

1-2 Postdoc researchers in genetic epidemiology

Karolinska Institutet, Institutionen för medicinsk epidemiologi och biostatistik

The Department of Medical Epidemiology and Biostatistics (MEB) is among the largest departments of epidemiology in Europe with special focus on increasing our knowledge of the aetiology of different diseases. Our department consists of researchers, doctoral students, biostatisticians, data collectors and database administrators as well as administrative personnel, in total some 250 staff. The department is situated at campus Solna. Further information can be found at ki.se/meb

Division

Genetics play an important role in many complex diseases including prostate and testicular cancer. Genome wide association studies (GWAS) have made possible to enhance our understanding of the underlying etiology of these diseases. Considerable amount of research is ongoing at MEB building on large resources of population-based study populations with rich information about clinical characteristics, patient follow-up, and molecular measurements. In addition we have extensive collaboration with international prostate and testicular cancer consortia making very large collection of study populations available for research.

The overarching aim of our research is to further decipher the importance of inherited genetics on development, progression and survival of prostate and testicular cancer. Our approaches are mainly based on genome wide genotyping and targeted sequencing data integrated with different molecular features including gene expression. Applications are heavily data driven and rely on substantial computation resources.

Duties

The main responsibilities are to perform research and be involved in supervision of PhD students. The work tasks involve performing genetic assessment of testicular and prostate cancer including, but not restricted to, GWAS, copy number assessment, transcriptome wide association (TWAS) assessment and pathway enrichment analysis, as well as development of efficient prediction models of molecular features based on genome wide genotyping.

Entry requirements

A person is eligible for a position as Postdoctoral Researcher if he or she has obtained a PhD no more than seven years before the last date of employment as postdoc.

The positions require a PhD degree with focus on statistics, biostatistics, genetic epidemiology, computing science or a closely related field. The ideal applicant should have strong computational skills with experience of genetic applications. Experience in prediction method development is a strong merit. Written and spoken fluency in English is essential.

Application process

An employment application must contain the following documents in English or Swedish:

1. A complete curriculum vitae, including date of the thesis defence, title of the thesis, previous academic positions, academic title, current position, academic distinctions, and committee work
2. A complete list of publications
3. A summary of current work (no more than one page)
4. Verifications for crediting of illness, military service, work for labour unions or student organisations, parental leave or similar circumstances

The application is to be submitted through the MyNetwork recruitment system.

Karolinska Institutet is one of the world's leading medical universities. Its mission is to contribute to the improvement of human health through research and education. Karolinska Institutet accounts for over 40 per cent of the medical academic research conducted in Sweden and offers the country's broadest range of education in medicine and health sciences. Since 1901 the Nobel Assembly at Karolinska Institutet has

selected the Nobel laureates in Physiology or Medicine.

Pursuant to the regulations of the Swedish National Archives, applications are kept on file for two years after the appointment has gained legal force. The regulations do not apply to attachments that have been printed or otherwise published.

Karolinska Institutet strives to provide a workplace that has approximately the same number of women and men, is free of discrimination and offers equal opportunity to everyone.

For temp agencies and recruiters, and to salespersons: We politely, yet firmly, decline direct contact with temp agencies and recruiters, as well as those selling additional job announcements.

Type of employment	Permanent position
Contract type	Unknown
Number of positions	2
County	Stockholms län
Country	Sweden
Published	Not yet decided
Last application date	2019-08-21

Link to ad

<http://ki.mynetworkglobal.com/what:job/jobID:147112/>