

LiU hereby advertises a Postdoctoral Scholarship in Medicine and Health Science

Do you have multidisciplinary expertise, particularly in molecular and behavioral aspects, including knowledge of brain circuits and animal models of anxiety? In that case, we want you to join [Estelle Barbier's group](#) at the Center for Social and Affective Neuroscience (CSAN) at Linköping University, Department of Biomedical and Clinical Sciences (BKV).

Our lab offers all commodities for state-of-the-art molecular biology and behavioral research. We offer an international, young research environment with regular seminars and invited guest speakers. The candidate will work closely with other lab members at CSAN.

Research project

The successful candidate will lead a project where we investigate the neural mechanisms underlying fear responses acquired through observation, known as vicarious or observational fear.

You will be in charge of

- Performing behavioral testing
- Design and performance of studies to assess the functional role of candidate brain circuits in observational fear (optogenetic, viral vector, and chemogenetic DREADD-based approaches)
- Performing molecular and biochemical techniques and analyses
- Transcriptomic analysis

Qualifications and requirements

Scholarships can only be awarded to foreign citizens with a doctoral degree or equivalent obtained in a country other than Sweden. The date of the doctoral degree must be no more than four years before the application deadline. The applicant must not have been employed by Linköping University previously.

Scholarship may not consist solely of research collaboration with a mutual exchange of methodological and technical expertise but must also contain a well-defined training element and a qualification plan must be established for the scholarship period.

The applicant must have:

- PhD in cell biology, molecular biology, or related field
- Excellent skills in basic molecular biology and biochemical techniques, including immunoblotting, (q)PCR, (co-)immunoprecipitation, microscopy and epigenetics
- Very good written and spoken English language skills

- Working experience with tissue processing and handling
- Excellent skills in rat behaviors testing (fear conditioning)
- Ability to independent thinking and proactiveness

Additional skills:

- Working experience with high-throughput assays such as RNA sequencing is a bonus
- An additional asset would be proficiency in bioinformatics skills (Deeplabcut, sequencing analysis)
- Ability to work in a team

Starting date

April 1st, 2025.

Appointment and Conditions

Appointment is for one year with the potential to extend for additional months up to a maximum of a total of two-year scholarship period.

The scholarship amounts to SEK 28,500:-/month (tax-free) (~€ 2,650/month).

Travel costs to/from Sweden for a scholarship holder will be covered up to a maximum amount. Funding can be available to participate in conferences.

Essential information about healthcare, insurances etc. can be found [here](#).

Questions are welcome to lisa.dobrosch@liu.se

Application procedure

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

1. Cover letter, max 1 page, describing your background, research interests and what makes you interested in the fellowship.
2. Qualification plan, max 1 page, describing clearly what qualifications you want to obtain during the scholarship period.
3. CV, max 4 pages, including contact details to three reference persons.
4. Full publication list.
5. Copy of passport, PhD diploma, and MSc transcripts with grades.

The application should be sent electronically to lisa.dobrosch@liu.se. Mark the email with Dnr. BKV-2025-00167 on subject line.

Applications deadline

March 23rd, 2025.