:

- A one-page statement of motivation, research interests and a brief description of previous relevant experience.
- CV
- Copies of educational certificates
- Names and contact details of 2-3 references (name, relation to candidate, e-mail and telephone number)
- Optional: letters of recommendation

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.

When evaluating the application, emphasis will be given to the eventuelt “project description” and the applicant’s academic and personal prerequisites to carry out the project. Applicants may be called in for an interview.

Formal regulations

Please see the [guidelines and regulations](#) for appointments to Research Fellowships at the University of Oslo.
No one can be appointed for more than one PhD Research Fellowship period at the University of Oslo.

According to the Norwegian Freedom of 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**

Associate Professor Koen Vervaeke, e-mail: koenv@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 Basic Medical Sciences overall objective is to promote basic medical knowledge in order to understand normal processes, provide insight into mechanisms that cause illness, and promote good health. The Institute is responsible for teaching in basic medical sciences for the programmes of professional study in medicine and the Master's programme in clinical nutrition. The Institute has more than 300 employees and is located in Domus Medica.

Jobbnorge-ID: 190857, Søknadsfrist: 25. august 2020