



## Bundesforschungs- und Ausbildungszentrum für Wald, Naturgefahren und Landschaft

Austrian Research and Training Centre for Forests, Natural Hazards and Landscape | <http://bfw.ac.at>

# Post-Doc Position in Tree Genome Research

40 hours/week | limited for 3 years | expected start: October 2021

The **Research Unit of Genome Research** at the Department for Forest Growth, Silviculture and Genetics, of the Austrian Research Centre for Forests (BFW), Vienna, Austria (Europe), is seeking an experienced and motivated Post-Doc researcher in the field of tree genome research, to work on a recently funded research project on oak (*Quercus*) genome variation and adaptation.

We offer a unique opportunity to work in a collaborative environment with a small and focused team engaged in exploring the basis of adaptation of tree genomes to changing climates.

### Your responsibilities

The Research Scientist will focus work within the new oak project mainly on southern Eurasian *Quercus* species, contributing to and utilizing newly sequenced, high-quality reference genome sequences and SNPs, collecting further tree samples and data in Southeastern and Central Europe, and conducting environmental association analyses with current and future climate scenarios. The goal is to eventually identify gene variants that may be useful in future climates in Central Europe, and to find out where in the present distribution of the species they may be found. This will involve planning details of all activities (together with the project PI), some lab work (together with staff lab technicians), travel and field work, as well as a suite of bioinformatic and statistical work. Contribution to project management and outreach as well as interaction with the scientific board of the project, are also expected.

### Your profile

- MSc. or equivalent degree in plant genetics, forestry, biotechnology, bioinformatics or similar field
- PhD completed (or to be completed within less than 6 months from now) in a relevant field
- Independence in carrying out scientific studies in fields relevant for the planned work
- Experience in field work in forests and nature, interaction with land owners and forest/land managers as well as forest/nature authorities, preferentially also in other countries in Europe
- Experience with plant DNA work (extraction, quality assessment, library preparation and/or interaction with sequencing centres)
- Experience in bioinformatics (work with genome and gene variant data, environmental data, plant-derived phenotype data)
- Demonstrated ability to present, write, submit and publish peer-reviewed research work (in English)
- Good level of self-organization and willingness to integrate and work in a team, including supervising technicians
- working knowledge of English is necessary; additional language skills are a plus, especially German and /or Balkan languages



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### **Others**

Located close to Schönbrunn Palace in the city of Vienna, our scientists and staff are committed to creating a workplace culture that respects and celebrates diversity and values the well-being of all employees. The gross monthly salary is at least EUR 2959.50 based on the salary scale for federal employees in evaluation group v1. Previous working experiences may increase the monthly income.

Reference is made to § 43 in conjunction with § 11b and § 11c of the Federal Equal Treatment Act, according to which women who are equally qualified as male applicants will be given preference.

**If you are interested** in this position, please send your application including a cover letter detailing your motivation, your CV and contact information for three references, by 10 October 2021 via e-mail to [berthold.heinze@bfw.gv.at](mailto:berthold.heinze@bfw.gv.at) (beware of file size limits of our e-mail server).

For further information, please also contact DI Dr. Berthold Heinze at the above e-mail address.

### **Federal Research and Training Centre for Forests, Natural Hazards and Landscape (BFW)**

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