



Bundesforschungs- und Ausbildungszentrum für Wald, Naturgefahren und Landschaft

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

Job offer: Post-Graduate Position in Physiological and Biochemical responses to drought stress

Full Time (40h/w) – Limited for 3 years – Schönbrunn (Vienna), Austria

In the **Unit of Provenance research and Breeding at the Department for Forest Growth, Silviculture and Genetics** of the Austrian Federal Research and Training Centre for Forests, Natural Hazards and Landscape (BFW), Vienna.

We are seeking an experienced and highly motivated Post-Graduate research associate in the field of **plant physiology** to join our growing team of scientists and practitioners. This is a unique opportunity to work in a collaborative environment with a dynamic team engaged in the molecular breeding of forest tree species. **Our group specialized in genetics and molecular defense responses**, is greatly interested in the **physiological and biochemical responses to drought stress**. Our unit currently lacks a specialist who would expand our scientific knowledge in this area.

Your responsibilities

The research associate will work within a new project analyzing the **role of terpenoids (plant secondary metabolites) on drought stress in Norway spruce (*Picea abies*)**. The job profile includes the organization and collection of Norway spruce seeds across Europe (especially at the warmest fringe of the natural range), the design and implementation of phytotron experiments, the analysis of physiological traits using advanced multi-sensor and multi-approach high-throughput plant phenotyping platform in Austria (PHENOPlant), scientific data analysis and publication, as well as project management tasks.

Your profile

The research activities will be carried out at the Austrian Research Centre for Forests (BFW) in collaboration with a scientific board. The successful candidate is expected to disseminate research findings in peer-reviewed journals, as well as through public engagements and other scientific platforms.

- M.Sc. degree in Plant physiology and biochemistry, especially on plant drought stress metabolism and physiology. One scientific publication in plant physiology or this specific area will be greatly appreciated
- Experience in plant phenotyping, physiological and biochemical trait measurements
- Experience in growing and managing plants from the seed to the seedling stage
- Basic Knowledge on genetics, transcriptomics and metabolomics
- Experience with basic research principles and methods, data acquisition, and publishing.
- Scientific writing skills & strong written and verbal communication skills
- High level of self-organization and willingness to work in a team



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- Willingness to travel in Austria and abroad for sampling, data collection, data analysis and scientific discussions
- Knowledge of Statistics and R for data analysis. Other programming languages are also welcome (e.g. Python)
- Knowledge of setting-up experimental designs
- Experience in literature research and analysis & experience with large data sets

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. This is a 40 hour, 3-years term position beginning **1st of October** or until the position is filled. The gross monthly salary is at least EUR € 2.820,40 based on salary scale for federal employees in evaluation group v1.

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 when the position is entrusted.

If we have raised your interest, please send **your application including a cover letter detailing your motivation, your CV and contact information for three references, and one recommendation letter by September 15th, 2021** to the Federal Research and Training Centre for Forests, Natural Hazards and Landscape, 1130 Vienna, Seckendorff-Gudent-Weg 8 via e-mail to: marcela.vanloo@bfw.gv.at.

For further information, please contact Dr. Marcela van Loo (marcela.vanloo@bfw.gv.at)

Web: <https://bfw.gv.at>