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 Applied Bioinformatics (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 (Wissenschaftsvertragsgesetz - 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.

**Activities and responsibilities**

- Development of bioinformatical/biostatistical approaches for analysing nextgeneration sequencing or other *omics data sets in the field “Unravelling and prediction of natural phenotypic variation of crop plants” and 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
- Further development of the institute’s scientific data bases and organisation of the bioinformatics infrastructure

**Qualification profile**

- A completed scientific university education (M.Sc. / M.A. / Diploma / Magister) in the field of (bio-)informatics, quantitative biology or related disciplines, with a PhD
- Expertise in analysing nextgeneration sequencing and/or other *omics data sets
- Proficiency in Python and R programming
- Proficiency in Unix scripting, bioinformatics tools and databases
- Excellent skills in biostatistics
- 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

**Send application to**

Your contact person in case of questions is Benjamin Stich; email: benjamin.stich@hhu.de Qualified candidates (m/f/d) should send their applications (cover letter, curriculum vitae, research project (max. one DIN A4 page), two recommendation letters) by 05.05.2020 citing reference no. 160 T19 - 3.1 preferentially in electronic form as one PDF document to ines.sigge@hhu.de

**Research associate (m,f,d) in Applied Bioinformatics (100 %, pay grade 13 TV-L)**

Heinrich-Heine-Universität  
Düsseldorf