



Research student in protein biochemistry (artificial spider silk)

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Department of Anatomy, Physiology and Biochemistry

The Department of Anatomy, Physiology and Biochemistry (www.slu.se/en/departments/anatomy-physiology-biochemistry/) is part of the Faculty of Veterinary Medicine and Animal Science and is responsible for undergraduate education, research and postgraduate education in the subjects anatomy and histology, physiology and biochemistry. The research that is conducted ranges from molecular and cellular mechanisms to the structure and function of the entire animal.

The research group in protein biochemistry consists of a professor and a doctoral student and two postdocs working at SLU, as well as a doctoral student, a postdoc, two technicians and a researcher working at Karolinska Institutet. The research group is innovative and has published several articles in highly ranked journals and has received prestigious grants. We work with spider silk biology, protein biochemistry, artificial spider silk production and tissue engineering, see our website: www.slu.se/en/ew-cv/anna-rising/

We are looking for a research student for a project in protein engineering and the production of artificial spider silk. The work consists of designing protein, cloning, expressing protein in *E.coli*, then purifying and characterizing these. In our spinning machine, you will then spin threads that are examined for structure and tensile strength. The applicant should have a great interest in protein biochemistry.

Teaching in biochemistry at the undergraduate level corresponding to 20% is included in the position.

Qualifications:

Master in molecular biology, biotechnology, biomedicine, medicine, veterinary medicine, biochemistry or similar.

Fluent English in speech and writing is a requirement.

Great emphasis will be placed on personal qualities such as a positive attitude and a genuine interest in research.

Place of work:

Ultuna, Uppsala

Forms for funding or employment:

Employment 2 years with the possibility of extension.

Starting date:

According to agreement.

Application:

Click the “Apply” button to submit your application. The deadline is 2022-05-15.

To qualify for third-cycle (Doctoral) courses and study programmes, you must have a second-cycle (Master’s) qualification. Alternatively, you must have conducted a minimum of four years of full-time study, of which a minimum of one year at second-cycle level.

Applicants will be selected based on their written application and CV, degree project, copies of their degree certificate and transcript of records from previous first and second-cycle studies at a university or higher education institution, two personal references, and knowledge of English. More information about the English language requirements can be found here: www.slu.se/en/education/programmes-courses/doctoral-studies/new-doctoral-students/english-language-requirements/

Please note that applicants invited to interview must submit attested copies of their degree certificate, a transcript of records from previous first and second-cycle studies at a university or higher education institution. Applicants who are not Swedish citizens need to submit an attested copy of their passport’s information page containing their photograph and personal details.

Read about the PhD education at SLU at www.slu.se/en/education/programmes-courses/doctoral-studies/

Academic union representatives:

<https://internt.slu.se/en/my-employment/employee-associations/kontaktpersoner-vid-rekrytering/>

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SLU has just over 3,000 employees, 5,000 students and a turnover of SEK 3 billion. The university has invested heavily in a modern, attractive environment on its campuses.

www.slu.se

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