LiU hereby advertises a Postdoctoral Scholarship in Behavioral and Systems Neuroscience

Research environment

You will take part in research activities at the Calvigioni laboratory, part of the Center for Affective neuroscience (CSAN), Department of Biomedical and Clinical Sciences (BKV), Linköping University.

Research project

Experience shapes how the brain encodes emotional and social information, influencing behavioral states and long-term vulnerability. This project investigates how **neuromodulators mediate experience-dependent adaptation in socioaffective circuits** across development and adulthood, revealing mechanisms through which the developing brain builds resilience—or susceptibility—to affective disorders.

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, exceptions are made for e.g. parental or sick leave. 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 or be about to receive a doctoral degree in a subject relevant to the research project.

Required qualifications and skills

- PhD (or equivalent) in Neuroscience, Behavioral Sciences, or a closely related field
- Strong expertise in rodent behavioral neuroscience, including social and affective behavior paradigms
- Proven experience with stereotaxic surgeries, viral vector delivery, and chemogenetic or optogenetic circuit manipulation
- Research experience involving receptor ablation or similar developmental manipulation models

- Demonstrated ability to design, validate, and analyze behavioral paradigms assessing socioaffective or cognitive functions
- Solid understanding of neuromodulatory and cortical circuit mechanisms (e.g., dopamine, serotonin)
- Proficiency in data analysis and statistics applied to behavioral and physiological datasets
- Excellent scientific writing and communication skills in English

Meriting skills

- Familiarity with immunohistochemistry, confocal microscopy, and tissue processing for circuit analysis
- Understanding of computational behavioral analysis (e.g., DeepLabCut, machine learning–based tools)
- Experience working with developmental, early-life, or stress-based models of vulnerability and resilience
- Evidence of international research experience, including fellowships or travel grants
- Strong motivation to work in a multidisciplinary environment integrating molecular, circuit, and behavioral neuroscience

Starting date

February, 2026

Appointment and Conditions

Appointment is initially for one year with a possibility of an extension up to a total time for receiving a scholarship from Linköping University which cannot exceed two years.

The scholarship amounts to SEK 28,500:-/month (tax-free) (~€ 2,650/month). 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-2025-00801 on subject line.

Applications deadline

November 14, 2025