

The Department of Crop Sciences is currently seeking a for a

Postgraduate Research Associate (project employment)

Extent of employment: 40 hours per week

Duration of employment: 1st of September 2022, limited to 30th of April 2024

Gross monthly salary and pay grade in terms of collective agreement for university staff (payable 14 times per year): B1, € 3.058,60

Responsibilities

- Technical-scientific and organizational collaboration in the infrastructure project MoFAB at the University of Natural Resources and Applied Life Sciences with the main focus of work at the BOKU site Tulln (Lower Austria), as well as various locations in Austria.
- Collaboration in the assembly, development and optimization of camera combinations for a stationary system and a phenorobot
- 3D imaging of plant populations with laser scanner, spectral and thermal camera in the climate chamber, in the greenhouse and in the field
- Optimization of the use of imaging methods for the close-up investigation of plant stands in low and high throughput
- Establishment of an evaluation pipeline with 3D data from medium (48 units) to large (several 100 plots) agricultural trials to derive and validate plant characteristics such as stand geometry, nutrient and water status
- Development and optimization of user-friendly evaluation tools for scientific research
- Collaboration on statistical analysis and scientific use of the data obtained

Admission requirements

- Completed diploma studies in computer science, mathematics, mechatronics/robotics or equivalent, thematically suitable studies
- Interest in and experience with digital analysis of measurement data, including 3D images, spectral and thermal data
- Very good skills in programming
- Interest in agricultural, biological and plant physiological topics Communication skills, team spirit, affinity for technology, organizational skills and scientific curiosity
- Very good knowledge of German and English
- Driving license B

Further desired qualifications

- Experience with biological or agricultural experiments/data
- Experience with externally funded projects
- Experience with scientific networks

Application deadline: 15.8.2022

BOKU aims to increase the proportion of women and therefore explicitly invites qualified women to apply. Applicants who are equally suitable as the most suitable competitor will be given priority, unless reasons relating to the person of a competitor prevail.

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

We look forward to receiving your application including

Letter of motivation CV

Dr. Pablo Rischbeck, University of Natural Resources and Life Sciences Vienna, Konrad Lorenz Straße 24, 3430 Tulln; E-Mail: pablo.rischbeck@boku.ac.at

Applicants are not entitled to compensation for travel and accommodation expenses incurred in connection with the admission procedure.

www.boku.ac.at