



UNIVERSITY OF
HOHENHEIM

Institute of Plant Breeding, Seed Science and Population Genetics (350)

Research associate / Postdoc position (TV-L E13 100%) in population and quantitative genetics of crop plants

The Research Group Crop Diversity and Breeding Informatics of Karl Schmid invites applications for a postdoc position with a duration of 24 months. It is funded by the EU Horizon 2020 project "INVITE" (<https://www.h2020-invite.eu/>), which fosters the introduction of new plant varieties better adapted to varying environmental conditions and sustainable crop management practices. We use state-of-the art genotyping tools to characterize bioindicators for better crop adaptation and to improve the speed, precision and efficiency of variety testing.

The postdoc will be responsible for coordinating the genotyping of plant varieties (mainly maize and soybean) and the analysis of genotypic and phenotypic data from historical variety trials and new phenotyping methods using population and quantitative genetic methods (GWAS and genomic prediction) in close collaboration with agricultural research institutes and examination offices.

We are looking for highly motivated applicants with the following qualifications:

- PhD in population or quantitative genetics, plant breeding, bioinformatics or related fields
- A strong interest in population and quantitative genetics in the context of plant breeding
- Experience in genotyping and/or DNA sequencing
- Ability to write scripts in R, Python or Julia for data management and quantitative data analysis
- Experience in project development and management
- Excellent communication skills indicated by publications and conference presentations
- Networking skills for successful collaboration within an international project

We offer:

- An independent research project and the opportunity to develop follow-up projects
- Working in an international research group which is member of the Competence Unit for Plant Breeding and the Computational Science Lab of the University of Hohenheim
- Improve professional skills by participation in the Hohenheim training program for postdocs
- An opportunity to build a professional network with leading European agricultural research institutions and other stakeholders in applied plant breeding

For further information, please visit our website (<http://evoplant.uni-hohenheim.de>) or contact Prof. Karl Schmid (karl.schmid@uni-hohenheim.de).

Please submit your application as a single PDF file that includes a CV, letter of motivation and names of 2-3 references as a single PDF file by e-mail with the subject line „INVITE“ to Anja Oehlmann (anja.oehlmann@uni-hohenheim.de). Review of applications will begin on **7 March 2022** and will continue until the position is filled.