PhD student in Prokaryotic Transcription & Translation

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 46,000 students, 7,300 employees and a turnover of SEK 7.3 billion.

The Department of Cell and Molecular Biology is one of the most international, broad and distinguished molecular bioscience departments in Europe. The department comprises six research programs with about 130 employees (http://www.icm.uu.se). This PhD position will be in Prof. Anthony Forster’s laboratory (https://www.icm.uu.se/molecular-biology/forster-lab/) within the Molecular Biology research program.

**Duties/Project description:** The Forster lab has published synthetic *E. coli*-based systems that revealed surprising properties, such as (i) unnatural amino acids with unexpected rate-limiting steps in ribosomal incorporation (translation), and (ii) small transcription terminators that functioned *in vitro* but not *in vivo*. The goal of this project is to elucidate the fundamental underlying mechanisms in prokaryotic transcription and translation, and exploit this knowledge for future engineering of bacterial systems.

The Ph.D. student shall primarily focus on postgraduate studies, but other duties related to teaching and administrative work may be involved, up to a maximum of 20% of the time. Information about doctoral education, eligibility requirements and admission rules can be found at the faculty website, http://www.teknat.uu.se/utbildning/utbildning-pa-forskarniva/.
**Requirements:** The applicant must have a master's degree in biochemistry, biology or in another subject which the employer considers to be equivalent. The applicant must, for example, have good ability to work independently as well as in a group. A prerequisite is good written and oral knowledge in English, as the work takes place in an international environment.

**Additional qualifications:** Practical research experience and publications in prokaryotic transcription and translation are highly meritorious.

Rules governing PhD students are set out in the Higher Education Ordinance chapter 5, §§ 1-7 and in Uppsala University's rules and guidelines [http://regler.uu.se/?languageId=1](http://regler.uu.se/?languageId=1).

Your application must include:

- A personal letter where you describe yourself, your research interest, your experiences and why you are interested (max. 1 A4 page).
- A CV containing your education and other qualifications, copy of diplomas and list of publications.
- Contact information for prior research supervisors.

**Salary:** According to local agreement for PhD students.

**Starting date:** 01-01-2021 or as otherwise agreed.

**Type of employment:** Temporary position according to the Higher Education Ordinance chapter 5 § 7.

**Scope of employment:** 100 %.

**For further information about the position please contact:** e-mail Prof. Forster at a.forster@icm.uu.se. For administrative questions contact HR-generalist Mathilda Olsén, tel. +46 (0)18-471 4565, e-mail personal@icm.uu.se.

**Please submit your application by 17 November 2020, UFV-PA 2020/4090.**
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. You are also welcome to contact International Faculty and Staff Services at ifss@uadm.uu.se.

Please do not send offers of recruitment or advertising services.

**Submit your application through Uppsala University’s recruitment system.**

Placement: Department of Cell and Molecular Biology  
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: ST/TCO tco@fackorg.uu.se  
Seko Universitetsklubben seko@uadm.uu.se  
Saco-rådet saco@uadm.uu.se  
Number of reference: UFV-PA 2020/4090  
Last application date: 2020-11-17

**Login and apply**