



Oslo / Sogn

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Del

Postdoc

Arbeidsgiver: Division of Surgery, Inflammatory Diseases and Transplantation, Section of Rh...**Stillingstittel:** Postdoc**Frist:** 10.05.2023**Ansettelsesform:** Engasjement

POSTDOC POSITION IN STATISTICAL GENETICS AND BIG DATA

At Section of Rheumatology, a 3-year post-doctoral research position in statistical genetics and big data is available, in the project PREVENT-JIA, funded by the South-Eastern Norway Regional Health Authority. The project is an important part of the research group of Prof. Helga Sanner (Epidemiology and outcomes in rheumatic disease) <https://www.ous-research.no/sanner>, in close collaboration with the the Centre of Excellence (CoE) NORMENT at the Institute of Clinical Medicine, University of Oslo led by Prof. Ole A Andreassen <https://www.med.uio.no/norment/english/>. The project PREVENT-JIA aims to identify risk and protective factors for juvenile idiopathic arthritis (JIA). This includes to develop and apply advanced statistical methods for analysis of large-scale human genetic data, and to study how biological/genetic, psychological and environmental factors contribute to JIA and comorbid conditions. The project will utilize data from the internationally unique Norwegian Mother, Father and Child Cohort study (MoBa) as well as Norwegian JIA registries. The current position is focused on multivariate analysis of these large-scale datasets using novel statistical tools to better understand polygenic architectures of JIA.

Oslo University Hospital is a workplace with great diversity. We believe this is essential to perform the tasks required of us. Therefore, we pursue diversity among our job applicants and encourage everyone to apply regardless of who you are and what background you have.

Job description



Develop and apply multivariate models to identify and quantify the genetic variations contributing to development of human disorders, with a focus on JIA.

The research will involve statistical genetics, bioinformatics, machine learning and Bayesian data analysis, molecular genetics, and novel biostatistical methods.

Work in a multidisciplinary team with clinicians as well as with experts in statistics, applied mathematics, big data analysis and computer science.

The postdoc will, in addition to being a part of the Sanner group, also be an integrated part of the Andreassen group who are leading experts in statistical genetics and big data.

Collaborate with the Norwegian Institute of public health (NIPH), deCODE Genetics, Iceland and the National Institute of Environmental Health Sciences (NIH/NIEHS), USA.

The position may involve a period working abroad with our collaborators

Qualification requirements

PhD in statistical genetics, medicine, molecular genetics, applied mathematics, computer science or equivalent (or a PhD within 3 months from the deadline of the present call)

Competence in statistical genetics, applied mathematics and machine learning is preferable

Strong programming skills and hands-on experience with high performance computing and big data analysis is a major advantage

Genuine interest in developing and applying new analytical methodology

Background in DNA/RNA sequencing and microarray data analyses, bioinformatics and genetic engineering is an advantage

Clinical background will be an advantage

Strong command of English, oral and written

Personal competence:

Ambitious and highly motivated

Self-driven

Structured, accurate and efficient

Goal oriented

Teamworker

We offer

An exciting research environment with a multidisciplinary profile and large opportunities for academic development.

Opportunity to work with international experts in the field

Salary depending on qualifications

Favourable pension plan

Attractive welfare arrangements

How to apply

The application must include:

Application and motivation letter

Academic CV

A complete list of publications and academic work



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

Interviews with the best qualified candidates will be arranged.

Contacts

Helga Sanner, Project leader and professor, +47 41256664, helsan@ous-hf.no

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Location

Sognsvannsveien 20

0372 Oslo

Key information:

Employer: Oslo universitetssykehus HF

Reference number: 4651886519

Percentage of full-time: 100%

Contract

Start date: 16/06/2023

End date: 14/06/2026

Application deadline: 10/05/2023

Sektor: Offentlig

Sted: Sognsvannsveien 20, 0372 Oslo

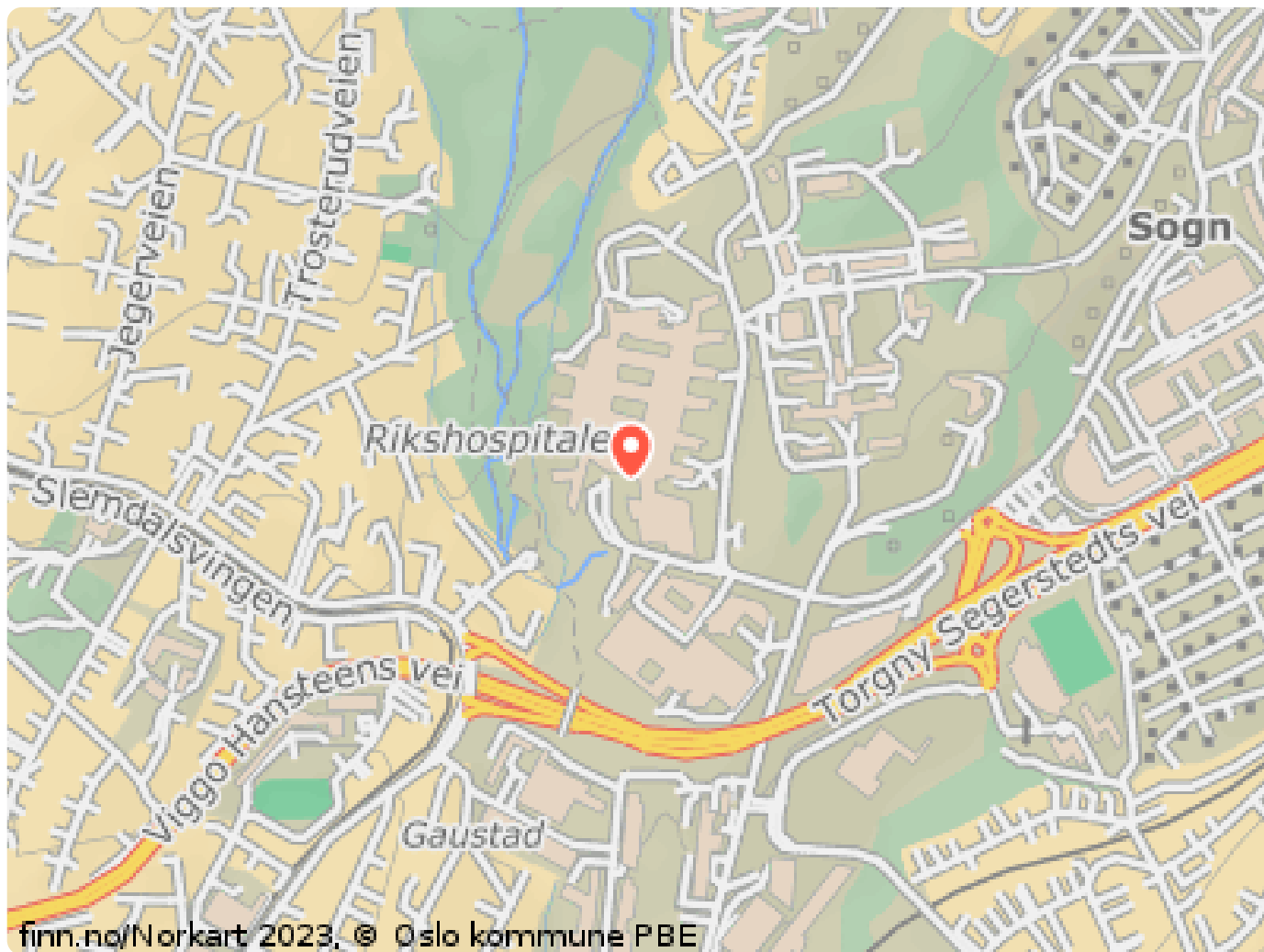
Stillingsfunksjon: Forskning/Stipendiat/Postdoktor, Annet, Helsepersonell



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Sognsvannsveien 20, 0372 Oslo



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FINN-kode: 299631625

Sist endret: 20. apr. 2023 09:50

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