



# UNIVERSITETET I OSLO

**Jobbnorge-ID:** 209523  
**Søknadsfrist:** 29.09.2021  
**Nettside:** <http://www.uio.no/>  
**Omfang:** Heltid  
**Varighet:** Åremål

Faculty of Social sciences, Department of Psychology. Center for Lifespan Changes in Brain and Cognition (LCBC)

## Postdoctoral research fellow

### Job description

A position as Postdoctoral Fellow is available at the Center for Lifespan Changes in Brain and Cognition (LCBC), at the Department of Psychology, University of Oslo. This position will fit a highly talented candidate with interests in developing and applying advanced statistical models for brain health research.

### The research center

The goal of LCBC is to understand brain and cognitive changes and how to optimize them through the entire lifespan. LCBC is an active multi-disciplinary research center, with a staff of about 30 full time positions, including eight faculty professors/researchers, several PostDocs and PhD candidates, several programmers/engineers and full-time RAs, extensive supporting personnel and several affiliated international researchers. LCBC has excellent research infrastructure, including access to a 3T Siemens Prisma, PET and EEG, and neuropsychological and somatic test facilities. English is the language of the center.

LCBC coordinates a large H2020 EU-project and has obtained four grants from the European Research Council (ERC). Further funding comes from the Norwegian Research Council, the National Health Association, the Thon foundation and the University of Oslo. The group was in 2015 appointed status as "world leading" as one of five at the University of Oslo, with special funding. More information can be found on [www.oslobrains.no](http://www.oslobrains.no)

### More about the position

This position will be funded by a project newly granted by the Research Council of Norway: "Exploring the Causal Effects of Immune Responses to Cognitive and Mental Health - Integrating Large-scale Genomics with Longitudinal Studies". LCBC has collected a large amount of multimodal data on about 1200 subjects. In addition to extensive longitudinal cognitive and neuroimaging measures, this includes DNA variation, DNA methylation and blood cytokine levels.

The goal of this position is to develop and apply causal inference statistical models for the role of the immune response in brain changes and cognitive health across the lifespan. The candidate will combine our deeply phenotyped data with large-scale public human genetic data, such as UK Biobank, ABCD, and GWAS results, and work to advance knowledge about inflammatory pathways, including the effects of circulating cytokines on changes in brain structure and function across life.

The successful applicant will join the genetic analysis group of LCBC and work on applying the state-of-the art methodologies in the field on our curated dataset of brain and neuropsychological parameters, such as sleep, memory and learning.

LCBC has a well-functioning data management infrastructure, thus the successful applicant can expect to be able to focus on the analysis and publication part of the scientific process. In addition, the successful applicant will be assisted by a highly competent team of geneticists, engineers, statisticians, and psychologists in the center. The candidate is also welcome and expected to take part in LCBC's extensive network of international collaborations, for example via the Lifebrain consortium (<https://www.lifebrain.uio.no/>).

The position of postdoctoral fellow is fulltime for a period of 3 years funded by the Norwegian Research Council.

Expected start date: January 1st 2022 (negotiable)

### Qualification requirements

- A PhD degree in statistics, biostatistics, epidemiology, or statistical genetics. The doctoral dissertation must have been submitted for evaluation prior to the closing date, and appointment is dependent on the doctoral thesis being approved
- Strong programming skills (e.g. R, unix scripting, or Python)
- Excellent English communication skills, orally and in writing

The following will be considered as advantages:

- Documented skills in statistical modelling, ideally causal inference.
- Strong record of scientific publication

In assessing applications, particular emphasis will be placed upon the quality of the candidate's academic qualifications. Interviews with selected candidates may be arranged where the applicant's personal prerequisites and cooperative skills will be emphasized.

## We offer

- Salary NOK 563 900 - 650 300 per year depending on qualifications
- Professional development in a stimulating academic environment
- Favorable pension and social welfare benefits
- [Attractive welfare arrangements](#)

## How to apply

The application must include

- Letter of application, 1-2 pages, explaining the motivation for applying
- Curriculum Vitae summarizing education, positions and academic work
- Copies of educational certificates, publications/academic work that the applicant wishes to be considered by the evaluation committee
- Names and contact details of at least two references (name, relation to candidate, e-mail and telephone number).

The application with attachments must be delivered in our electronic recruiting system. 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).

## Contact information

For more information, please contact Yunpeng Wang ([yunpeng.wang@psykologi.uio.no](mailto:yunpeng.wang@psykologi.uio.no)).

## Formal regulations

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

No one can be appointed for more than one Postdoctoral Fellow 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.

Inclusion and diversity are a strength. The University of Oslo has a personnel policy objective of achieving a balanced gender composition. We also want to have employees with diverse expertise, combinations of subjects, life experience and perspectives. We will make adjustments for employees who require this.

If there are qualified applicants with special needs, gaps in their CVs or immigrant backgrounds, we will invite at least one applicant in each of these groups to an interview.

## 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 Department of Psychology** is one of seven units of the Faculty of Social Sciences, and has 75 permanent and 70 temporary members of scientific staff. Degrees are offered at bachelor and master level, plus a clinical training programme, and the PhD programme has 140 students.

## Tilleggsinformasjon

### Arbeidssted:

Psykologisk institutt 0316 Oslo (Oslo Kommune)