

The University of Göttingen is a globally recognized research university and occupies a top position among universities. The Department of Forest Nature Conservation at the University of Göttingen is offering a

Postdoctoral position (f/m/d)

The application deadline is July 15, 2022, and the position is available for 4 years starting 1st October 2022. The salary is based on **13 TV-L (100%: 39.8 hours/week)**.

We are seeking a highly motivated candidate to conduct ecological synthesis work on biodiversity, trophic interactions and ecosystem functioning the new **Research Unit *MultiTroph* “Multi-trophic interactions in a forest biodiversity experiment in China”** funded by the German Research Foundation (DFG). The Research Unit *MultiTroph* is part of the Biodiversity-Ecosystem Functioning China (BEF-China) research platform. The platform was established in 2008 by Chinese, German and Swiss researchers (<https://bef-china.com>) and comprises the worldwide largest tree diversity experiment. *MultiTroph* aims to identify mechanisms underlying the relationships between biodiversity and ecosystem functions across different trophic interactions along the experimental tree diversity gradient of BEF-China. The ultimate goal is to connect the different interaction types to large food webs in the context of tree diversity loss, for which the postdoctoral position plays a key role.

Your tasks will be to:

- develop and conduct synthesis connecting *MultiTroph*'s subprojects based on available and newly generated data linking ecological network structure, multidiversity and multifunctionality across time, space and trophic levels. For example, generalized multilevel path analysis will be applied to quantifying total energy flow and storage across trophic levels, based on extensive data on ecosystem process rates in a unique framework allowing you to combine new research ideas with legacy data from past observations over different spatial and temporal scales.
- publish synthesis results in high-impact journals,
- co-ordinate collaboration with *MultiTroph*'s subprojects and Chinese partner projects,

Your profile:

- Completed scientific university education with an excellent Master in Ecology, Biology, or a related discipline
- Highly qualified PhD degree in Ecology, Biology (with an ecological focus) or a related scientific discipline
- Research experience in biodiversity-ecosystem functioning research, preferably with previous experience in the synthesis of complex datasets
- Advanced skills in ecological statistics (including linear mixed models and SEM, preferably in R) and knowledge of ecological network analysis
- Excellent scientific writing skills and proven ability to successfully publish and present scientific results in an international context
- High motivation to work and communicate in an interdisciplinary and international research team
- Fluency in written and spoken English, and the motivation to acquire basic German language skills

Submit your application until **July 15, 2022** using the link provided below. Applications should include a 1-2 page letter of motivation, a full academic CV including a list of publications, 1-page summary of your PhD thesis, copies of relevant certificates and names of two references. All applications should be made in English.

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.

Please upload your application in one pdf file including the usual documents until July 15, 2022 on the application portal of the university using this link <http://obp.uni-goettingen.de/de-de/OBF/Index/72681>.

For more information get in touch with Andreas Schuldt directly via E-Mail: andreas.schuldt@forst.uni-goettingen.de.

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 Hinweisblatt zur Datenschutzgrundverordnung (DSGVO)