



Two Postdoctoral Positions in Barley Structural Genomics

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 / 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 high-throughput molecular biology and plant genome analysis.

2 postdoc positions (BAT-O IIa)

are immediately available for a period of up to three years (01/01/06) for the construction of a fingerprint-contig (FPC) map of the barley genome. The incumbents will form and coordinate a team for high throughput BAC-DNA isolation, HICF-fingerprinting and contig analysis to develop a physical map of the barley genome. The map will represent a key resource for the systematic isolation of agronomically important genes and will lay the foundation for future sequencing of the barley genome.

The research project is part of collaboration with the Australian Center of Plant Functional Genomics (ACPGF) and the Technical University of Munich and is integrated in ongoing international activities regarding physical mapping in Triticeae species.

Applicants should hold a Dr. / PhD in Biology, Chemistry / Biochemistry or related areas, and provide of experience in high-throughput technology / utilization of lab automation. A strong interest in bioinformatics / database applications would be advantageous.

For details, please contact Dr. Nils Stein (stein@ipk-gatersleben.de) or Prof. Dr. Andreas Graner (graner@ipk-gatersleben.de).

Please send your application including curriculum vitae, a list of publications, a statement on research experience and two references until 20.02.2006 to:

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