



**National Agri-Food Biotechnology Institute (NABI)**  
(Dept. of Biotechnology, Ministry of Science & Technology, Govt. of India)  
Sector-81, Knowledge City, Manauli P.O, S.A.S. Nagar-140306, Punjab, India.  
Website: [www.nabi.res.in](http://www.nabi.res.in)

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**Walk In Interview for the Positions of Research Associate (RA-I), Junior  
Research Fellow (JRF), Field Assistant (FA)**

National Agri-Food Biotechnology Institute (NABI) is an autonomous Institute under Department of Biotechnology, Government of India. NABI aims at catalysing the transformation of Agri-food sector in India by being a nodal organization for knowledge generation and translational science leading to value-added products based on Agri-Food biotech innovations for improved household nutritional security. Since its inception in 2010, NABI is involved in research activities for the Bio fortification, development of designer crops for improved nutrition, providing sustainable and novel solutions towards quality food and nutrition, and development of evidence based functional foods to counter malnutrition. Food and nutritional Biotechnology division at NABI requires following research personnel purely on temporary basis.

**Name of project:**

"Generating high-depth genomics information for the Himalaya rice cultivars for improving nutritional quality and stress tolerance (GAP-53)"

**Name of Project Coordinator & Principal Investigator:**

Prof. Ashwani Pareek, Executive Director

**Name of Co-Principal Investigator:**

Dr. Joy K. Roy, Scientist-F

**Research Positions (temporary) and number:**

Research Associate-I (RA-I) - One

Junior Research Fellow (JRF) - One

Field Assistant (FA) - One

**Duration:**

Up to March 23<sup>rd</sup>, 2025

**Project Summary:**

This is a NABI's flagship program, which is funded by Department of Biotechnology (DBT), Ministry of Science & Technology, Government of India. The network project "Development of Bio-fortified and Protein-rich Wheat" will be executed in collaboration among seven network partners. The project will include i) evaluation of wheat germplasms for Fe, Zn, folate, and grain protein content, starch quality and antinutritional factors, ii) Validation and characterization of available genes/QTLs/markers for micronutrients, iii) Development of mapping populations (F2, RILs, NILs, BCs) for genetic analysis, iv) Development of high density linkage maps and QTL maps using high throughput SNPs, v) Epistatic interactions (QTLxQTL, QTL x environment) analysis, and vi) development of wheat varieties with enhanced micronutrient content and enhanced bioavailability and bio-accessibility. The manpower detail and responsibility is given below:

<b>Manpower</b>	<b>Essential qualification</b>	<b>Experience</b>	<b>Emolument (Rs.)</b>	<b>Responsibility</b>
Research Associate-I (RA-I)	i) PhD in any branch of life sciences <b>or</b> ii) ME/ MTech in any branch of life sciences with three years of research experience <b>AND</b> (i) and (ii) must have at least one research paper in Science Citation Indexed (SCI) journal.	i) Experience in plant or agricultural biotechnology; association or linkage mapping using molecular markers;  ii) Next generation sequencing data analysis; iii) Data development	Rs.47,000/- fixed/month + 16% HRA	1. QTL mapping for micronutrients using SSRs and SNP markers through genome-wide association mapping; 2. Micronutrient data scoring on rice germplasm 3. In vitro and in vivo animal studies for bioavailability 4. Preparation of progress report, indent, manuscripts, etc
Junior Research Fellow (JRF) for first two year	Post Graduate Degree in Basic Science with NET Qualification OR Graduate Degree in Professional Course with NET qualification	Experience in bioinformatics and computational biology; next-generation genomic sequence analysis; expertise in Python programming, R-program	JRF (1st & 2 <sup>nd</sup> year): 31,000/- per month + 16% HRA	1. Analysis of next generation sequence data on genomes and transcriptomes; 2. Development of Python-based scripts for custom-design sequence data analysis; 3. Preparation of the progress report and manuscript

In 3 <sup>rd</sup> year, JRF will be converted into Senior research fellow (SRF)			3 <sup>rd</sup> year (SRF) 35,000/- per month + 16% HRA	
Field Assistant	B.Sc. or 3 years diploma in Engineering & technology	Field and lab work	Rs.20,000/- fixed/month + 16% HRA	1. Extensive field and laboratory works including data scoring, extraction, etc.

FOR JRF/RA Emoluments and Eligibility conditions are as per DST OM: SR/S9/Z-08/2018 dated January 30, 2019; Field Assistant emoluments as per DST OM: SR/S9/Z-05/2019 dated August 21, 2019

**Age:** 40 year for RA, 28 years for JRF, 50 year for FA (Relaxation is admissible in case of SC/ST/OBC/PD as per GOI instructions)

### **Application Procedure & Other Conditions**

1. All interested candidates may appear for Walk-In-Interview at National Agri-Food Biotechnology Institute located at Knowledge city, Sector-81, Mohali - 140306, Punjab on 27-04-2022 at 09:00 A.M. along with the duly filled application form available on the website [www.nabi.res.in](http://www.nabi.res.in).
2. Incomplete application forms and applications that are not in proper format may be summarily rejected.
3. The applications should be submitted strictly as per the prescribed format that can be downloaded from the NABI website.
4. Candidates applying for more than one option can give their preference in the same application by ticking multiple options. No need to submit a separate application form for each option.
5. Candidates should ensure that information mentioned in the application form is accurate. Once the application form is submitted no further request regarding any changes/ information in the application form will be considered.

6. The duly filled application form must be submitted at the time of registration at NABI from 09:00 AM to 10:00 AM on 27-04-2022.
7. The candidates must ascertain their eligibility before applying, as ineligible candidates will not be interviewed.
8. All the candidates are requested to appear for a Walk-In interview with an application form, experience certificates, publications, and original degree certificates and transcripts.
9. Original mark sheets, certificates, award/fellowship, etc must be accomplished for verification at the time of the interview, and attach one set of attested copies of the documents with the application form.
10. No TA/DA will be paid for appearing in the interview.
11. Canvassing in any form or bringing influence, political or otherwise, will lead to disqualification of the candidate(s).
12. Candidates should strictly adhere to guidelines issued by World Health Organization and Centre Govt/State Govt on Covid-19.

**Manager Administration**