

### Job advertisement

Are you looking for a new, challenging and varied job? Then apply as

### Research assistant (PhD student) in the field of epi-/genomics and genetics in apples (m/f/d) at the Institute for Plant Breeding.

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

**When?** From the next possible date

Part-time (65 %), limited to 3 years (§ 2 para. 1 WissZeitVG)

In this project, **modern epi-/genomic tools** and **quantitative-genetic approaches** will be developed and specifically combined to study the genetics of complex traits in apples. This will help us to decipher the molecular basis of phenotypic variation for traits important for fruit production (e.g. columnar growth, disease resistance). The new findings will furthermore be used for improved epi-/genomic selection strategies and form the basis for future precision breeding approaches for the targeted improvement of new apple varieties. Extensive collections in experimental facilities as well as extensive equipment in field trials and laboratories are available for the project. The position is limited to three years and is part of the new **LOEWE-Start-Professorship for Breeding of Special Crops** of Prof. Voss-Fels, which is funded by the Hessian Ministry of Science and Art and consists of an interdisciplinary team from various fields of science and practice. The project is being carried out in close cooperation with the Department of Pomology at HGU.

#### Your expertise - our requirements.

- Successfully completed university degree in a field relevant to molecular biology and/or statistical genetics, e.g. agricultural sciences, horticultural sciences, biology, bioinformatics, genetics, biotechnology (Master's degree or university diploma)
- Confident command of written and spoken English
- Knowledge of generating, analysing and interpreting genomic data sets is an advantage
- Good prior knowledge in at least one of the following areas desirable: genomics, bioinformatics, quantitative genetics, molecular genetics or biotechnology
- Knowledge of molecular biology work, especially in the application and use of molecular data from next-generation sequencing approaches in breeding is desirable
- Knowledge of or a strong interest in learning coding and/or programming languages (e.g. R, Python or similar) and/or computer software for data analysis (e.g. Plink, GATK or similar) desirable

- Experience in dealing with high-performance computing environments is an advantage
- Enjoy reporting, presenting and publishing the results in national and international scientific journals as well as journals of professional practice for the public and project organisers
- Willingness to carry out business trips to field trials advantageous (driving licence class B) advantageous

#### **Our offer - your opportunity.**

- *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
- *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-orientated support through extensive training and further education opportunities; possibility of a doctorate
- *Flexibility* - individual working time models (work-life balance), basic possibility of mobile working after induction and 30 days' holiday
- *Mobility* - LandesTicket Hessen 2024 for free use of local and regional public transport within Hesse
- *Feel-good factor* - a sense of community as "Geisenheimer:innen" through familiar surroundings on the green campus with listed parks and buildings, paired with Rheingau hospitality

Does that sound exciting to you? Then send your application (as a PDF file), quoting the **reference number 02/2024**, to [bewerbung@hs-gm.de](mailto:bewerbung@hs-gm.de) by **15.02.2024**. We look forward to hearing from you!

If you have any initial questions (also regarding the processing of your application data, see [data protection information/application data](#)), please contact the following persons:

<u>Job application management</u> Aline Wenzl/ Verena Klein Tel.: +49 (0)6722 502-224/226 E-Mail: <a href="mailto:bewerbung@hs-gm.de">bewerbung@hs-gm.de</a>  Geisenheim University Human Resources Von-Lade-Straße 1, 65366 Geisenheim	<u>Institute for Plant Breeding</u> Prof. Dr. Kai Voss-Fels Tel.: +49 (0) 6722 502-126 E-Mail: <a href="mailto:kai.voss-fels@hs-gm.de">kai.voss-fels@hs-gm.de</a>
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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.