



securing tomorrow's resources

Scientist (f/m/d)

Institute for Epidemiology and Pathogen Diagnostic - based in Braunschweig

Application deadline: 15th February 2026 for reference number: BS-EP-WA-02-26

We are seeking a scientist within the framework of institutional cooperation between the JKI, Germany and INRAE, France. The project is a close collaboration between our French partner at INRAE–LIPME (<https://www.lipme.fr/en>) and the JKI-EP (<https://www.julius-kuehn.de/ep>). It focuses on plant-beneficial microorganisms that mitigate the effects of drought stress and stimulate the plant immune system. Winter wheat will be used as a model crop due to its agronomic importance in both Germany and France. The research will involve greenhouse and field inoculation experiments using different wheat genotypes grown in soils with contrasting agricultural histories. These experiments will be extended to analyses of the rhizosphere microbiome (16S rRNA gene and ITS amplicon sequencing) and plant physiological responses.

Your responsibilities

- Planning, implementation and sampling of greenhouse and field experiments;
- Structural and functional characterization (incl. bioinformatic and statistical analysis) of microbial communities in the rhizosphere in relation to plant genotype, drought, inoculation, and agricultural management;
- Characterization of bacterial isolates by e.g. *in vitro* assays and molecular methods;
- Inoculation and detection of inoculated plant-beneficial bacteria and AMF using classical microbiological (e.g. plating), molecular (e.g. qPCR) and microscopic techniques (e.g. CLSM);
- Assess plant response to inoculation (phenotyping, gene expression, physiology);
- Study mycorrhizal fungi-bacteria interactions;
- Preparation of reports and publications in peer-reviewed, national and international journals and presentation of results at conferences.

Your profile

- A completed university degree (at least a master's degree, university diploma, or comparable qualification) in biology, agricultural sciences or a comparable scientific discipline;
- very good knowledge and practical experience in microbiological and molecular biological methods;
- Good knowledge of bioinformatics and common computer programs (e.g. MS-Office), preferably in combination with expertise in statistical analysis and processing of large data sets in "R";
- very good verbal and written communication skills in English and good knowledge of German;
- French language skills are advantageous;
- very good communication and organizational skills, initiative, ability to work in a team and flexibility;
- Willingness to undertake business trips including a prolonged research visit at INRAE in Auzeville-Tolosane France,
- Class B (III) driver's license and the willingness to drive a company car.

We offer

- a varied, challenging and interesting job in an international working environment;
- the possibility to obtain a doctoral degree in collaboration with the TU Braunschweig;
- Part-time employment with 25.35 hours a week for 36 months. The employment contract will be based on the collective agreement for the public service (TVöD);
- Remuneration according to salary group E 13 TVöD if you have the required qualifications and skills.
- Starting date: as early as possible.





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The Julius Kühn Institute (JKI) is an equal opportunities employer. We live a culture of a diverse and cosmopolitan work environment. The JKI is committed to inclusion. Applications from people with disabilities are therefore expressly welcome and given special consideration in the selection process. The JKI promotes the reconciliation of work and family life and, since 2021, has been holding the **audit workandfamily** certificate ([audit berufundfamilie](#)). Where possible, we offer flexible working time models to reconcile work and family life. More information can be found [here](#).

The JKI subsidizes the Deutschlandticket for its staff, who can purchase it at a reduced subscription price of €23.28.

More information

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Applying online

Please apply via the INTERAMT job portal. To do so, click on the "**Online bewerben**" button on the INTERAMT page. The deadline for your application is 15th February 2026.

Please note that the language on the INTERAMT portal is German.

An overview of all vacancies at the Julius Kühn Institute can be found [here](#). Alternatively you can simply scan the QR code at the bottom right corner with your mobile device.

To apply, please register with INTERAMT at <https://www.interamt.de/koop/app/registrieren> or use your login if you are already a registered user. If you have any technical problems or questions regarding your registration, please contact INTERAMT directly at +49 (0) 385 4800-140 or by e-mail: kontakt@interamt.de.

Make sure to have uploaded all relevant documents for your online application by the application deadline.

If you have an international degree, please also enclose a certificate evaluation from the Central Office for Foreign Education (ZAB) with your application. If you do not yet have a certificate evaluation, you must apply for one if your application is successful. Further information can be found at <https://zab.kmk.org/en/statement-comparability>.

