UNIVERSITETET I OSLO

Jobbnorge ID: 294210
Deadline: 2/26/2026
Website: http://www.uio.no/
Scope: Fulltime
Duration: Fixed Term

PhD Research Fellowship in Pharmacovigilance

About the position

Position as PhD Research Fellow in Pharmacovigilance available at the Department of Pharmacy, Faculty of Mathematics and Natural Sciences, University of Oslo, Norway.

A 4-year Phd Fellow position in pharmacovigilance is available at the Department of Pharmacy, University of Oslo. The candidate will be part of the UiO:Life Science convergence environment “UiO:Real-World Evidence: Capitalizing on Norwegian Health Data for Rapid Generation of Real-World Evidence on Effectiveness and Safety of Pharmaceutical”, funded by UiO:Life Science. The position is full-time for a duration of four years and includes 25% career promoting work within the UIO:Real-World Evidence convergence environment.

Starting date no later than 01.10.2026.

No one can be appointed for more than one PhD Research Fellowship period at the University of Oslo.

The place of work will be at the Department of Pharmacy’s premises on the Blindern campus. In 2026, the Department of Pharmacy will move into the new Life Sciences Building, which will offer modern teaching and research facilities.

About The UiO:Real-World Evidence convergence environment

The PhD position is one of four PhD and post doc positions within the UiO:Real-World Evidence Convergence environment at the University of Oslo. Convergence environments are interdisciplinary research groups that will aim to solve grand challenges related to health and environment. They are funded by UiO's interdisciplinary strategic area UiO:Life Science www.uio.no/life-science.

UiO:Real-World Evidence aims to generate high-quality real-world evidence on the effectiveness and safety of pharmaceuticals. The initiative leverages Norway’s national health registries, advanced analytical methods, and clinical trial data to inform regulatory decisions, clinical practice, and public health.

Read more about UIORWE here:
Capitalizing on Norwegian Health Data for Rapid Generation of Real-World Evidence on Effectiveness and Safety of Pharmaceuticals (UiO:RWE) - UiO:Life Science

About the project

This PhD project integrates pharmacoepidemiology, causal inference, and machine learning to study real-world treatment patterns, effectiveness, and safety of monoclonal antibodies (mAbs) used in autoimmune, inflammatory, and neurological diseases. Using nationwide registry data, including the Norwegian Prescribed Drug Registry, the Norwegian Patient Registry, and the Norwegian Adverse Drug Reaction Register, the project will characterize mAb treatment patterns and assess real-world effectiveness and safety outcomes, including survival, relapse, infection, and adverse events. Machine learning methods will be applied for risk prediction, signal detection, and causal analyses, generating robust evidence to inform clinical practice and regulatory decision-making. A key objective is to assess the value of ADR registry reports versus diagnosis-based outcomes, and how their combination can improve safety signal detection.

As a PhD fellow, you will be working with large-scale longitudinal data, managing data, writing scripts, performing statistical analyses, and writing articles on several pharmacoepidemiological studies that will be the basis of the PhD. The doctoral project will be carried out in close collaboration with researchers across the UiO:Real-World Evidence convergence environment and with international partners, and become member for the National Research School in Epidemiology (EPINOR), in which the Department of Pharmacy is a partner institution

The career promoting work will mainly include supervision of master’s students in register-based epidemiology and health data analysis, development of educational material, organization of environmental activities, as well as dataset management and administrative tasks within UiO:Real-World Evidence and the UiOLifeScience initiative at UIO.

About the PharmaSafe research group

The candidate will become affiliated to **the Pharmaco-Epidemiology and Drug Safety Research Group** at the Department of Pharmacy, Faculty of Mathematics and Natural Sciences, University of Oslo, which is led by professor Hedvig Nordeng, who will be main supervisor. The research group includes 4 full time researchers, 2 adjunct positions, 7 PhD-students and post doc’s as well as several guest researchers and masterstudents making up a group of over 20 individuals. The research group is multidisciplinary and has expertise within pharmacoepidemiology, biostatistics, genetics, psychiatry, pharmacotherapy and clinical pharmacy.

Read more here:
www.mn.uio.no/farmasi/english/research/groups/pharma-safe/index.html

Read more about the UiO:Life Science here:
www.uio.no/english/research/strategic-research-areas/life-science/

About the National Research School in Epidemiology (EPINOR)

EPINOR aims to strengthen doctoral training in epidemiology by providing PhD candidates with advanced methodological skills, promoting interdisciplinary and cross-sectoral collaboration, and stimulating innovative use of Norwegian health data. The research school is led by UiT, with the University of Oslo (UiO) as one of several partner institutions.

What skills are important in this role?

The Faculty of Mathematics and Natural Sciences has a strategic ambition to be among Europe's leading communities for research, education and innovation. Candidates for these fellowships will be selected in accordance with this, and expected to be in the upper segment of their class with respect to academic credentials.

Qualification requirements:

- Master's degree or equivalent in pharmacy, epidemiology, biostatistics, medicine or related fields.
- Foreign completed degree (M.Sc.-level) corresponding to a minimum of four years in the Norwegian educational system.
- Experience within analysis of large data sets.
- Good skills in statistics and the application modern epidemiological methods.
- Good programming skills in R or STATA.
- Fluent oral and written communication skills in English.

Candidates without a master's degree have until June 30, 2026 to complete the final exam.

Desired qualifications:

- Experience with causal inference methods and/or perinatal pharmacoepidemiology
- High motivation for a research career, documented primarily via original publications in peer-reviewed scientific journals.
- Oral and written communication skills in a Scandinavian language

Language requirement:

- Good oral and written communication skills in English
- English requirements for applicants from outside of EU/ EEA countries and exemptions from the requirements: https://www.mn.uio.no/english/research/phd/regulations/regulations.html#toc8

Grade requirements:
The norm is as follows:

- The average grade point for courses included in the Bachelor's degree must be C or better in the Norwegian educational system
- The average grade point for courses included in the Master's degree must be B or better in the Norwegian educational system
- The Master's thesis must have the grade B or better in the Norwegian educational system

The purpose of the fellowship is research training leading to the successful completion of a PhD degree. For more information see:
http://www.mn.uio.no/english/research/phd/

All candidates and projects will have to undergo a check versus national export, sanctions and security regulations. Candidates may be excluded based on these checks. Primary checkpoints are the Export Control regulation, the Sanctions regulation, and the national security regulation.

What are we looking for in you?

Personal skills:

- Ability to work independently as well as in multidisciplinary teams
- Ability to give and receive constructive scientific criticism
- Positive attitude and the ability to handle hectic periods

Employment in the position is based on a comprehensive assessment of all qualification requirements applicable to the position, including personal qualifications.

We can offer you

- A pleasant and stimulating work 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
- Career development programmes
- Membership in the Statens Pensjonskasse, which is one of Norway's best pension schemes with beneficial mortgages and good insurance schemes
- Oslo's family-friendly surroundings with their rich opportunities for culture and outdoor activities
- Salary in position as PhD Research Fellow, position code 1017 in salary range NOK from 550 800 - 595 000, depending on competence and experience. From the salary, 2 percent is deducted in statutory contributions to the State Pension Fund

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 (Norwegian), 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.

How to apply

The application must include:

- Cover letter - describing your motivation for applying for the position, summarizing previous research experience, research interests and how own qualifications match the announced position, max. 2 pages
- CV with complete overview of education, work experience, and other qualifying activity.
- Copy of master's thesis and potentially other scientific work (not more than a total of 3 items)
- Copies of the original Bachelor and Master's degree diploma and transcripts of records
- Documentation of English proficiency if applicable
- Publication list, including master thesis and potentially other work, including preprints and scientific talks and posters
- Names and contact details of 2-3 references (name, relation to candidate, e-mail and telephone number)

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

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 can't, 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 (Norwegian) 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.

About the University of Oslo

The University of Oslo is Norway's oldest and highest rated institution of research and education with 26 500 students and 7 200 employees. Its broad range of academic disciplines and internationally esteemed research communities make UiO an important contributor to society.

The Department of Pharmacy has 130 employees. We have an active research and innovation environment based on independent research in pharmaceutical topics. The Department of Pharmacy is responsible for the popular master's degree program in pharmacy and has 350 competent and committed students.

Pharmaceutical related research and education forms the base of all activities at the Department of Pharmacy. The science of pharmacy lies in the interface between the natural sciences, pharmaceutical technology, health related topics and social sciences. This interdisciplinarity is reflected both in our study programmes and in our research.
In the planned life science building at the University of Oslo, closer collaboration with health enterprises, local government and the business sector will enhance quality and relevance in research and education of the future labour force. The building will be the heart of the first innovation district in Norway - Oslo Science City. The Department of Pharmacy will move into the new Life Science building in 2026.

Additional information

Contact persons:

- For further information please contact: Hedvig Nordeng, Professor
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- For questions regarding Jobbnorge, please contact Torunn Standal Guttormsen, HR Senior Adviser

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Place of service:
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