

We are the Federal Research Centre for Cultivated Plants and an autonomous superior federal authority directly subordinated to the Federal Ministry of Food and Agriculture (BMEL).

We are looking for a **PhD student**
in the field of **"Plant genetics"**

We offer a fixed-term employment contract of three years to work on the BMBF funded project "Identification, modification and deployment of genetic factors controlling resistance to important pathogens in barley" in the Institute for Resistance Research and Stress Tolerance based in Quedlinburg (Saxony-Anhalt, Germany) starting on November 1, 2016 provided funds are confirmed.

Your duties

- Positional isolation of resistance genes in barley
- Construction of a physical map spanning leaf rust resistance locus in barley and development of high resolution mapping population of BaMMV/BaYMV resistance gene
- Analysis of Next Generation Sequencing Data (NGS) (Use of Exome capture, PacBio, RenSeq, iSelect and GBS)
- Development of molecular markers using the barley reference sequence
- Identification of candidate genes

Your qualifications

- University degree, preferably MS, in agricultural sciences, plant breeding, biology or a comparable discipline
- Good knowledge in bioinformatics and development of molecular markers
- Good knowledge in plant breeding, genetics and phytopathology
- Excellent verbal and written communication skills in English
- Ability to work independently, technological understanding, flexibility and good teamwork skills

In case of equal qualification, applicants with disabilities will be specially considered. Only a minimum of physical fitness is required.

The Julius Kühn Institute is committed to gender equality in the workplace.

We offer

- a part-time employment with 19.5 hours a week. The employment contract will be based on the collective agreement for the public service in Germany (TVöD).
- a remuneration according to salary group E 13 TVöD-Ost, provided that the successful applicant meets the required qualification and personal specification.

Interested? To apply, please submit your complete application including the job reference no. "QLB-WA 13-16" by 15.10.2016 to

Julius Kühn-Institut
Bundesforschungsinstitut für Kulturpflanzen (JKI)
Hauptverwaltung
Erwin-Baur-Straße 27
D-06484 Quedlinburg

Please note that e-mail applications will not be considered.

Questions? For specific questions please send an e-mail to: frank.ordon@julius-kuehn.de or dragan.perovic@julius-kuehn.de