

LiU hereby advertises a Postdoctoral Scholarship in Forensic Toxicology

Research environment

You will take part in research activities at the [Division of Clinical Chemistry and Pharmacology \(KKF\)](#), the [Strategic Research Area in Forensic Sciences \(SoFo\)](#), and at the collaborating laboratory of Forensic Genetics and Forensic Toxicology at the National Board of Forensic Medicine (NBFM).

Research project

This project is a substudy to the ongoing forensic psychiatric umbrella study "The association between mental disorder, type of crime and relation to the victim: a consecutive study of mentally disordered violent offenders undergoing a forensic psychiatric assessment" led by Professor Peter Andiné. The substudy involves hair sampling and analysis to investigate compliance in medication and drug use patterns led by Dr Robert Kronstrand and co-ordinated by Dr Gerd Jakobsson.

The overall aim of the project is to investigate compliance in medication and drug use patterns in offenders at the time of a violent crime through hair analysis. The objectives are (I) to develop and validate a quantitative method for a number of neuroleptics (N05A), sedatives (N05B, N05C) as well as drugs of abuse and (II) to analyze study samples and investigate the role of drug use and non-compliance in violent crimes.

In addition to this project specific objectives the visit at Linköping University in the Strategic research area and at the National Board of Forensic Medicine will broaden and deepen the applicant's insight into forensic toxicology and present a possibility to engage with many other researchers.

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.

The applicant must have experience of method development and validation for drugs in hair samples.

Additional skills: Experience with liquid chromatography mass spectrometry for the quantitative analysis of drugs of abuse or pharmaceuticals in biological specimens. Experience from working in a forensic toxicology laboratory.

Starting date

September 1st, 2025

Appointment and Conditions

Appointment is initially for ten months 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-2024-00029 on subject line.

Applications deadline

June 8th, 2025.