

Master's thesis project

at Stem Cell Center in Lund University, Sweden

Lund Stem Cell Center at Lund University is a world-leading center for stem cell research with the mission of transferring basic science findings to the clinic in order to improve human health. Working at the Stem Cell Center also gives you the opportunity to interact with excellent scientists working in diverse stem cell fields.

We are looking for a master's student who aims to do their thesis project in stem cell biology

Project duration

From 10 to 12 months starting in term 2023 autumn – 2024 spring

Topic

Uncovering the critical regulators of the ubiquitin-proteasomal system in leukemia.

Project description

The aim of this project is to identify novel regulators of the ubiquitin-proteasomal pathway in leukemia. The thesis work would focus on identification of genes that are essential for the optimal functioning of the ubiquitin-proteasomal system in leukemic cells. Identified gene candidates will be studied further in the context of determining sensitivity of protein degrader drugs which are currently emerging as alternative therapies for leukemia.

Requirements for candidate

- Experience in vector cloning or cell culturing
- Experience in standard molecular assays (western blot, RT-qPCR and others)
- Fluency in written and spoken English (C1 level)

The project includes

- Gene knockout using CRISPR
- FACS assays
- Gene expression and genome accessibility assays
- Assays related to ubiquitin-proteasome system
- Possibility to work with human hematopoietic stem cells.

Supervisor: prof. Jonas Larsson, MD

Co-supervisor: Agatheeswaran Subramaniam, PhD

More information about the laboratory:

- [On the focus of the Larsson lab](#)
- [Jonas Larsson on Stem Cell Regulators](#)

Funding options

Erasmus internship (flexible application)

Local stipend for a summer project (8 weeks)

You are welcome to suggest other funding options

Housing options

As a visiting researcher you would have a possibility to apply for LU accommodation.

Please send your CV and a motivational letter before **January 10th 2023**

to agatheeswaran.subramaniam@med.lu.se , with topic “Master thesis project”.

You can also contact Agathees for any questions or more information on the position.