



SAHLGRENSKA ACADEMY INSTITUTE OF BIOMEDICINE

2026-09-19 - Dnr: GU 2026/3070

Announcement of scholarship – postdoctoral fellow

Project title: Mitochondrial DNA replication

Project duration and dates: 2026-10-01 to 2028-09-30

Application deadline: 2026-09-09

Location: University of Gothenburg, institute of Biomedicine, Sweden

Supervisor: Maria Falkenberg

Contact: maria.falkenberg@medkem.gu.se.

A postdoctoral fellow scholarship is available immediately to study mitochondrial DNA replication in the Falkenberg laboratory (<https://falkenberglab.org/>) at the University of Gothenburg.

Project Description

The project will involve studies of human mitochondrial DNA (mtDNA) replication, with a particular focus on the mitochondrial control region (D-loop). The successful candidate will use biochemical, molecular biology and cell biology approaches to investigate the mechanisms regulating mtDNA replication, genome maintenance and mitochondrial gene expression. The project is expected to provide new mechanistic insights into the regulation of mitochondrial DNA and its importance for mitochondrial function and human disease.

Qualifications

A completed doctoral degree is compulsory. The doctoral thesis should be in a relevant area, such as molecular biology, biochemistry, cell biology, genetics or mitochondrial biology. A high level of English communication and writing skills is an important requirement. The candidate is expected to be active in designing and implementing experiments and to collaborate closely with other members of the research group. Experience with molecular biology, protein biochemistry, DNA replication or mitochondrial biology is highly desirable. Experience with mouse genetics and genetically modified mouse models is considered an advantage. Experience with bioinformatics is a merit.

How to apply

Please send your application to maria.falkenberg@medkem.gu.se

- Cover letter giving a description of previous research experience and your motivation for applying for this position
- CV and publication list including contact info
- Copies of relevant degree certificate(s)

For further information about the project and the position, please contact **Maria Falkenberg** at maria.falkenberg@medkem.gu.se. You are welcome with your application.

