

May we introduce ourselves?

We, Hochschule Geisenheim University, situated in the state of Hessen, have around 1,800 students and 550 employees. Our university offers a range of teaching and research in the fields of plants, landscape, food and beverages that is unique in Germany. We develop strategies for a sustainable future, which makes a meaningful contribution to social transformation that takes into account the future-oriented requirements of climate, landscape and food.

Are you looking for a challenging and varied job in a personal atmosphere characterized by collegiality? Would you like to work in an innovative environment whose tradition has been geared towards sustainability for over 150 years? Then shape the future with us as

Researcher / Postdoc
in Genomics and Genetics in horticultural species (m/w/d)
in the Institute for Breeding of Horticultural Crops.

Where? Geisenheim in the cultural region Rheingau (50 km west of Frankfurt/Main)

When? From the next possible date

How? Full-time (100 %, E13), 3 years fixed-term (§ 2 Abs.1 WissZeitVG)

The focus of this exciting postdoc position is the development, implementation and use of modern **genomic and molecular biological tools**, as well as **genetic approaches**, for the generation, evaluation and interpretation of extensive genomic and epigenomic data sets in various horticultural crops. This will provide important new insights for modern breeding into the genetic architecture of important agronomic traits in crops like grapevines and apples. This will also support the **development and optimization of new breeding approaches**, such as genomic selection in horticultural species. The outcomes of this research will also serve as a basis for precision breeding approaches to precisely alter and improve important traits in the future.

The position is part of the new **LOEWE-Start-Professorship for Breeding of Horticultural Crops** of Prof. Voss-Fels, funded by the Hessian Ministry of Science and Arts, which brings together different areas of breeding research in an interdisciplinary team. Extensive resources are available for this project, including large collections of breeding material, a well-equipped field trial facility, as well as laboratory and bioinformatics infrastructure.

Your profile - our requirements.

- University degree (MSc or university diploma) incl. doctoral degree in a field relevant to molecular biology and/or statistical genetics/genomics, e.g. agricultural sciences, horticultural sciences, biology, bioinformatics
- Excellent knowledge of the generation, analyses and interpretation of genomic data sets
- Profound knowledge in at least two of the following areas: genomics, bioinformatics, quantitative genetics, computational biology, molecular genetics, biotechnology
- Experience in molecular biological work, especially in generating, processing, and/or use of molecular data from NGS approaches for breeding, e.g. using quantitative genetics methods

- Comprehensive knowledge in the use of coding- and/or programming languages (e.g. R, Python etc.) and/or software for data processing and analyses (e.g. Plink, GATK etc.) on high-performance computing environments
- Strong affinity for and excellent knowledge about new technologies from molecular biology is expected
- Strong interest in presenting and publishing results in national and international scientific journals, as well as practical journals, and for the public and funding bodies
- Experience in epigenetics/epigenomics in plants is beneficial
- Experience in leading small teams e.g. of undergrad and PhD students and technical staff is beneficial
- Fluency in both spoken and written English is expected
- Willingness to undertake business trips to field stations (driving licence class B) desirable

Unser Angebot – Ihre Chance.

- *Security* - employment in the public sector with remuneration (depending on professional experience and qualifications) up to pay group 13 TV-H and a company pension scheme. Funding available for an extension for up to three years
- *Meaningfulness* – responsible task in a practical project to secure the future of viticulture in and outside Germany in an interdisciplinary motivated team.
- *Prospects* - personal, needs-oriented promotion through extensive training and further education opportunities; possibility of a doctorate
- *Flexibility* - individual working time models (work-life balance), generally the possibility of mobile working after a probationary period and 30 days' holiday
- *Mobility* - LandesTicket Hessen 2023 and 2024 for free use of local and regional public transport within Hesse
- *Feel-good factor* - a sense of belonging as a "Geisenheimer" through a friendly environment on our green campus with listed parks and buildings, coupled with the warmth of the Rheingau.

Does this sound interesting for you? Then submit your application (cover letter, CV incl. publication list, research projects and interests, relevant certificates/transcripts, 3 references) as a single PDF document to bewerbung@hs-gm.de by **October 01, 2023**, quoting the **reference number 76/2023**. Applications will be shortlisted after the submission deadline. Shortlisted applicants will receive an invitation for an interview. We're looking forward to reading your application! If you have any initial questions (also regarding the processing of your application data, see data protection information/application data), please do not hesitate to contact us:

<u>Job application management</u> Frau Aline Wenzl/Frau Verena Klein Tel.: 06722 502-224/226 E-Mail: bewerbung@hs-gm.de Hochschule Geisenheim Sachgebiet Personalservice Von-Lade-Straße 1, 65366 Geisenheim	<u>Institute for Breeding of Horticultural Crops</u> Herr Prof. Dr. Kai Voss-Fels Tel.: 06722 502-126 E-Mail: kai.voss-fels@hs-gm.de
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For us, your profile and your strengths count. That is why we welcome every person regardless of characteristics such as gender, age and origin or disability.

People with disabilities (as defined in § 2 Para. 2 and 3 SGB IX) are given preferential consideration if they are equally qualified.

Geisenheim University is a university that has been audited as "family-friendly" and is committed to diversity, equal rights for all genders and the compatibility of work and family. Therefore, we expressly encourage women with appropriate qualifications to apply.