

# Karolinska Institutet

is looking for a

## Six Postdoctoral positions

Workplace:	Department of Medicine, Solna
Department / unit or equivalent:	Cardiovascular Research Laboratories, Center for Molecular Medicine,
Form of employment:	Temporary
Scope:	Full-time
Time period:	Two years
Description of the work group/equivalent and its work/focus:	Full-time or as 50% research positions combined with clinical work (although the latter not granted by Karolinska Institutet).

Six postdoctoral positions funded by the Swedish Heart-Lung Foundation are available in the Cardiovascular Research Laboratories at the Center for Molecular Medicine of Karolinska Institutet.

Area of responsibilities/duties:	The Laboratories contain seven research groups working on the role of inflammation in cardiovascular disease. With expertise in molecular medicine, genetics, immunology, microbiology, cardiology and surgery, the Laboratories provide a dynamic and creative environment for translational research in cardiovascular medicine. We are now inviting applications for six postdoctoral fellowships in the following projects:
----------------------------------	---

1. Molecular genetics of cardiovascular disease. This project aims at identifying and elucidating the function of proinflammatory and immunoregulatory genes that modulate atherosclerosis and atherothrombosis.

2. Immunology of atherosclerosis. In this project, experimental mouse models are used to dissect the pathogenesis of atherosclerosis, focusing on the role of adaptive immunity, antigenic specificity, and its regulation.

3. Molecular microbiology of cardiovascular disease. A genomics strategy will be used to identify viral and bacterial genomes in human vascular tissue. The significance of identified microbes will be determined in experimental systems.

4. Cardiovascular bioinformatics. Biobanks containing genomic DNA and mRNA-derived cDNA from patients and controls will be explored to clarify associations between inflammatory and disease-promoting gene expression programs.

5. Proteomics of cardiovascular disease. By using a proteomics approach, inflammatory mediators modulating cardiovascular disease will be identified and novel protein biomarkers of disease discovered and validated.

6. Cardiovascular pharmacology/physiology. This project aims to identify therapeutic strategies by using small molecules that interfere with known signals for inflammation and vascular reactivity

Qualifications:

Candidates should have a PhD in a relevant topic within the last five years, be fluent in English, and express a strong commitment to scientific collaboration and translational medicine. For positions 1 and 3, a background in genomics is desired, for position 2 in immunology, for position 4 bioinformatics, for position 5 protein chemistry/proteomics, and for position 6 pharmacology/physiology.

Contact:

Dr Göran K. Hansson  
goran.hansson@ki.se  
Dr Anders Hamsten  
anders.hamsten@ki.se

Union representatives:

Michael Fored, SACO  
+46-8-517 791 81  
Michael.Fored@ki.se  
Merja Heinonen, OFR  
+46-8-517 753 97  
Merja.Heinonen@ki.se

Application procedure:

Please send your application in English marked with reference number xxx including the following documents:

1. A full CV including date of public defense, title of thesis, previous academic appointments, academic title, current position
2. A full publication list + 2 references
3. A brief outline of previous and current work, including a motivation

Application sent to:

In the first instance to [KI jobb](#) or  
Karolinska Institutet  
Institutionen för medicin, Solna  
Helene Utterberg  
S3:01 Norrbacka  
171 76 Stockholm  
email: , [Helene.utterberg@ki.se](mailto:Helene.utterberg@ki.se)

Last date for applications:

September 1 2008



Karolinska Institutet is one of the leading medical universities in Europe. Through research, education and information, Karolinska Institutet contributes to improving human health. Each year, the Nobel Assembly at Karolinska Institutet awards the Nobel Prize in Physiology or Medicine.

Karolinska Institutet offers 20 training programs in the field of medicine and conducts more than 40% of all medical academic research in Sweden. By being a centre for innovation within life science, Karolinska Institutet contributes to growth in Sweden and the Stockholm region. For more details see [http://info.ki.se/index\\_en.html](http://info.ki.se/index_en.html)

The Department of Medicine at the Karolinska University Hospital in Solna is one of the largest departments at Karolinska Institutet. The core activities of the Department of Medicine are clinical and undergraduate education for medical as well as biomedical students, post-graduate education including at present 190 registered PhD students, and research in different areas of biomedicine.