



UNIVERSITETET I OSLO

Jobbnorge ID: 296128
Deadline: 4/5/2026
Website: <http://www.uio.no/>
Scope: Fulltime
Duration: Fixed Term

PhD fellowship in Systems Neuroscience

About the position

A PhD position is available in the lab of Prof. [Koen Vervaeke](#) at the Institute of Basic Medical Sciences, University of Oslo. The position is a four-year fixed-term appointment, of which 25% is dedicated to career building opportunities.

We are looking for highly motivated candidates with a strong interest in systems neuroscience and microscopy.

The lab focuses on determining the mechanisms of neural circuits and the contribution of specific cell types to behavior. In this particular project, you will investigate how the hippocampus forms spatial memories and how these processes are influenced by addictive substances.

You will use state-of-the-art in vivo two-photon imaging and electrophysiology to record neuronal activity in rodents performing behavioral tasks, and use optogenetics to manipulate neural activity.

Do you enjoy working in an international environment, tackling the mysteries of the brain with the support of an international team of experts? Then this job may be for you.

Qualification requirements

We are looking for applicants with a Master's degree (120 ECTS) in neuroscience, biology, medicine, computer science, physics or engineering, or closely related fields. Minimum grade B (ECTS grading scale). The Master's degree must include a thesis of at least 30 ECTS.

- You must be comfortable working with rodents because you will perform delicate surgical procedures (Previous experience with animal surgery is an advantage).
- You have a broad interest in scientific disciplines and a tinkerer's mindset. You are comfortable with basic electricity/electronics, chemistry, and optics, as you will be working with advanced custom instrumentation.
- Experience with programming (for example Python/Matlab) and image analysis is highly recommended. Please share your GitHub code repository if you have one.
- In assessing the applications, special emphasis will be placed on the relevance of the candidate's background.
- Scientific Curiosity: For you, research is a calling, not just a job. You possess a lifelong, burning curiosity for science.
- An excellent command of written and spoken English is required.

Ideally, the applicants have basic experience with some of the following disciplines: electrophysiology, microscopy, optogenetics or computational neuroscience. We are looking for candidates with strong scientific curiosity and a genuine motivation for research.

We need different perspectives in our work

UiO is an open and internationally oriented comprehensive university that strives to be an inclusive and diverse workplace and academic environment. You can read more about UiO's work on equality, inclusion, and diversity at uio.no.

We fulfill our mission most effectively when we draw upon our variety of experiences, backgrounds, and perspectives. We are looking for great colleagues—could you be the next one?

We will do our best to accommodate your needs. Relevant adjustments may include modifications to working hours, task adaptations, digital, technical, or physical adjustments, or other practical measures.

If you have an immigrant background, a disability, or CV gaps, we encourage you to indicate this in the job application portal. We always invite at least one qualified candidate from each group for an interview. In this context, disability is defined as an applicant who identifies as having a disability that requires workplace or employment-related accommodations. For more details about the requirements, please refer to the [Employer portal](#) (Norwegian).

The selections made in the job application portal are used for anonymized statistics that all state employers include in their annual reports.

More information about gender equality initiatives at UiO can be found [here](#).

We hope you will apply for the position with us.

Why should you choose us?

- Exciting and meaningful tasks in an organization with an important societal mission, contributing to knowledge development, education, and enlightenment that promote sustainable, fair, and knowledge-based societal development.
- Committed colleagues in a good working environment.
- Good [welfare schemes](#).
- Opportunity of up to 1.5 hours a week of [exercise during working hours](#).
- A workplace with good development and career opportunities.
- Membership in the [Statens Pensjonskasse](#), which is one of Norway's best pension schemes with beneficial mortgages and good insurance schemes.
- Salary in position as Doctoral Research Fellow, position code 1017 in salary range NOK from 550 800 to 600 000 , depending on competence and experience. From the salary, 2 percent is deducted in statutory contributions to the State Pension Fund.

Read more about the benefits of working in the public sector at [Employer Portal](#).

Application

Your application should include:

- Application letter.
- CV.
- A complete list of publications.
- Transcripts and certificates.
- Contact information for 2-3 references.

Application with attachments must be submitted via our recruitment system Jobbnorge, click "Apply for the position".

When applying for the position, we ask you to retrieve your education results from [Vitnemålsportalen.no](#). If your education results are not available through Vitnemålsportalen, we ask you to upload copies of your transcripts or grades. Please note that all documentation must be in English or a Scandinavian language.

General information

The best qualified candidates will invited for interviews.

Applicant lists can be published in accordance with [Norwegian Freedom of Information Act](#) § 25. When you apply for a position with us, your name will appear on the public applicant list. It is possible to request to be excluded from this list. You must justify why you want an exemption from publication and we will then decide whether we can grant your request. If we cannot, you will hear from us.

Please refer to [Regulations for the Act on universities and colleges chapter 3](#) (Norwegian), [Guidelines concerning appointment to post doctoral and research posts at UiO](#) and [Regulations for the degree of Philosophiae Doctor \(PhD\) at the University of Oslo](#).

The University of Oslo has a [transfer agreement](#) with all employees that is intended to secure the rights to all research results etc.

University of Oslo

The University of Oslo is Norway's oldest and highest ranked educational and research institution, with 26 500 students and 7 200 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.

Additional information

Contact person:

Koen Vervaeke, Professor

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Place of service:

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