



# PhD position in Medical mass spectrometry

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Uppsala University is a comprehensive research-intensive university with a strong international standing. Our mission is to pursue top-quality research and education and to interact constructively with society. Our most important assets are all the individuals whose curiosity and dedication make Uppsala University one of Sweden's most exciting workplaces. Uppsala University has 44.000 students, 7.100 employees and a turnover of SEK 7 billion.

*Department of Pharmaceutical Biosciences has 140 employees and a number of visiting researchers and fellow students. The department has twelve research groups with a common administration and we are doing research and teaching in pharmaceutical cell biology / biochemistry, pharmacology, pharmaceutical and drug addiction, pharmacotherapy, pharmacokinetics, pharmacometry, clinical pharmacy, bioinformatics, imaging mass spectrometry, molecular neuropharmacology, immunology, biological drugs / biotechnology as well as toxicology and drug safety. More information about the department and its activities can be found at [www.farmbio.uu.se](http://www.farmbio.uu.se).*

**Research group** in Medical mass spectrometry.

**Duties/Project description:** We will develop methods to characterize molecular interactions between secreted neuropeptides, peptide hormones and their cognate receptors with mass spectrometry.

You are expected to conduct advanced research within medical mass spectrometry, by construction of novel interfaces that enable studies of ligand–receptor interactions, both with quantitative and qualitative analysis. You will work with biological cells for overexpression of target membrane proteins such as G-protein coupled receptors and ion channels. This is an important part of the project to increase our knowledge about the structure–function relationship of these receptors. Instrumentally the project will be conducted on nanoLC/CE-ESI-MS in combination with molecular labeling such as HDX.

This project is financed by the Swedish Research Council with the long-term aim to generate novel biological therapeutics.

**Requirements:** Suitable background is a degree from the program in chemistry or biology, engineering program in chemistry or biotechnology, pharmacist or other similar training (at least 240 credits).

Information about research-level education, eligibility requirements, and admission regulations can be found at <http://www2.medfarm.uu.se/utbildning/forskarniva/>.

Applicants will be ranked by the supervisor in consultation with the Department Research Education group. The Committee for Research Education at the Disciplinary Domain of Medicine-Pharmacy will admit the PhD student. Salaries will follow local guidelines at Uppsala University.

Rules governing PhD candidates are set out in the Higher Education Ordinance Chapter 5, §§ 1-7 and in Uppsala university's rules and guidelines [http://regler.uu.se/search/?hits=30&languageId=1&search-language\\_en=English](http://regler.uu.se/search/?hits=30&languageId=1&search-language_en=English). The holders of PhD student position primarily devote their time to own research-level education. Other duties at the Department involving teaching and administrative tasks maybe included in the framework of the position (max 20%). The PhD program normally lasts for 4 years research, plus maximally one year of teaching.

**Application:** The application should include a brief description of research interests and relevant experience, a CV, copies of diplomas and certificates, thesis as well as other relevant documents that the applicant wish to refer to. The application should be written in English.

Uppsala University strives to be an inclusive workplace that promotes equal opportunities and attracts qualified candidates who can contribute to the University's excellence and diversity. We welcome applications from all sections of the community and from people of all backgrounds.

**Salary:** According to local agreement for PhD students and teaching assistants.

**Starting date:** By agreement. Temporary position.

**Type of position:** Full time position.

**For further information about the position,** please contact Erik Jansson, phone +46 018-471 44 46.

**For questions around the employment, please contact** administrative coordinator Marina Rönngren, e-mail [marina.ronngren@farmbio.uu.se](mailto:marina.ronngren@farmbio.uu.se).

**Please submit your application by May 3, 2019. UFV-PA 2019/1278.**

Are you considering moving to Sweden to work at Uppsala University? If so, you will find a lot of information about working and living in Sweden at [www.uu.se/joinus](http://www.uu.se/joinus). You are also welcome to contact International Faculty and Staff Services at [ifss@uadm.uu.se](mailto:ifss@uadm.uu.se).

Placement: Medicinsk masspektrometri

Type of employment: Full time , Temporary position longer than 6 months

Pay: Fixed salary

Number of positions: 1

Working hours: 100 %

Town: Uppsala

County: Uppsala län

Country: Sweden

Union representative: Seko Universitetsklubben [seko@uadm.uu.se](mailto:seko@uadm.uu.se)

ST/TCO [tco@fackorg.uu.se](mailto:tco@fackorg.uu.se)

Saco-rådet [saco@uadm.uu.se](mailto:saco@uadm.uu.se)

Number of reference: UFV-PA 2019/1278

Last application date: 2019-05-03

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