

**NATIONAL AGRI-FOOD BIOTECHNOLOGY INSTITUTE**  
(Deptt. of Biotechnology, Govt. of India)  
C-127, Industrial Area, Phase VIII, S.A.S. Nagar, Mohali-160 071. (Pb)  
Website: [www.nabi.res.in](http://www.nabi.res.in)

**Advt. No. NABI/5(1)/2012-Researcher**

<b>Junior Research Fellow (JRF)</b>
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National Agri-Food Biotechnology Institute (NABI), Mohali, is an autonomous R&D Institute under Department of Biotechnology, Government of India. The Institute carries out cutting edge research at the interface of agricultural, food, nutritional and post-harvest biotechnology. Major research programs aim at

- i) understanding the interactions among proteins, carbohydrates, lipids, accumulation of micronutrients, enhancing bioavailability, health functions and processing quality of foods,
- ii) crop improvement through molecular breeding and transgenic approaches,
- iii) quality and postharvest stability of farm produce, and
- iv) the development of novel food products with health potentials etc. NABI has the state of art facilities in the area of genomics (ABI 3730xl, RT-PCR, DNA analyzer, Affymetrix Microarray system, bioanalyzer, liquid handling system, automated DNA extraction system, LCM, Mass-Array (sequenom), etc), proteomics (MALDI-TOF-TOF, Q-TOF, nano-LC, HPLC, GCMS-MS, HP-TLC, UPLC, etc.), high performance computing facility, and food science (NIR, FTIR, SEM, etc.).

To accelerate high quality research, applications are invited from motivated candidates with high level of creativity, innovative research ideas and drive for carrying out research aiming at:

Sr. No.	Areas	Requirement
1.	Development of efficient virus induced gene silencing vectors for wheat and molecular mechanism of virus infectivity	One
2.	Application of VIGS for functional genomics in wheat.	One
3.	Plant Molecular Biology	Two
4.	Bioinformatics: Data mining in Crop Genomes and transcriptome	Two
5.	Postharvest biology and technology	Two

The JRF should mention their respective research interest of choice from the above areas by briefly describing their plan of work. The JRF will be hired as per the emoluments' guidelines and service conditions notified by DST (A.20020/11/97-IFD dated 31<sup>st</sup> March, 2010) varying from Rs12,000/- to Rs18,000/- per month plus HRA.

NABI may or may not select candidates against one or more of the above areas of research, depending upon the suitability of the candidate to carry out high quality research.

Applications to be sent in the prescribed format (that can be downloaded from NABI website, [www.nabi.res.in](http://www.nabi.res.in)) by post to Administrative Officer, National Agri-Food Biotechnology Institute, C-127, Industrial Area, Phase VIII, S.A.S Nagar-160071, Punjab so as to reach latest by 05.12.2012 before 6.00 PM. Applications received after the deadline will not be entertained. A copy of e-synopsis should be sent by email to [fellow@nabi.res.in](mailto:fellow@nabi.res.in). Suitable candidates will be shortlisted based on their area of qualification, training, research experience and relevance of skills to the institute. The shortlisted candidates will be called for an interview in front of a selection committee.

For more information on the above positions and "National Agri-Food Biotechnology Institute", kindly visit [www.nabi.res.in](http://www.nabi.res.in).

(Administrative Officer)