The Department of Forest and Soil Sciences, Institute of Forest Ecology is currently seeking a

Postdoctoral Research Associate
(project employment)
Reference code: 204

<u>Extent of employment:</u>   30 hours per week
<u>Duration of employment:</u>   1st of February 2023, limited to 30th of April 2028

<u>Workplace:</u> Vienna, Tulln and Groß-Enzersdorf

Gross monthly salary and pay grade in terms of collective agreement for university staff (payable 14 times per year): B1 lit. b, € 3.046,10

Responsibilities

- Scientific research in the EU project "BarleyMicroBreed", assessing barley phenotypes, and functional interactions between barley roots and the microbiome (under drought)
- Carry out field and lab studies (root and shoot phenotyping, analyses of isotopes, root traits incl. exudates, …) in Austria, and in close collaboration with partners across the EU
- Co-develop advanced, imaging-based root phenotyping technologies
- Support and execute scientific project management
- Disseminate results via scientific publications, conferences, and to public
- Co-supervise graduate- and undergraduate students, interns
- Development of an independent research profile, (co-)develop future research proposals, teach basic and advanced courses (~ 2 h/week; extra salaried)
- Persue and advanced scientific qualification ("Habilitation") in an academic field of choice is favored

Required skills and qualifications

- Doctorate degree/PhD with a scientific focus on plant sciences, functional phenotyping
- Postdoctoral experience in (crop) phenotyping, root or rhizosphere ecology, or related fields
- Comprehensive experience with image analysis techniques
- Excellent scientific publication record
- Willingness to persue an advanced scientific qualification ("Habilitation"), enabling thereafter independent teaching and student supervision
- Very good level of English (written and oral)
- Driving license "B" (to facilitate field work)

Desirable skills and qualifications

- Good knowledge on root – microbe interaction, or root development physiology
- Experience with the analysis and interpretation of large datasets, including solid scripting/programming skills (R, Python, …)
- Skills in organizing large, interdisciplinary research projects
- Ability to work autonomously and in a team, active communication skills
- German language skills are an advantage

Applications can be submitted until: 18th of December 2022

University of Natural Resources and Life Sciences Vienna seeks to increase the number of its female faculty and staff members. Therefore qualified women are strongly encouraged to apply. In case of equal qualification, female candidates will be given preference unless reasons specific to an individual male candidate tilt the balance in his favour.

People with disabilities and appropriate qualifications are specifically encouraged to apply.

Please send your job application incl.

- motivation letter
- CV
- incl. a list of peer-reviewed publications
- names and contact information of two referees

to BarleyMicroBreed@boku.ac.at, **Reference code: 204.**

We regret that we cannot reimburse applicants travel and lodging expenses incurred as part of the selection and hiring process.

www.boku.ac.at