

At the University of Applied Sciences and Arts Hildesheim/Holzminden/Göttingen (Germany), the following position at the Faculty of Resource Management in the research group for Botany at the Göttingen campus is to be filled at the earliest possible date for a period of 3 years:

**Research Scientist (Post-doctoral level) in
Functional Genomics of Forest Trees
(salary according to E 13 TV-L, full-time)**

The successful candidate will work in the project „Development of genetic markers for drought tolerance in sessile oak and European Beech“, which is funded by the Federal Ministry of Food and Agriculture. The project deals with the genetic variation of drought stress reactions in sessile oak and European beech and is carried out in close cooperation with the University of Göttingen (Department of Forest Genetics and Forest Tree Breeding). The aim is to identify potential genetic markers for drought stress responses based on field studies in Germany and Romania and drought stress experiments under controlled conditions.

Your tasks

- Planning, coordination, and execution of field work (sample collection in Germany and Romania) and drought stress experiments
- Assessment of physiological and metabolic traits in the laboratory
- Transcriptome-wide gene expression analyses (Transcriptomics)
- Exome wide identification and genotyping of single nucleotide polymorphisms
- Genome-wide association studies (GWAS) to identify genetic structures associated with drought stress tolerance
- Implementation of bioinformatic and genetic analyses, also in cooperation with project partners
- Publication (peer-reviewed) and presentation of the results
- Assistance with the organisation and coordination of the project

Your profile

- You hold a university degree (M.Sc. or equivalent) in biology, forestry, agricultural or environmental sciences, bioinformatics or a related discipline from the life sciences
- PhD (completed or close to completion) in one of the above-mentioned subjects, preferably with a focus on one of the following areas: population genetics, functional genomics (e.g. GWAS, transcriptome analyses), tree physiology.

- Good knowledge of the software environment R for biostatistical methods and applied bioinformatics
- Proven experience in experimental handling of plants and in publishing scientific results
- Very good written and spoken English skills

Research experience with tree species is advantageous, but not essential. Knowledge of Linux, Python and GIS is desirable. Furthermore, experience in research cooperations and their coordination would be an advantage.

We expect enthusiasm, an independent, and result-oriented way of working and the willingness for interdisciplinary cooperation. The position requires very good communication skills.

The HAWK sees itself as a place where opportunities are made possible. For this reason, the future holder of the position is expected to have an equal opportunity oriented mindset.

Prof. Dr. Henning Wildhagen (henning.wildhagen{at}hawk.de) will be happy to answer any specialist questions you may have.

As a diversity-friendly university, we would also like to have employees with different backgrounds. Therefore, people from underrepresented groups are particularly encouraged to apply. Our university promotes the compatibility of family and career through flexible working time models. The Equal Opportunity Office and the Staff Council will be happy to answer any questions you may have in this regard.

Applicants with severe disabilities will be given preferential consideration in accordance with the relevant regulations if they have the same aptitude, qualifications and professional performance. In order to protect your interests, please state in your application whether you have a severe disability or concerns related to equal opportunity matters.

Please send a meaningful application with the usual documents (cover letter, CV, list of publications, certificates of your qualifications, at least one letter of reference regarding your academic qualifications) to HAWK University of Applied Sciences and Arts Hildesheim/ Holzminden/ Göttingen, Human Resources Department, Hohnsen 4, 31134 Hildesheim or to **jobboerse@hawk.de** by October 11, 2020 or until the position has been filled.

The submitted documents will only be returned if a sufficiently stamped, addressed envelope is sent along with the application. Otherwise, the application will be destroyed according to the data safety regulations once the selection procedure has been completed.