

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 BMEL funded project "Harnessing viruses resistance from *Hordeum bulbosum* for sustainable barley breeding using Omics" in the Institute for Resistance Research and Stress Tolerance based in Quedlinburg (Saxony-Anhalt, Germany) starting on November 1, 2016, provided funds will be confirmed.

Your duties

- Construction of a physical map spanning virus resistance loci in barley and development of high resolution mapping population
- Scoring BYDV and BaMMV symptoms in field and green house experiments
- Analysis and integration of Next Generation Sequencing Data (NGS)(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 science, plant breeding, biology or a comparable discipline
- Good knowledge in bioinformatics and development of molecular markers
- Good knowledge in plant breeding, plant virology and genetics
- 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 15/16 " by 15.10.2016 to

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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 or antje.habekuss@julius-kuehn.de