

securing tomorrow's resources

Scientist (f/m/d)

Institute for Grapevine Breeding Geilweilerhof - based in Siebeldingen, Germany

Application deadline: 11th May 2026 for reference number: SIEB-ZR-WA-02-26

The Institute for Grapevine Breeding in Siebeldingen breeds new grapevine varieties that are highly resistant to major diseases and climate-adapted, while also producing high-quality wine.

The Project

In viticulture and grapevine breeding, there is a lack of simple, objective, and cost-effective tools that allow the simultaneous collection of key traits—such as grape cluster structure, yield, and quality parameters—directly in the vineyard. The interdisciplinary transfer project *MuSik4Vine* addresses this gap by combining innovative approaches and expertise from breeding research, micro-optics, and lighting technology. Its goal is to develop and evaluate a mobile, multi-modal sensor system enabling a non-invasive acquisition of both spectral and geometric characteristics of grapevines. Viticultural and breeding expertise play a central role in ensuring application-oriented sensor development and the overall success of the project. This way, the project contributes significantly to advancing digitalisation in viticulture.

Your responsibilities

- conducting multi-dimensional characterisation of grapevine traits (phenotyping) in both laboratory and field settings, with a particular focus on hyperspectral sensing (imaging and non-imaging);
- identifying, referencing, and evaluating selected spectral bands for the non-destructive phenotyping of grapevine traits, such as ripening parameters and berry skin properties;
- collaboration and communication with stakeholders in the wine-growing sector and the DATIpilot community to support knowledge transfer, including the organisation of project meetings and public events;
- consolidation and presentation of complex project results in a manner tailored to different target audiences;
- supervision and coordination of temporary staff and students in mandatory internships;
- participation at national and international conferences by actively presenting project results and networking.

Your profile

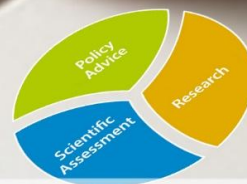
- a completed university degree (at least a Master's degree, university diploma, or an equivalent qualification) in biology, agricultural sciences, or a comparable discipline, preferably with a doctorate;
- very good knowledge and experience in the development, validation, and application of sensor-based methods for high-throughput phenotyping in grapevines, e.g. using 3D and spectral sensors;
- good understanding of the requirements of viticultural practice for grapevine breeding and breeding research;
- experience in the independent planning, implementation, and analysis of multi-dimensional experiments, preferably in the field of grapevine research and resistance or quality studies;
- very good knowledge and routine using R, especially statistical data analysis and data modelling;
- profound skills in preparing and presenting scientific results at international conferences, as well as in communicating with stakeholders in viticultural practice;
- experience in supervising students;
- very good written and spoken German and English skills;
- a Class III (B) driver's license and willingness to undertake business trips lasting several days.

We offer

- varied, challenging and interesting job in an international working environment.
- full-time employment limited until 31st December 2028 with 39 hours a week within a third-party funded project, subject to the availability of funds. Generally, various forms of part-time employment are possible.

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, 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>.





securing tomorrow's resources

- 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.
- an entry as early as possible.

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

Dr. Katja Herzog

Phone: +49 (0) 6345 41-124

E-Mail: katja.herzog@julius-kuehn.de

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 11th 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>.

