



GEORG-AUGUST-UNIVERSITÄT
GÖTTINGEN

The Department of Forest Genetics and Forest Tree Breeding at the Georg-August-University of Göttingen is offering a position for a

Research Scientist (Postdoc) in Genomics and Bioinformatics

- Salary is E13 TV-L (100%)

The position is limited to 36 months. The earliest starting date will be 01.04.2025.

The successful candidate will work in the project: "Genetic basis of drought stress adaptation in *Quercus robur* subsp. *pedunculiflora* (K.Koch) Menitsky (*Quercus robur* sensu lato), a drought-adapted variety of pedunculate oak "funded by the Federal Ministry of Food and Agriculture.

Your tasks

- Whole Genome Sequencing of about 400 individuals of both subspecies
- Bioinformatic analysis of the nucleotide sequence data including SNP calling and genotyping
- High precision phenotypic of seedlings using a LemnaTec phenotyping system
- Genome-wide association analyses (GWAS) to identify candidate genes associated with drought tolerance
- Comparative genomic analyses
- Publication of results in peer-reviewed journals
- Assistance with the organization and coordination of the project

Your profile

- PhD degree in biology, agricultural sciences, forest sciences or related disciplines
- High motivation and enthusiasm
- Proficiency in bioinformatics and experience with GWAS and genomic selection methods
- Sound knowledge and understanding of molecular breeding methods
- Experience and profound knowledge in statistics, quantitative genetics and data analysis
- Excellent English language skills
- Very good publication record (dependent on the career stage)
- Very good written and oral communication skills
- Ability to work in a team

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 send your application with the usual documents (curriculum vitae and scientific background, certificates, references from a university teacher) (in electronic form preferably in a single PDF-file) by e-mail within **three weeks** after publication of the job description.

**Georg-August-Universität Göttingen, Abt. für Forstgenetik und Forstpflanzenzüchtung,
Büsgenweg 2, 37077 Göttingen, forstgen@gwdg.de.**

Contact: Prof. Dr. Oliver Gailing,
Phone: 0551 39 23536, E-Mail: ogailin@gwdg