



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%)

at the earliest possible starting date. The position is limited to 36 months.

The successful candidate will work in the project: "Precision phenotyping in *Quercus rubra* - Development of gene markers for early selection of drought stress tolerant seedlings funded by the "Federal Ministry of Agriculture, Food and Regional Identity".

Your tasks

- Whole Genome Sequencing of about 570 individuals in a *Quercus rubra* full-sib family
- Bioinformatic analysis of the nucleotide sequence data including SNP calling and genotyping
- Application of drought stress and high precision phenotyping 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

- Master degree in biology, agricultural sciences, forest sciences or related disciplines
- 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,
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