

## **WE ARE HIRING!**

Interested in temperate forest ecosystems & ecology?  
We might have great opportunities for you!

**3 x PhD positions (TV-L E13 - 65%) in forest sciences (d/f/m)**

### **Studying the sustainable future potential of Douglas-fir and silver fir admixtures in beech forests**

#### **Project background:**

- ❖ Extreme weather conditions are challenging forests around the world. One way to face the challenges is to diversify the forest tree species composition to increase the future resilience of the forest stands. However, changing the species composition is always accompanied by changed ecosystem characteristics.
- ❖ This project aims to support the adaptation process of managed forests towards sustainable species compositions by investigating specific key issues of forest stability and biodiversity.
- ❖ The research project comprises 3 sub-projects with 1 PhD position each. The subprojects will be working together closely.

#### **Who we are:**

- ❖ Professorship for Forest and Agroforest Systems, Technical University of Munich (TUM), [fafs.wzw.tum.de](http://fafs.wzw.tum.de)
- ❖ Terrestrial Ecology Research Group, Technical University of Munich (TUM), [toek.wzw.tum.de](http://toek.wzw.tum.de)
- ❖ Animal Ecology Group, University of Göttingen (UGOE), [uni-goettingen.de/en/107728.html](http://uni-goettingen.de/en/107728.html)

#### **What we offer:**

- ❖ An innovative working environment at the university
- ❖ Access to modern facilities and infrastructure at a strong research department
- ❖ Scientific exchange, flexibility, independence and self-responsibility
- ❖ Extensive options of vocational training (meetings, workshops, conferences)
- ❖ A chance to receive your doctoral degree
- ❖ TV-L E13 (65%), initially limited to 3 years

TUM and UGOE are equal opportunity employers. Qualified people of all gender are encouraged to apply. We strive to increase the proportion of women, so applications from women are especially welcome. Applicants with disabilities will be given preference, if they essentially have the same qualifications.

As part of your application for a position at the Technical University of Munich (TUM) or the University of Göttingen (UGOE), you are transmitting personal data. Please note the data protection information in accordance with Art. 13 General Data Protection Regulation (GDPR; Datenschutzgrundverordnung DSGVO) on collection and processing of personal data in the context of your application (<https://portal.mytum.de/kompass/datenschutz/Bewerbung/> for TUM and <https://www.uni-goettingen.de/hinweisdsrgvo> for UGOE). By submitting your application, you confirm that you have read TUM's respectively UGOE's data protection information.

**PhD position 1 (TV-L E13 - 65%)  
at the Professorship for Forest and Agroforest Systems (d/f/m)  
Technical University of Munich (TUM)**

**Topic:**

Forest structure, tree neighborhood complementarities and competition as drivers for growth and drought stress in European beech, Douglas fir and silver fir

**Job description:**

The job will be mainly associated with the Professorship for Forest and Agroforest Systems in Freising, Germany. The successful candidate will be focusing on recording and describing forest scenes and trees with terrestrial laser scans (3D point clouds) and analyzing stem core samples in view of increment and annual drought stress and linking these to one another. Data will be collected in the field and analyzed in the laboratory.

**The candidate we are looking for ideally has:**

- ❖ Pronounced scientific curiosity and knowledge of forest ecosystems and silviculture
- ❖ Enthusiasm for and competence in quantitative data analysis
- ❖ Experience with spatial 3D data and computing
- ❖ First experience modelling and relevant languages (R, Python etc.)
- ❖ Strong interest in further developing programming skills
- ❖ Interest in teaching, supervising, and working with students

**Job requirements:**

- ❖ Excellent diploma or master's degree in a related field (forest ecology and biometry)
- ❖ Excellent knowledge of English
- ❖ Pronounced scientific and writing skills are a benefit

**Starting date:**

01.01.2022 (part-time 65%, fixed-term for 3 years)

**Interested?**

We are looking forward to receiving your comprehensive standard application documents as single PDF file (W018\_01\_surname\_forename.pdf) in an email attachment to Prof. Dr. Peter Annighöfer, peter.annighoefer@tum.de or by postal mail to Prof. Dr. Peter Annighöfer, Hans-Carl-v.-Carlowitz-Platz 2, 85354 Freising

**Questions regarding project or position?**

Please contact: Prof. Dr. Peter Annighöfer; peter.annighoefer@tum.de

**Application closing date:**

31.10.2021

**PhD position 2 (TV-L E13 - 65%)  
at the Terrestrial Ecology Research Group (d/f/m)  
Technical University of Munich (TUM)**

**Topic:**

Biodiversity assessment in mixed forest stands

**Job description:**

The position will be associated with the Terrestrial Ecology Research Group in Freising, Germany (Prof. Wolfgang W. Weisser). The successful candidate will carry out biodiversity assessments in forest stands, focusing on birds, bats and beetles. Modern audio recording and sequencing technologies will be used in the project along with traditional approaches. This position entails a significant amount of field work.

**The candidate we are looking for ideally has:**

- ❖ Pronounced scientific curiosity
- ❖ Enthusiasm for field work
- ❖ Experience in biodiversity assessment of some animal group
- ❖ Taxonomic knowledge of birds, bats and/or beetles desirable
- ❖ Competence in quantitative data analysis using R
- ❖ Interest in teaching, supervising, and working with students

**Job requirements:**

- ❖ Excellent M.Sc. degree in a relevant field (e.g. biology, conservation)
- ❖ Excellent knowledge of English
- ❖ Pronounced scientific and writing skills are a benefit

**Starting date:**

01.01.2022 (part-time 65%, fixed-term for 3 years)

**Interested?**

We are looking forward to receiving your comprehensive standard application documents including a cover letter, describing why you are interested in the position and names of two references, preferably electronically as a single PDF file (W018\_02\_surname\_forename.pdf) or by mail to Prof. Dr. Wolfgang W. Weisser, Technische Universität München, Lehrstuhl für Terrestrische Ökologie, School of Life Sciences, Hans-Carl-von-Carlowitz-Platz 2, D-85354 Freising, Germany. Please send electronic applications to Prof. Dr. Wolfgang W. Weisser; [toek@tum.de](mailto:toek@tum.de)

**Questions regarding project or position?**

Please contact: Prof. Wolfgang W. Weisser; [Wolfgang.weisser@tum.de](mailto:Wolfgang.weisser@tum.de)  
Further information on our research group can be found under [toek.wzw.tum.de](http://toek.wzw.tum.de)

**Application closing date:**

31.10.2021

**PhD position 3 (TV-L E13 - 65%)  
at the Animal Ecology Group (d/f/m)  
University of Göttingen (UGOE)**

**Topic:**

Structure and functioning of soil animal communities in mixed forest stands

**Job description:**

The position will be associated with the Animal Ecology Group at the University of Göttingen, Germany (Prof. Stefan Scheu). The successful candidate will investigate soil animal communities of forest stands, focusing on macrofauna decomposers such as millipedes, isopods and earthworms. Based on quantitative methods for analyzing soil animals trophic niches of soil invertebrates will be investigated using stable isotope and compound-specific fatty acid analysis.

**The candidate we are looking for ideally has:**

- ❖ Pronounced scientific curiosity
- ❖ Enthusiasm for field and lab work
- ❖ Experience in the assessment of invertebrate taxa especially those in soil
- ❖ Experience in the analysis of animal communities
- ❖ Competence in quantitative data analysis using R
- ❖ Interest in teaching, supervising, and working with students

**Job requirements:**

- ❖ Excellent M.Sc. degree in a relevant field (e.g., ecology, zoology, conservation)
- ❖ Excellent knowledge of English
- ❖ Pronounced scientific and writing skills are a benefit

**Starting date:**

01.01.2022 (part-time 65%, fixed-term for 3 years)

**Interested?**

Please send your application to Prof. Dr. Stefan Scheu, [sscheu@gwdg.de](mailto:sscheu@gwdg.de). Include the following information in a single PDF document (W018\_03\_surname\_forename.pdf):

- ❖ Curriculum vitae
- ❖ Motivation letter
- ❖ Certificates of studies (if a degree is not yet completed you may also provide a document listing your current grades)
- ❖ Two references (name and contact information of two senior researchers)
- ❖ Summary of your MSc thesis

**Questions regarding project or position?**

Please contact Prof. Dr. Stefan Scheu, [sscheu@gwdg.de](mailto:sscheu@gwdg.de)

For information on the research group visit <http://www.uni-goettingen.de/animal-ecology>

**Application closing date:**

31.10.2021