PhD student in evolutionary genetics in fungi

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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 Organismal Biology (IOB) teaches and explores the evolution, development and function on the organismal level. For more information see www.iob.uu.se.

**Duties/Project description:** This PhD project aims to elucidate the determinants of mutation rates in eukaryotes. Mutation is the ultimate source of genetic variation among and within species. Hence, the mutation type, rate and fitness effect are critical parameters for understanding adaptation and species diversification. At the same time, mutations have important medical implications, being a critical factor for, e.g., ageing and the dynamics of cancer cell development. An organism’s combination of basic biological traits, such as cell fate and longevity, is predicted to determine the ability of mutations to accumulate and transmit over generations, but the mutational processes and factors driving their variation are still poorly understood. The PhD-project will be planned and developed after the interest of the candidate, and may include experimental and/or bioinformatic approaches.

**Requirements:** Completed university education of 240 university points (högskolepoäng, hp) out of which 60 hp on advanced level corresponding to master degree in relevant field. The ideal candidate is highly motivated with thorough education and strong interest in evolutionary genetics/genomics, phylogenetics and/or population genetics. Good knowledge of English in speech and writing. Great
emphasis is placed on personal qualities such as planning and organizational skills, accountability and accuracy.

**Additional qualifications:** In filling this position, the university aims to recruit the person who, in the combined evaluation of competence, skills and documented qualifications, is judged most suitable to carry out and develop the work-in-hand and to contribute to a positive development of the department.

**Position:** The PhD-student position is a 4-year appointment, and the candidate will primarily devote the time to his/her own research studies. Other departmental work, such as teaching or administration can be part of the position (maximum 20 %). Salary placement is in accordance with local guidelines at Uppsala University. The applicant must be eligible for PhD studies at Uppsala University.

Information about research education can be found at the web site of the Faculty of Science and Technology, [http://www.teknat.uu.se/Doktorand/](http://www.teknat.uu.se/Doktorand/).

**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, 2) a short description of your education, 3) a CV, 4) a copy of your master degree and course grades, 5) the names and contact information (address, email address, and phone number) of at least two reference persons, 6) relevant publications (including master thesis). The application should preferably be written in English.

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).

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

**Starting date:** 15-03-2021 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: Hanna Johannesson
Hanna.Johannesson@ebc.uu.se.

Please submit your application by 19 of February 2021, UFV-PA 2021/116.

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 Organismal 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 2021/116
Last application date: 2021-02-19

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