



Post-doc position in fungal systematics at Swedish Museum of Natural History

A one-year postdoctoral position is available in the Botany Department at the Swedish Museum of Natural History. The position could possibly be extended for 2 years. The project, which is led by Dr. Karen Hansen, is funded by the Swedish Taxonomy Initiative at the Swedish Species Information Centre.

A new generic classification for the Pezizaceae (Pezizales, Pezizomycetes)

In this project we study the family Pezizaceae, with a focus on the large polyphyletic genus *Peziza*. These fungi are highly diverse in morphology and ecology, including saprobic and ectomycorrhizal species. Our previous studies have clarified relationships within Pezizaceae, but crucial nodes in the phylogeny remain poorly supported and clades are still insufficiently sampled, which has hampered the construction of a natural generic classification. *Peziza* has never been monographed and species limits are highly problematic. Identification keys are inadequate and often lead to erroneous determinations. These fungi are poorly understood worldwide. The central goal of the project is to produce a comprehensive multi-gene phylogeny of Pezizaceae by expanding taxon sampling and molecular data, to serve as a solid base for a new classification. Using the phylogenetic hypothesis, and morphological and ecological/biological features, we will diagnose and describe monophyletic genera, applying existing or new names. Species delimitation will be addressed in certain problematic lineages. The project will be based on existing material, and additional material from field trips to be conducted in Sweden and in species rich areas elsewhere in Europe.

Qualifications

Applicants have a PhD in fungal systematics/phylogenetics, preferable with experience in various phylogenetics and species delimitation methods, taxonomy and nomenclature, including description and photographing fungi. A documented publication record, as well as fluent English speaking and writing skills, are expected. Good knowledge in molecular lab work and light microscopy techniques are required. Experience in conducting fieldwork is also an advantage.

The starting date is flexible, but the postdoctoral should preferably be in place by August/September 2019, although an earlier start date is possible. The appointment is for 1 year to be extended to 3 years. The employment will either be as Postdoc or Researcher, depending on whether the applicant was awarded his/her PhD degree less or more than three years before the application deadline.

Location: Stockholm (Sweden)

For more information, please contact Dr. Karen Hansen, Department of Botany (Karen.hansen@nrm.se). Union representatives are Mia Ehn (Saco-S) and Anna Sandberg (ST). All can be reached at phone +46 8-519 540 00.

Your application should include a cover letter outlining relevant background, motivation, and experience in the areas outlined above. Your curriculum vitae should include a list of publications, and contact information for two references.

The complete application (in Swedish or English) must be submitted to rekrytering@nrm.se or to the Swedish Museum of Natural History, Box 50007, SE-104 05 Stockholm, Sweden no later than **April 15, 2019**. Mark your application with **dnr 2.3.1-104-2019**.