

PhD student in Systematic Biology/Mycology

This add is for a PhD student to join Martin Ryberg's research group at the Evolutionary Biology Center, Uppsala University, Uppsala, Sweden. Ryberg's group is working on different aspects of fungal ecology and evolution and with many national and international collaborations.

Project description: The PhD position is part of a project to investigate the origins and diversification of ectomycorrhizal fungi. These fungi contribute to major ecosystem functions by providing plants with nutrients and water in exchange for energy-rich carbon compounds, and ectomycorrhizal fungi constitutes about 8% of all known fungal species (including many choice edibles). The project will study when ectomycorrhiza evolved in fungi, the process with which it has evolved, how biogeographical processes differ between ectomycorrhizal and non-ectomycorrhizal fungi, and processes shaping the phylogenetic diversity of ectomycorrhizal communities. The investigations will include comparative genomics, biodiversity informatics, and applied phylogenetics methods. The exact questions of the PhD-work will be developed in collaboration with the supervisor based on the applicants qualifications and interests.



Qualifications: To be eligible for a PhD-student position the applicant must hold a master degree (or equivalent) in a relevant field. The ideal candidate is highly motivated with education/experience in mycology, bioinformatics, phylogenetics and/or molecular lab-work. Candidates must be fluent in English.



Type of employment: The PhD student position is for 4 years. The position may include up to 20% teaching which will then extend the position with the corresponding amount of time.

How to apply: The application should include 1) a letter of intent describing yourself, your research interests, why you want to do a PhD, and why you are suitable for the position 2) a CV, 3) a copy of your master degree, 4) the names and contact information (address, email address, and phone number) of at least two references, 5) relevant publications (including master thesis). The application should be written in English.

Applications should be submitted through the Uppsala University application system. Full add and link to application system is available at:

<http://uu.se/en/about-uu/join-us/details/?positionId=130647>

Closing date for application: 2017-02-28

For further information about the position please contact Dr. Martin Ryberg, martin.ryberg@ebc.uu.se, +46 18 471 2647.