

Postdoctoral studies in genetic and epigenetic regulation of mast cell activity

Karolinska Institutet, Department of Medicine, Solna, Clinical Immunology and Allergy Unit

The Department of Medicine, Solna, is one of the largest departments at Karolinska Institutet. The department consists of several units that are separated into different research groups. The core activities of the department are research, doctoral education and undergraduate education for medical and biomedical students. The research has three main profiles: allergy, cardiovascular medicine and inflammatory diseases.

Division

Mast cell activation disorders include several syndromes, e.g., mastocytosis and anaphylaxis, where mast cells are activated and their mediators causes a variety of symptoms. The research group on Mast Cell Biology belongs to the Division of Clinical Immunology and Allergy and is part of the Mastocytosis Centre Karolinska. The research is performed in an interdisciplinary setting with strong collaborations with clinical departments and other national and international research groups. A position is now open in Professor Gunnar Nilsson's group to investigate genetic and epigenetic regulation of mast cell activity.

Duties

We are seeking a highly motivated and enthusiastic person with a strong background in molecular biology and genetics to work within a larger research project whose overall objective is to study the mechanisms of mast cell activating disorders. In this part of the project we are investigating genetic and epigenetic modifications that might influence mast cell growth and activity. We expect that you have experience of working with gene regulation and molecular biology. The projects involve both national and international collaborations.

Entry requirements

It is required for the successful candidate to have previous practical research experience of various molecular methods to study gene regulation. Experience of bioinformatics is a great advantage. Knowledge in basic immunology and cell biology is a plus.

Applicants need to have a strong competence in running projects independently but also having good abilities for teamwork and cooperation within a dynamic group of scientists with broad expertise and from different nationalities. Proven ability to write scientific articles and present results orally is required. Since the group has many international collaborations excellent communication skills in English are needed.

Scholarships to pursue postdoctoral studies may be awarded to individuals who come from other countries with the intention of remaining in Sweden only while obtaining all or part of their education. The head of the department determines whether their previous training and scholarly qualifications correspond to a Swedish PhD or higher. Having received a salary or other remuneration from Karolinska Institutet during the past two years may be disqualifying.

One requirement for receiving a scholarship for postdoctoral studies is central registration as a postdoc.

Type of scholarship

Karolinska Institutet awards scholarships to pursue postdoctoral studies. This educational scholarship, which is paid for a maximum of two years within seven years after the receipt of a PhD or the equivalent, is tax-exempt.

The amount is set for a maximum of six months at a time and is paid out on a monthly basis.

Application process

An application must contain the following documents in English:

1. Curriculum vitae and qualifications, presented in accordance with Karolinska Institutet's qualifications portfolio (<http://ki.se/meritportfolj>)
2. A complete list of publications
3. A summary of current work (no more than one page)

4. Contact details for three referees
5. Verifications for crediting of illness, military service, work for labour unions or student organisations, parental leave or similar circumstances
6. Verification from the thesis defence committee or the equivalent (only if the thesis defence is scheduled within three months after the application deadline)

The application is to be submitted on the NetRecruiter 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	Postdoctoral studies.
Working hours	Full time
Reference	2-2234/2013
Published	2013-05-30
Last application date	2013-06-30
Contact	Gunnar Nilsson, Professor +46 8 51770205
Union representative	Merja Heinonen, OFR 46 8-517 753 97 Michael Fored, SACO 46 8-517 791 81
Link to ad	http://ki.mynetworkglobal.com/what:job/jobID:23358/