



OPEN POSITION

The Leibniz Institute of Plant Genetics and Crop Plant Research (IPK) in Gatersleben/Germany is one of the world's premier sites committed to basic and applied research in the following key research areas: Genetic Diversity of Crop Plants, Dynamics of Plant Genomes, and Integrative Biology of Plant Performance with special emphasis on the crop plant species barley (*Hordeum vulgare*). The institute currently hosts about 500 employees and provides state-of-the-art laboratory facilities and bioinformatics resources for high-throughput biology and plant genome analysis. The IPK has implemented state-of-the-art high-throughput phenotyping systems integrating plant phenomics approaches within a systems biology innovative continuum, from genome to phenome. The IPK is an Equal Opportunity Employer. Further information can be retrieved at <http://www.ipk-gatersleben.de>.

Applications are invited for a

Post Doctoral Scientist in plant phenomics in the research group Genome Diversity

- **Full time fixed term for 3 years**
 - **Immediately available**
- **Salary: commensurating with experience up to grade 1,0 E14 TV-L**
- **Reference number: 14/04/10**

starting at the earliest possible date for a period of three years.

The appointee will be part of a world-class multidisciplinary international research team within the IPK and in cooperation with international experts at the forefront of implementing high-throughput plant phenomics technologies and quantitative genetics to the benefit of the agricultural sector.

Your mission:

- play a key role in designing high-throughput phenotyping experiments (drought tolerance, growth parameter) for barley using the LemnaTec HTS-Scanalyzer 3-D technology
- be at the forefront in developing methods to analyze comprehensive data sets for key questions in biology
- play a key role in associating phenotyping data with whole-genome molecular marker information

Your profile:

- Phd in Agricultural Science, Biology, Bioinformatics, Physics or any other related field
- very good communication skills
- good skills in experimental design
- very good experience in plant quantitative genetics and association mapping
- interested in image analysis and in handling huge datasets
- good language skills in English

For details, please contact Dr. Benjamin Kilian (kilian@ipk-gatersleben.de).

Please send your application (electronically as pdf) including curriculum vitae, list of publications, a statement on research experience as well as names of two referees **until May 31, 2010** to:

Leibniz Institute of Plant Genetics and Crop Plant Research (IPK)

Personalwesen

Corrensstraße 3

D-06466 Gatersleben

Germany

Tel.: +49-39482-5327

Fax: +49-39482-5286

beckerj@ipk-gatersleben.de

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