



# Lebensgrundlagen für morgen sichern

## Research Scientist / Ph.D. student (m/f/d)

Institute for Resistance Research and Stress Tolerance - based in Quedlinburg

Application deadline: 2<sup>th</sup> October 2020 for reference number: QLB-RS-WA-04-20

### Your responsibilities

Participation in the research project "BioSam", in which arthropod and phytopathogenic microorganisms and viruses are recorded and the JKI's existing strain collections of microorganisms and viruses are characterized using suitable molecular biological and microscopic techniques.

- cultivation and propagation of various phytopathogenic fungus isolates;
- establishment of a method for obtaining qualitative DNA from fungal spores;
- preparation of the DNA for the creation of GBS (Genotyping by Sequencing) libraries and sequencing;
- bioinformatics evaluation and analysis of the sequencing data;
- maintaining the data in existing databases (e.g. LIMS);
- presentation and publication of research results.

### Your profile

- a completed scientific University degree in agricultural sciences; biology or one comparable discipline;
- experiences with the planning and execution of greenhouse and field tests;
- experience in the application of molecular methods (DNA extraction, PCR, quantitative PCR), in particular the creation of GBS (Genotyping by Sequencing) libraries;
- if possible, experience in working with microorganisms, in particular growing mushrooms;
- very good computer skills in connection with knowledge of bioinformatics data analysis (read mapping);
- first experiences in writing publications and preparing presentations;
- good knowledge of the English language in speaking and writing;
- readiness to Conducting business trips;
- experience working in scientific teams, good organizational and communication skills, initiative, flexibility and teamwork.

### We offer

- varied, challenging and interesting position in an international working environment;
- a part-time employment with 19.5 hours a week until 30<sup>th</sup> September 2023. The time limit is in accordance with § 2 para. 1 Act of Academic Fixed-term Contract (WissZeitVG). The possibility to obtain a PhD is given. The employment contract will be based on the collective agreement for the public service-Ost (TVöD-Ost).
- remuneration according to salary group E 13 TVöD.
- an entry as early as possible.

The Julius Kühn Institute (JKI) is an equal opportunities employer. Where possible, we offer flexible working time models to reconcile work and family life. The JKI is committed to inclusion. Applications from people with disabilities are therefore expressly welcome and given special consideration in the selection process.

The Julius Kühn Institute is an institution directly subordinated to the Federal Ministry of Food and Agriculture (BMEL).

Address: Julius Kühn-Institut (JKI), Federal Research Centre for Cultivated Plants, Administration, Erwin-Baur-Straße 27, 06484 Quedlinburg, Germany.

Information on data protection can be found here: <https://www.julius-kuehn.de/en/data-protection-information-for-applicants/>.



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### Your application

Please send your complete application, in particular letter of motivation, CV and copies of relevant certificates (e.g. school-leaving and university certificates, qualified job references), preferably by e-mail to [bewerbungen.quedlinburg@julius-kuehn.de](mailto:bewerbungen.quedlinburg@julius-kuehn.de) (one single PDF file, max. 10 MB, other file formats will not be accepted), quoting the reference number QLB-RS-WA-04-20. The deadline for receipt of applications is 2<sup>th</sup> October 2020.

### More information

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