



The Institute of Plant Genetics in the Faculty of Mathematics and Natural Sciences of Heinrich Heine University Düsseldorf invites applications for a

Scientific Research Associate in Genome Editing in Barley (m/f/d)

(100,00 %, pay grade 13 TV-L)

The Institute of Plant Genetics is seeking a highly motivated Scientific Research Associate with strong experience and interest in developing novel plant genome editing technologies in barley and related grasses.

The employment is initially limited to a period of 3 years with an option for prolongation for another 3 years. It is a qualification position in the sense of the Act of Academic Fixed-Term Contract (Wissenschaftsvertragsgesetz-WissZeitVG), which is to promote the scientific qualification of the employee.

The applicant would join a vibrant and very supportive research community. The Institute of Plant

Genetics <https://www.pflanzengenetik.hhu.de/en/our-research> is part of the CEPLAS Cluster of Excellence in Plant Sciences (www.ceplas.eu). In addition to the HHU as the host university, CEPLAS includes four cooperation partners, the Research Center Jülich (FZJ), the University of Cologne, and the Max Planck Institute for Plant Breeding Research (MPIPZ) in Cologne.

The Institute for Plant Genetics has an established barley transformation and tissue culture pipeline and is seeking now to develop novel gene editing technologies for barley and related grasses for gene discovery and functional analyses.

Your tasks:

- Develop an independent research program on new genome editing technologies in barley and related wild grasses.
- Develop strategies for genotype-flexible tissue and culture-free plant genome editing and transformation methods.
- Contribute to the ongoing projects on a) the genetic control of annual versus perennial growth in barley (ERC PERLIFE), b) genetic and metabolic control of shoot meristem development (CEPLAS, CSCS <https://cerealstemcells.de/>).
- Present research progress in national/international conferences and in peer-reviewed journals.

- Writing research proposals and acquisition of research funds.
- Supervision and teaching of B.Sc., M.Sc. and PhD students.

Our requirements:

- PhD degree in plant biotechnology, genetics, genetic engineering, molecular biology, or related plant science field.
- Experience in plant molecular biology and plant genome editing technologies. Experience in tissue culture is a plus.
- Excellent communication skills in English (oral and written). Knowledge of German is a plus.
- Experience in teaching and supervising students.

The pay scale grouping will be, depending on the personal qualification of the applicant, up to pay grade 13 TV-L.

In principle, the employment can also take place part-time if no compelling official reasons are opposed in an individual case.

Heinrich Heine University Düsseldorf aims to increase the percentage of employed women. Applications from women will therefore be given preference in cases of equal aptitude, ability and professional achievements unless there are exceptional reasons for choosing another applicant. Applications from suitably qualified severely disabled persons or disabled persons regarded as being of equal status according to Book IX of the German Social Code (SGB – Soziales Gesetzbuch) are encouraged.

Your contact person in case of questions is Prof. Dr Maria von Korff; email: maria.korff.schmising@hhu.de; phone number: 0211 / 81 - 13350

Please submit your application documents (cover letter, CV and certificates, additional references or resp. contact) as a single document until **30.07.2023** by email to:

maria.korff.schmising@hhu.de