

Postdoctoral studies in **Cardiometabolic disease** (scholarship)

Karolinska Institutet, Department of Medicine, Solna, Cardiovascular Medicine division

The Department of Medicine, Solna, is one of the largest departments at Karolinska Institutet. The department consists of several divisions 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

A position as postdoctoral researcher is available at the division of Cardiovascular Medicine, Department of Medicine Solna, working with adipocyte biology, metabolism and cardio-metabolic disease. The division of Cardiovascular Medicine focuses on cardiometabolic research concerning cardiovascular inflammation, atherosclerosis and cellular metabolism. The postdoctoral researcher will work together with Assistant Professor Carolina Hagberg (www.Hagberglab.com) and Professors Rachel Fisher and Per Eriksson in a collaborative approach to study how obesity impacts cardio-metabolic disease. The division includes 55 persons working both in pre-clinical and clinical research thus offering a diverse and stimulating scientific environment. The labs are located in the brand new research building BioClinicum, with close proximity to both the clinics at the Karolinska University Hospital and the research resources of Karolinska Institutet.

Duties

The project aims to characterize how changes in adipocyte metabolism affects the cell's and tissue's functionality in health and disease. The project will use a combination of human fat tissue biopsies, specialized culture methods and obese animals as research models to study adipocyte energy metabolism. The postdoc is expected to learn the methods in the lab as well as independently establish new techniques and technology, to coordinate ongoing collaborations both within and outside the team and to instruct students and other scientists in the team. He or she should be able to plan, perform, analyse and document experiments and to communicate the results both within the department and to the greater research community. The duties furthermore include actively taking part in research meetings, handling mouse colonies and tissue biopsies and contributing to the smooth running of the local research environment.

Entry requirements

We are looking for a highly motivated, enthusiastic and efficient researcher with a PhD in a relevant discipline and experience in genetic, molecular and cellular biology methods. Candidates with previous experience in energy metabolism or adipose tissue biology are especially encouraged to apply. Previous experience in metabolic characterization of research animals and maintaining mouse colonies is a plus. An ambitious, pro-active and problem-solving attitude, as well as a solid theoretical background and good practical experience are highly valued. Excellent communication skills in spoken and written English are a must. The ability to work as a team member and prioritize collaboration and communication with colleagues is also required.

The successful candidate will be offered a scholarship for the postdoctoral training in order to promote internationalization of young researchers.

Scholarships for postdoctoral qualification can be established for foreign researchers who place their qualifications in Sweden. The purpose of scholarships for postdoctoral qualification is to promote internationalization and contribute to research qualification after a doctorate or equivalent.

A scholarship for carrying out postdoctoral research can be granted for a maximum of two years within a four year period following the receipt of a doctoral degree or equivalent.

To be eligible for a postdoctoral scholarship, the person must have obtained a doctorate or a foreign degree deemed to be equivalent to a doctorate.

The head of the department determines whether their previous training and scholarly qualifications correspond to a Swedish doctorate or higher.

Type of scholarship

The amount is tax free and it is set for twelve months at a time, paid out on a six months basis. In exceptional cases, shorter periods may be acceptable.

Application process

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

- *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*
- *A complete list of publications*
- *A summary of current work (no more than one page)*
- *A brief motivation letter explaining your interest in the position and outlining your background experience that makes you suitable for the position. Indicate a potential starting date.*
- *Names and contacts of three references*

The application is to be submitted on the Varbi recruitment system.

Karolinska Institutet is one of the world's leading medical universities. Its vision is to significantly contribute to the improvement of human health. Karolinska Institutet accounts for the single largest share of all academic medical research conducted in Sweden and offers the country's broadest range of education in medicine and health sciences. The Nobel Assembly at Karolinska Institutet selects 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.

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