

# LiU hereby advertises a Research Preparatory Scholarship in Molecular and Cellular Biology

## Research environment

You will take part in research activities at the Division of Molecular Medicine and Virology (MMV) in the research group of Professor Claudio Cantù.

## Research project

The Cantù Lab at LiU is focused on one important goal: to discover the mechanisms of genome regulation that drive cell differentiation and specialization during embryonic development.

You will become part in the research where we make use of mouse genetics, high-throughput biochemical approaches to discover the composition of signals and the protein “arsenal” that, in each cell type, allows the activation of the correct genes.

Our experimental efforts are focused on the so-called ‘Wnt/ $\beta$ -catenin signalling pathway’, a molecular cascade important for virtually all aspects of development, and whose deregulation causes human malformations and several forms of aggressive cancers, among which colorectal cancer. The project title you will be involved in is “Phenotype-Wide Association Studies of Developmental Genes”.

## Qualifications and requirements

A research preparatory scholarship may only be awarded to individuals who have been admitted to studies on advanced level at LiU. The studies should provide practical experience in research work in order to strengthen the connection between education and research, as well as to encourage future doctoral studies. A study plan needs to be developed and handed in together with the application.

The recipient of the scholarship should be eligible to begin doctoral studies or be expected to meet the eligibility requirements through other studies during the scholarship period, excluding the studies funded by the scholarship. A scholarship for research preparatory purposes may not be awarded to individuals who have already been admitted to doctoral studies.

## Starting date

As soon as possible, preferably September 8<sup>th</sup>, 2025

## Appointment and Conditions

A scholarship for research preparatory education may cover a maximum of 40 weeks per recipient. However, each scholarship decision may only apply to a period of up to 20 weeks.

The scholarship amount is equal to the study grant and loan from CSN, for 2025 3 375 SEK per week.

Note that a Scholar may not receive any additional remuneration (including allowances and other fringe benefits) from the University during the period of the scholarship.

## **Application procedure**

The following documents (in pdf-format) must be submitted when applying for a scholarship

1. Application form
2. Curriculum vitae with relevant copies of reviews
3. Short individual study plan provided by the supervisor (including bibliography)
4. Admission notification to a research preparatory course at Linköping University or another university with which LiU has collaboration, which alone or essentially aims to prepare for graduate studies.
5. Copy of current passport (copy of residence permit for citizens outside of EU)

The application should be sent electronically to [lisa.dobrosch@liu.se](mailto:lisa.dobrosch@liu.se). Mark the email with Dnr. BKV-2025-00591 on subject line.

## **Applications deadline**

September 5<sup>th</sup>, 2025.