



THE SAHLGRENKA ACADEMY
INSTITUTE OF MEDICINE

Department of Molecular and Clinical Medicine
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Announcement - scholarship at postdoctoral level

The Department of Molecular and Clinical medicine at the Institute of Medicine hereby announces a scholarship at postdoctoral level in microbiome research.

Plan for advancement

Subject

Investigating if the gut microbiota is altered in cardiometabolic disease.

Background

Up to 90% of the cells in the human body are of microbial origin. We have demonstrated that the gut microbiota may have profound effects on the host and that the composition is associated in cardiometabolic diseases.

Purpose

Here we will identify if the gut microbiota is altered before onset of type 2 diabetes and investigate if specific bacteria and microbially produced metabolites can be linked to different features of cardiometabolic disease

Method

The successful candidate will analyze microbiota in a large prospective cohort and identify how it is associated with different features of cardiometabolic disease. He/she will also investigate which bacteria in the ecosystem that mediates disease promoting/protective features in mice.

Time plan

The first year we will be working on the cohorts and the second analyze bacteria that can cause disease using animal studies.

Outcome

Increased knowledge on how the gut microbiota may contribute to cardiometabolic diseases and also what disease-specific phenotypes that are primarily affected. Furthermore, if successful the candidate should be well-prepared for a future career in academia and/or industry.

Period

2025-03-01 – 2027-02-28

Financing

A total of 644 000 SEK will be paid for the whole period.

If you require any further information, please contact professor Fredrik Bäckhed, fredrik@wlab.gu.se, supervisor.

Application

To apply please fill out the form "Application for a scholarship at postdoctoral level" and send it to professor Fredrik Bäckhed, fredrik@wlab.gu.se, supervisor.

Please attach a copy of your PhD certificate with the application. PhD must be completed within three years of the application deadline.

Closing date is 2024-12-10.