



Lebensgrundlagen für morgen sichern

Research Scientist (f/m/d)

Institute for Crop and Soil Science (PB) - based in Braunschweig, Bundesallee

Application deadline: 29th May 2026 for the reference number: BS-PB-WA-18-26

The project

With the rising CO₂ content of the atmosphere due to climate change, increasing grain yields are expected while the protein content in wheat decreases. Increasing climate variability also complicates demand-based crop management and nitrogen supply. The research and development work in the FutureWheatProtein joint project therefore aims to maintain the protein supply from wheat, which exhibits high protein contents and good baking quality even under changing climatic conditions such as higher CO₂ concentrations and increasing drought. The interdisciplinary project therefore investigates whether, in which growing regions, and under which cultivation strategies, high protein yields can be achieved in German wheat production in the future, and which specific adaptation measures can be taken for sustainable wheat protein production in the face of climate change.

Your responsibilities

- Modeling of phenological development, growth, and yield formation of divergent wheat varieties with different CO₂ responses to protein content and yield using process-based plant growth models and agroecosystem models;
- Calibration and evaluation of the models based on extensive experimental data sets from the project partners and secondary data using advanced calibration methods;
- Evaluation and further development of the models with regard to the representation of grain protein yields and contents, including nitrogen uptake, grain filling, lodging, and protein synthesis;
- Germany-wide modeling of genotype × environment × management interactions in wheat cultivation under climate change and development of adaptation strategies for climate-friendly protein wheat production;
- Derivation of recommendations for action on sustainable protein wheat cultivation under climate change for practice, breeding, value chains, and policymakers together with the project partners;
- Development and implementation of a research data management plan for the joint project based on FAIR principles together with the project partners;
- Coordination of the joint project, including organization of project meetings, coordination of annual reporting, and communication with the project sponsor, the Federal Agency for Food, Agriculture and Consumer Protection (BLE);
- Publication of results at national and international events and conferences, as well as in national and international journals;
- Close collaboration with the project partners at the JKI Institute of Crop and Soil Science, the JKI Institute of Resistance Research and Stress Tolerance, and the Biostatistics Unit at the University of Hohenheim, as well as our international team of scientists and developers, in a goal-oriented and friendly working atmosphere.

Your profile

- A completed university degree (at least a master's degree, university diploma, or comparable qualification) in agricultural, horticultural, forestry, environmental, computer science, geography, mathematics, statistics, computer science, or a comparable discipline, preferably with a doctorate;
- Experience in process-based modeling, including advanced calibration methods;
- Knowledge in the areas of crop physiology and crop production, as well as wheat cultivation;
- Knowledge of programming and statistical analysis methods and modeling using, for example, R, SAS, ASReml, Python, or similar;
- Experience in collaborating in large projects and, if possible, coordination experience;
- Perseverance and enjoyment of scientific work in a team;
- The ability to work independently and responsibly, including strong organizational and communication skills and flexibility;
- Experience in preparing scientific conference papers and peer-reviewed scientific articles;
- Good written and spoken English and, if possible, German.



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

Address: Julius Kühn-Institut (JKI), Federal Research Centre for Cultivated Plants, Central Department, Messeweg 11/12, 38104 Braunschweig, Germany. Information on data protection can be found here: <https://www.julius-kuehn.de/en/data-protection-information-for-applicants>.



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We offer

- a varied, demanding and interesting job in a goal- and solution-oriented working environment as well as working in a project team at the JKI.
- a full-time employment with 39 hours a week, initially limited until 21st October 2026, to work on a third-party funded project covering for an employee on maternity leave. The option to continue as a substitute during parental leave is available. Generally, various forms of part-time employment are possible. 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: 1st August 2026.

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

Prof. Dr. Til Feike

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Apply 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 29th May 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>.

