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

Postdoctoral Research Associate
PhD position / project employment
(Reference code: 20)

Extent of employment: 30 hours per week
Duration of employment: 1st of April 2021, limited to 31st of March 2024

Workplace: 1190 Vienna, Peter-Jordan-Straße 82

Gross monthly salary and pay grade in terms of collective agreement for university staff (payable 14 times per year): B1 lit. b, € 2.959,40

The BiodivERsA project ACORN (identifying seed sources for highly adaptable oak forests in a changing climate) deals with genetic adaptation of oaks to drought stress. An international team of six research institutions from five European countries cooperates in the frame of the project. They will address the question how drought-tolerant oak populations can contribute as seed sources for establishing highly adaptable forests in a changing climate. We search for a highly motivated scientific associate (post-doc) who will undertake both research and coordination activities in the project.

Responsibilities

- Planning and implementation of field collections in oak stands
- Organisation and supervision of molecular genetic analyses in the lab
- Conception and conduction of environmental association analyses (between environmental parameters and adaptive genetic variation) based on next-generation sequencing (NGS) data and bioinformatic analysis
- Contribution to data management, administration, activity coordination, exchange with stakeholders and dissemination to the public
- Publication of the results in scientific journals and practice-oriented media

Required skills and qualifications

- Doctoral degree/PhD in forest / environmental sciences, biology or other equivalent subject
- Diploma degree in forest / environmental sciences, biology or other equivalent university degree
- Expertise in population genetics
- Very good knowledge of statistics, R and bioinformatics
- Willingness to work in field trips for several days, also on steep slopes
- Excellent knowledge of spoken and written English; a good knowledge of the German language is an advantage
- Teamwork and communication skills

Desirable skills and qualifications

- Experience with work in research projects and data management
- Experience in landscape genomics (environmental association analyses)
- Ability to deal with the Unix/Linux-operating system
- Knowledge of computer programming languages (e.g. Pearl, Python)
- Knowledge and experience in the field of forest reproductive material and forest genetics

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Applications can be submitted until: 16th of February 2021

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 and copies of diplomas and certificates to Personnel department, University of Natural Resources and Life Sciences, Peter-Jordan-Straße 70, 1190 Vienna; E-Mail: kerstin.buchmueller@boku.ac.at. **(Reference code: 20)**

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

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