



securing tomorrow's resources

Scientist (Postdoc) (f/m/d)

Institute for Breeding Research on Horticultural Crops (ZG) - based in Quedlinburg, Germany

Application deadline: 10 April 2022 for reference number: QLB-ZG-WA-01-22

At the Institute for Breeding Research on Horticultural Crops of the Julius Kühn Institute, a junior research group will be established with the aim of promoting young academics in the field of horticulture. This junior research group, Data Analytics horticulturae (DaAnHort), will mainly deal with issues of bioinformatics, the integration of artificial intelligence (AI) in plant breeding and the establishment of plant analytics of volatile secondary metabolites. In addition to the head position advertised here, the group will comprise two further Ph.D. student positions and technical assistance. Further recruitment is planned on the basis of third-party funds raised by the position holder.

Your responsibilities

- Head of a junior research group consisting of two Ph.D. students;
- Bioinformatic analyses of genotyping data (next generation sequencing NGS, SNP arrays, etc.);
- Integration of self-generated data and data from other Institute sources into the JKI focus "Artificial intelligence (AI) in plant breeding";
- Establishment and professional supervision of plant analytics using near-infrared spectroscopy (NIR) and gas chromatography (GC-MS and GC-FID) for volatile compounds (VOC) for use in breeding research and for third-party funded breeding projects;
- Acquisition of third-party funding to further raise the profile of the junior research group and the training of junior academic staff for horticulture;
- Publishing of own results in peer reviewed journals and steering the publication activities of the DaAnHort group;
- Preparation of a habilitation thesis and application for the habilitation procedure at a relevant university or higher education institution.

Your profile

- A university degree, completed with a PhD, in the fields of plant breeding, horticulture, agricultural sciences, bioinformatics, chemistry or a related scientific discipline;
- Practical experience in scientific data management, knowledge of dealing with database systems and LIMS;
- Experience in bioinformatic processing of plant sequencing data is desirable;
- Experience with typical data analysis tools such as R, Python and Galaxy is desirable;
- Experience in plant analysis as well as in breeding research and plant genetics is desirable;
- Excellence in publication and presentation;
- Good knowledge of the German and English languages, both spoken and written;
- High motivation for laboratory work and work in the greenhouse and experimental field under strenuous weather conditions. In addition, extraordinary teamwork skills, resilience and flexibility are required.
- A driver's license of category B at least and willingness to undertake business trips.

We offer

- A varied, challenging and interesting job in an international working environment;
- A full-time employment with 39.0 hours a week limited for an initial period of five years with the option of an extension. Generally, various forms of part-time employment are possible. The time limit is in accordance with § 2 para. 1 Act of Academic Fixed-term Contract (WissZeitVG). The employment is based on the collective agreement for public service (TVöD-Ost).
- A remuneration according to salary group E 14 TVöD, provided that the successful applicant meets the required qualification and personal specification;
- An entry as early as possible.

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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The Julius Kühn Institute (JKI) is an equal opportunities employer. 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

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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 10 April 2022.

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

Unless you have already found this vacancy via INTERAMT, our job offers are available here:

<https://www.interamt.de/koop/app/trefferliste?partner=3695>

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) 345 4800-140 or by e-mail: kontakt@interamt.de.

Make sure to have uploaded all relevant documents (incl. a brief description of your professional career and a publication list) for your online application by the application deadline.