



NATIONAL AGRI-FOOD BIOTECHNOLOGY INSTITUTE (NABI)

(Dept. of Biotechnology, Ministry of Science & Technology, Govt. of India)
C-127, Industrial Area, Phase VIII, S.A.S. Nagar, Mohali-160 071.(Pb), INDIA
Website: www.nabi.res.in Tel: 0172-4990300

Walk-in-Interview

Advt. No. NABI/8(33)/2015-GAP-15/2

Advertisement for Junior Research Fellow

National Agri-Food Biotechnology Institute (NABI), Mohali is an autonomous R&D Institute under Department of Biotechnology (DBT), Government of India. The institute carries out cutting edge research at the interface of Food, Nutrition and Agricultural Biotechnology.

Applications are invited for the positions of Junior Research Fellow (JRF) under the DBT sponsored research project in the Agricultural Biotechnology research programme at NABI.

Project Title: “A genomics assisted synthetic hexaploid wheat gene isolation and pre-breeding platform for improvement of heat tolerance and sustainable production”.

Principle Investigator: Dr. Monika Garg

Sponsoring agency: Department of Biotechnology (DBT), Government of India.

Position available: 2 JRF

Duration: The appointment will be for 3 years or till the termination of the project whichever is earlier, and subject to annual review for further extension that will be granted based on the research progress and accomplishments.

Objective: This project combines the generation of SHW-derived germplasm with genomics-assisted and statistical genetic approaches to establish an integrated platform for trait improvement, gene discovery and pre-breeding. This will be exploited within the project timeframe to identify novel genetic and transcriptional variation controlling heat-stress resistance for deployment within Indian and UK pre-breeding programs. The positioning of project outputs and partners at the interface between wheat genetic research and breeding in India and the UK will be leveraged to aid rapid translation of the pre-breeding resources generated into the breeding sector.

To fulfill these objectives, controlled heat stress assay, cell membrane stability (CMS), effect of heat on grain size, seed protein and starch deposition will be studied. Fractionation, quantification and differential expression studies of different proteins affected by heat stress will be carried out for marker development and its utilization for screening of generated double haploid population. Studies on starch granule distribution, accumulation pattern and amylose: amylopectin ratio in response to controlled environment stress will be studied at NABI.

Essential qualifications:

Post Graduate Degree in basic science (M.Sc.) with NET qualification
or
Graduate degree in professional course with NET qualification
or
Post Graduate degree in professional course

Professional course: Degrees in engineering/technology, medicine, pharma, veterinary and agriculture

NET: CSIR-UGC NET, MHRD-GATE, DBT-NET, DAE-JEST & JGEEBILS, NBHM, ICMR-JEE, ICAR test for Ph.D, DoP-GPAT

Desirable qualifications:

1. NET-
2. Prior research or training experience in Agricultural biotechnology, 2D-PAGE and mass spectroscopy.
3. Skills and knowledge of plant molecular biology.

Age: 28 years (5 years' relaxation for Female/SC/ST/Physically Handicapped Candidate and 3 years for OBC Candidate)

Emoluments: Rs. 25,000/- per month plus 20% HRA as per guidelines and service conditions as notified by DST OM No.SR/S9/Z-09/2012 dated 21.10.2014.

CSIR-LS will get 12000/- + HRA, as for now, but if DST/DBT revises the fellowship candidate will receive revised fellowship.

Application and Selection Process: All interested candidates may appear for walk-in-interview at NABI Interim Facility located at C-127, Industrial Area, Phase VIII, Ajitgarh (Mohali), Punjab on 25th June, 2015 at 09:00 AM along-with duly filled application form available on the website www.nabi.res.in. Further, interested candidates should also send the softcopy of the application form to monikagarg@nabi.res.in. The duly filled application form must be submitted at the time of registration at NABI-reception desk from 0900 Hrs to 1000 Hrs on 25th June, 2015. The candidates must ascertain their eligibility before applying, as ineligible candidates will not be interviewed. All the candidates are requested to appear for the interview with full CV, thesis/project report, publications and original degree certificates and transcripts. No TA/DA will be paid for appearing in the interview.

Candidates will be encouraged to register for Ph.D. One of the JRF will get chance to undertake three months training at NIAB (UK) in second year in Genetics and Bioinformatics and to attend coinciding dissemination events and workshops in UK.

Candidates awaiting their results can also apply. But there appointment will be subject to completion of the degree.

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