

OPEN POSITION

The Leibniz Institute of Plant Genetics and Crop Plant Research (IPK, <http://www.ipk-gatersleben.de>) conducts 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 model and crop plant species barley (*Hordeum vulgare*). The institute currently hosts about 450 employees and provides state-of-the-art laboratory facilities and bioinformatics resources.

For the project **Initial Mechanisms of Pollen Embryogenesis** funded in frame of the German Research Programme GABI-FUTURE, the following position is vacant:

Post-doc

(E13 TV-L for 2.5 years)
(reference number 36/06/08)

Qualifications: comprehensive skills and experience in plant molecular and cell biology, PhD degree, communicative competence, previous research publications in peer-reviewed international journals

General project information

Haploid technology has a strong potential for facilitating fundamental research, biotechnology and practical plant breeding, but unfortunately its underlying biological processes are poorly understood. The project employs contemporary structural, molecular and biochemical approaches to elucidate initial mechanisms of pollen embryogenesis using barley, tobacco and Arabidopsis as experimental models.

For the project **Comparative Mapping, Quantitative Transcriptomics and Identification of Candidate Genes for High Oil Content** funded in frame of the German Research Programme GABI-FUTURE, the following position is vacant:

Post-doc

(E13 TV-L for 2 years)
(reference number: 37/06/08)

Qualifications: experience in the area of bioinformatics and excellent skills in molecular biology and genetics, PhD degree

General project information

A comparative genomics approach is taken to analyse seed oil accumulation in Arabidopsis and oilseed rape. The work encompasses comparative QTL mapping in these species, analysis of expression QTL in Arabidopsis via Affymetrix arrays and studies of allelic diversity in oilseed rape.

We offer an active and co-operative participation in this highly integrative and challenging approach. The scientific work will be performed in one of Germany's leading plant research institutions. Applications from women are particularly welcomed

Please send your application including curriculum vitae, a statement on research experience and two references by 22th July 2008 to:

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

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