PhD student in Medical Science
Linkoping

Ref BKV-2020-01091

Skilled and committed employees are a crucial factor in the success of Linköping University. And we need more of them. Our core expertise comes from teachers and researchers, but a successful university requires experienced and motivated employees in many fields. Everyone is important. We need to recruit many new employees thanks to, among all, an expansion in our research activity. We need you here. We look forward to receiving your application!

The Department of Biomedical and Clinical Sciences is one of the university’s largest departments, with operations mainly in the Faculty of Health Sciences.

Our aim is to engage in medical and biomedical education and research of high international standing. At undergraduate level the department is responsible for most of the medical program, the speech and language pathology program and the biomedical program. For more information about the Department of Biomedical and Clinical Sciences, please follow: https://liu.se/en/organisation/liu/bkv

LINKÖPING UNIVERSITY
Hereby advertises a position as PhD student in Medical science formally based at the Department of Biomedical and Clinical Sciences (BKV).

Duties
As a PhD student you will primarily devote yourself to your research. As a PhD student you are limited to work with education and administration up to 20 percent of full time.

We are seeking a PhD student to participate in the project: “Deubiquitinases (DUBs) in Health and Disease”

Maintenance of protein homeostasis is a crucial process for the normal functioning of the cell. The regulated degradation of proteins is primarily facilitated by the ubiquitin proteasome system (UPS), a system of selective tagging of proteins with ubiquitin followed by proteasome-mediated proteolysis. The UPS is highly dynamic consisting of both ubiquitination and deubiquitination steps that modulate protein stabilization and degradation. Deregulation of protein stability is a common feature in the development and progression of numerous cancer types. Deubiquitinases (DUBs) are enzyme components of the UPS that catalyze re-editing of poly ubiquitin chains and/or removal of ubiquitin from target substrates leading to alterations in protein stability and/or downstream signaling. The project will involve the investigation of DUBs both on a cellular and biophysical level.
Qualifications
Qualified to PhD studentships are only those who are or have been admitted to graduate studies. We are now looking for someone who has a master's degree in Protein Science or equivalent.

Applicants need to have a strong background in protein chemistry and cell biology. This includes experience working with tissue culture as well as recombinant protein production and purification. Theoretical and practical knowledge of biophysical techniques (to study structure, stability and interactions) such as CD spectroscopy, NMR spectroscopy and ITC is a merit.

The employment requires that you can communicate in English, both orally and in writing.

As a person, you take the initiative for activities and achieve results. You are careful and well aware of goals and quality standards and attach importance to these being met. The work also requires that you enjoy working individually with complex issues and analyzes as well as part of a multi-disciplinary team.

Appointment time
The appointment will be until further notice for a maximum of one year at a time. A doctoral student may not be employed during a period not exceeding eight years. The total time of appointment must not exceed the equivalent of four years full time research training.

Starting date
By agreement.

Salary
The salary for PhD students is based on the department’s salary scale.

Union representatives
Information about union representatives, see Help for applicants.

Application procedure
Apply for the position by clicking the “Apply” button below. Your application must be received at latest December, 11th 2020.

Applications and documents received after the date above will not be considered.

Equal opportunities
Linköping University will continue to develop as an attractive and creative place of work, characterized by equal terms and actively works for equality and diversity.

We look forward to receiving your application!

Linköping university has framework agreements and wishes to decline direct contacts from staffing- and recruitment companies as well as from vendors of job advertisements.
**Contact person**

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