GÖTEBORGS UNIVERSITET

SAHLGRENSKA AKADEMIN
INSTITUTIONEN FÖR BIOMEDICIN

Diarienr:

Institute of Biomedicine 2026-11-16

Department of Laboratory Medicine
Supervisor: Anna Wenger
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Postdoctoral Fellowship Announcement

A postdoctoral fellowship in Cancer Genomics is hereby advertised at the Institute of Biomedicine, Department of Laboratory Medicine, University of Gothenburg.

The fellowship is available for the period 5 April 2027 – 5 April 2029.

Project description

The Wenger laboratory studies the origins and consequences of somatic mutations in human tissues, with a particular focus on childhood cancer and mutational processes associated with cancer therapy. The group combines state-of-the-art sequencing technologies with computational genomics approaches to characterize mutational processes and their impact on normal human tissues.

The project aims to implement and apply bioinformatic methods for the analysis of ultra-sensitive duplex DNA sequencing data to study somatic mutations in normal human tissues. The work will involve the implementation of reproducible workflows for sequencing data processing, mutation detection, and quality control, as well as analysing mutations and mutational signatures in treatment-exposed tissues.

The successful candidate will have the opportunity to contribute to the establishment of a new research programme focused on somatic mutagenesis in normal human tissues using cutting-edge ultra-sensitive sequencing technologies. The postdoctoral researcher will join Anna Wenger's research group at the University of Gothenburg and work in close collaboration with research partners.

Eligibility

To be eligible for the fellowship, candidates must fulfil the eligibility requirements for international postdoctoral fellowships set by the Wenner-Gren Foundations. These include, among other criteria, that the PhD degree must have been obtained no more than five years before the application to the Foundation, that the doctoral degree must not have been awarded by a Swedish university, and that the candidate must not have resided in Sweden for more than nine months during the three years preceding the application to the Wenner-Gren Foundations.

Qualifications

Required qualifications

- PhD degree in Bioinformatics, Genomics, Computer Science, Computational Biology, or a related field.
- Experience analysing large-scale biological datasets.
- Strong programming skills.
- Demonstrated ability to communicate scientific results effectively in English, both orally and in writing.

Meritorious qualifications

- Experience programming in **R** and **Bash**.
- Experience working in a Linux environment and on high-performance computing (HPC) clusters.
- Experience analysing genomics or sequencing datasets.
- Research experience in cancer, somatic mutations, or mutational signatures.

Particular emphasis will be placed on personal suitability, including attention to detail, a structured approach to work, initiative, and the ability to collaborate effectively within a research team.

Application

Applications should be sent to **anna.wenger@gu.se** and must include:

- A cover letter describing previous research experience and outlining the motivation for applying for the fellowship.
- Curriculum vitae (CV) and publication list.
- Copies of relevant degree certificates.
- Names and contact details of at least two referees.

For further information, please contact Anna Wenger at anna.wenger@gu.se.