

securing tomorrow's resources

Scientist (f/m/d)

Institute for Breeding Research on Agricultural Crops - based in Groß Lüsewitz

Application deadline: 11st July 2026 for reference number: GL-ZL-WA-04-26

The project

CRC TRR341 is a transregional collaborative research centre funded by the German Research Foundation (DFG), which is a collaborative effort of scientists across five universities and two research institutions in Germany (<https://trr341.uni-koeln.de/>). There are 24 sub-projects within the consortium, each with a primary goal of dissecting the genetic mechanisms underlying plant adaptation to their environment. In sub-project A02, we aim to isolate the molecular variants underlying leaf size variation in barley. In addition, we want to assess the physiological and agronomic consequences of those molecular variants under different agroecological contexts. In sub-project A02, we also aim to understand the effect of intraspecific competition mediated by leaf size as a functional trait. In a broader sense, the project will explore the genetic basis of competition effects in intraspecific mixtures on plant fitness using barley as a model. The announcement is seeking a female candidate or a male candidate (f/m/d) who will contribute to understanding the genetic basis of intraspecific competition in barley.

Your responsibilities

- design and execute field and greenhouse experiments;
- collect morphological, physiological and agronomic data from the field and greenhouse experiments;
- acquire and analyze drone and camera images from organ-, plant-, and plot-level phenotyping of barley;
- evaluate the effect of plant-plant interaction in intraspecific mixtures of barley across different environmental stressors;
- perform genetic mapping to identify loci explaining intraspecific competition effects;
- analyze and interpret the collected data from the aforementioned experiments;
- prepare scientific publications in peer-reviewed journals and presentations for conferences and meetings.

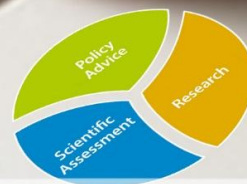
Your profile

- a completed university degree (at least a master's degree, university diploma, or comparable qualification) in agriculture sciences, quantitative genetics, biostatistics or comparable disciplines;
- theoretical and practical experience on design and execution of field experiments;
- very good theoretical and practical knowledge of biostatistics;
- working knowledge of programming language (e.g. Python) and statistical analysis using R;
- experience with computer vision and image segmentation for plant phenotyping using drone or camera imagery (e.g., spike counting and leaf disease scoring) is highly desirable;
- very good organizational and communication skills;
- reliable and independent working style, ability to work in a team and willingness to cooperate, initiative and commitment as well as enthusiasm for scientific work are required;
- excellent spoken and written English.

We offer

- a varied, challenging and interesting job in an international working environment.
- the possibility to prepare a dissertation is given.





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- a fixed-term contract with 19,5 hours per week until 31st December 2026 and 25.35 hours from 1st January 2027 until 30th June 2030 for a task of limited duration. The employment contract will be based on the collective agreement for the public service East (TVöD).
- a remuneration according to salary group E 13 TVöD, provided that the successful applicant meets the required qualification and personal specification.
- an entry as early as possible.

The Julius Kühn Institute (JKI) is an equal opportunities employer. We live in 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 work and family 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 11st July 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 would have to apply for one upon successful application. For more information, please visit <https://zab.kmk.org/de/zeugnisbewertung>.

