PhD student in Microbial community ecology

Uppsala University is a comprehensive research-intensive university with a strong international standing. Our ultimate goal is to conduct education and research of the highest quality and relevance to make a long-term difference in 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 over 45,000 students, more than 7,000 employees and a turnover of around SEK 7 billion.

The Department of Ecology and Genetics is an international environment with staff and students from all over the world. Our research spans from evolutionary ecology and genetics to studies of ecosystems. For more information, see www.ieg.uu.se. A PhD student position in Microbial community ecology is available at the Department of Ecology and Genetics, Limnology.

The limnology programme includes 3 major, highly interactive and collaboration research groups: microbial ecology, population and community ecology and biogeochemistry. See https://www.ieg.uu.se/limnology/

Project description: It is well known that different ecosystems are connected to each other through transport of energy and matter, which in turn affects the functioning of ecosystems. It is however, less investigated is how dispersal of living organisms affects ecosystems, not primarily due to their functions, but rather because of the matter they transport between ecosystems. This project focuses on the dispersal of bacteria between ecosystems, and their importance as a food source for higher trophic levels. One hypothesis to be tested is that the importance of bacteria as a food source depends on their food quality, for instance related to their elemental stoichiometry. The project consists of field work as well as laboratory experiments. The project is financed by the Swedish Research Council.

Qualifications required: To be eligible for a PhD-student position the applicant must hold a master degree (or equivalent) in Limnology, Ecology, Microbial ecology or
something similar. To be qualified, candidates should have knowledge and experience in the fields of community ecology and/or microbial ecology. Emphasis will be placed on the candidates’ personal suitability, including independence and teamwork skills. Candidates must be able to express themselves very well in spoken as well as written English.

**Qualifications desired:** Previous experience from practical work in lab and field, including experimental and microbiology methods such as microscopy, flow cytometry, cultivation, stoichiometric analyses, and molecular characterization of microbial communities. Theoretical knowledge of metacommunity and metaecosystem ecology. Knowledge and experience of statistical methods such as multivariate methods and bioinformatics.

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

**Starting date:** As agreed.

**Type of employment:** Temporary position according to the Higher Education Ordinance chapter 5 § 7. The graduate program covers four years of full-time study. The position can be combined with teaching or other duties at the department (maximum 20%), which prolongs the employment with the corresponding time. The salary will be set according to local agreements. 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). More information about postgraduate studies at Uppsala University is available at [http://www.teknat.uu.se/education/postgraduate/](http://www.teknat.uu.se/education/postgraduate/).

**Scope of employment:** 100%.

**For further information about the position please contact:** Professor, Eva Lindström Eva.Lindstrom@ebc.uu.se.

**Application:** The application should include 1) a letter of intent describing yourself, your research interests and motivation of why you want to do a PhD, and why you are suitable for the position, 2) your CV, 3) a short description of your education, 4) a
copy of your master degree, your course grades and a copy of your master thesis, 5) the names and contact information to at least two reference persons (e-mail address and phone no.), and 6) publications produced The application should be written in English.

You are welcome to submit your application no later than 1 April 2021, UFV-PA 2021/759.

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 Ecology and Genetics
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 2021/759
Last application date: 2021-04-01

Login and apply