



The Department of Biodiversity, Macroecology and Biogeography at the Georg-August-University Göttingen (Germany) invites applications for a:

1 year postdoc in plant ecology

We are offering a DFG-funded position in the Biodiversity, Macroecology and Biogeography working group (uni-goettingen.de/biodiversity) to study how orchid-mycorrhizal fungi interactions drive orchid spatial patterns across islands for a period of one year. The salary is defined according to the German public service salary E13 TV-L scale (100 %). The position should be filled as soon as possible. The Biodiversity, Macroecology and Biogeography groups research aims at understanding biodiversity patterns at different spatial scales and at understanding how natural drivers and human activities affect them. We are a highly diverse group, consisting of 10+ nationalities, although English is the official group language. We see our diversity and inclusiveness as a key strength in our success. All genders are welcome.

Project description: Species interactions are among the most important forces structuring ecological communities and are fundamental to the maintenance of species diversity. We seek to address how the highly specialised symbiosis between orchids and mycorrhizal fungi (OMF) influences orchid spatial patterns across islands. We have sequenced DNA of 400 orchid individuals across the Canary Island archipelago to identify the composition and abundance of OMF. In addition, we have sampled soil environmental characteristics (pH, nitrogen etc.) at sites with and without orchids, including OMF communities free-living in the soil. In short, all data is collected and is ready to be analysed and written up.

Your tasks:

- The successful candidate will process OMF DNA sequences using bioinformatics pipelines and align sequences to phylogenetically related taxonomic units.
- Leading publications, including collaborating with international colleagues.

Qualifications:

- Applicants should hold a PhD degree in ecology or a closely related field.
- Advanced knowledge in running bioinformatics pipelines.
- Advanced knowledge in data processing and analysis in the statistical software R.
- Excellent communication and writing skills in English.
- Experience in writing and leading manuscripts.
- Willingness to work and collaborate in an international, interdisciplinary research team.
- Strong interest in island biology, biogeography, and species interactions.

The University of Göttingen is an equal opportunities employer and places particular emphasis on fostering career opportunities for women. Qualified women are therefore strongly encouraged to apply in fields in which they are underrepresented. The university has committed itself to being a family-friendly institution and supports their employees in balancing work and family life. The mission of the University is to employ a greater number of severely disabled persons. Applications from severely disabled persons with equivalent qualifications will be given preference.

Your application should include a letter of motivation (max. 1 page), CV including publications, copy of PhD certificate, names and email addresses of two academic referees. The documents are to be submitted as a single PDF file using the online submission portal of the University of Göttingen: **Follow this [link](#).**

Applications close **February 10th 2023**. Zoom interviews will be held during the week **20-24th February**.

If you have any questions, please contact: Dr. Amanda Taylor, E-Mail: amanda.taylor@uni-goettingen.de
For more information about the group visit: <http://www.uni-goettingen.de/en/128741.html>

Please note: With submission of your application, you accept the processing of your applicant data in terms of data-protection law. Further information on the legal basis and data usage is provided in the [Information General Data Protection Regulation \(GDPR\)](#)