



The Institute of Quantitative Genetics and Genomics of Plants in the faculty of Mathematics and Natural Sciences of Heinrich Heine University Düsseldorf invites applications for a

Research Associate (m,f,d) in Quantitative Genetics (100 %, pay grade 13 TV-L)

at the Centre for Synthetic Life Sciences of the Heinrich Heine University Düsseldorf. The position can be filled at the next possible date and is initially limited for a period of two years. Based on performance, the position will be extended (up to 6 years). It is a qualification position in the sense of the Act of Academic Fixed-Term Contract (Wissenschaftszeitvertragsgesetz – WissZeitVG) with the aim of an habilitation.

The Institute for Quantitative Genetics and Genomics of Plants is member of the Cluster of Excellence on Plant Science (CEPLAS) and aims to identify the causes of natural phenotypic variation of crop plants on a molecular level, in order to attain an ultimate goal – the prediction of phenotypic performance under various environmental conditions. This requires combined efforts on creating novel plant material, exploiting the possibilities of *omics technologies, and developing innovative biostatistical and bioinformatical procedures.

Your tasks:

- Development, execution and analysis of experiments and project that aim to improve the prediction accuracy of natural variation of crop plants using molecular features as well as preparation of scientific publications
- Supervision of B.Sc., M.Sc., and PhD students
- Contribution to the preparation of research grants
- Contribution to teaching Quantitative Genetics and Genomics in German and English language (teaching duty of 4 semester periods per week)
- contribution with her/his expertise to collaborative research projects of the Institute

Our requirements:

- A completed scientific university education (M.Sc./M.A./Diploma/Magister) in the field of agricultural biology, quantitative biology, or related disciplines, with a PhD in plant/animal breeding/genetics
- Expertise in quantitative genetic analyses
- Excellent skills in biostatistics
- Proficiency in R programming and working in a Unix environment
- Proficiency in Unix scripting, bioinformatics tools and databases
- Excellent communication skills in English (spoken and written)
- Documented, independent scientific work
- High motivation, team spirit, and scientific creativity
- Organizational talent and mentorship experience

- Any of the following additional qualifications are an advantage:
Expertise in genetics and molecular biology, teaching experience

We offer:

- An interdisciplinary working environment in an international team of plant breeders, statisticians, molecular geneticists and bioinformaticians
- Active exchange and collaboration with partners from academia and industry in a field of constant technical and methodological development
- Very good possibility to establish an own research profile

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 at increasing 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 Benjamin Stich; email: Benjamin.stich@hhu.de.

Qualified candidates should send their applications (cover letter, curriculum vitae, research project (max. 1 DIN A4 page), two recommendation letters) by 04.09.2019 citing **reference number 138 T 19 – 3.1**

preferentially in electronic form as one PDF document to: **ines.sigge@hhu.de**

or in writing to:

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Faculty of Mathematics and Natural Sciences
Institute of Quantitative Genetics
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