



**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).

**Advertisement no. NABI/Admin/5(09)/2022-23/ACAD-10**

**Walk-In-Interview for temporary positions of Senior Research Fellow & Research Associate-I**

National Agri-Food Biotechnology Institute (NABI) is an autonomous Institute under the Department of Biotechnology, Government of India. NABI aims at catalysing the transformation of the 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 Biofortification, the development of designer crops for improved nutrition, providing sustainable and novel solutions for quality food and nutrition, and the development of evidence-based functional foods to counter malnutrition. The food and nutritional Biotechnology division at **NABI requires the following research personnel purely on a temporary basis.**

**1. Project Title: Targeting Vacuolar Phosphate Transporter (SPX-MFS) genes for improving Phosphate Use Efficiency (PUE) in rice” (MK Bhan Fellowship)**

**Principle Investigator:** Dr. Ajit Pal Singh, MK Bhan Fellow

**Positions:** Senior Research Fellow (01)

**Duration:** The research position is a purely temporary assignment and is tenable for a period of 1 (one) years. The total duration will be one years from date of joining or completion of the project whichever is earlier.

**Essential Qualification:** - Post Graduate Degree in Basic Science OR Graduate /Post Graduate Degree in professional course selected through a process described through any one of the following: - Scholars who are selected through National Eligibility Tests-CSIR-UGC-NET including Lectureship (Assistant Professorship) and GATE Additionally, candidate will be eligible for interview if they have qualified National Level examinations conducted by central government departments and their

agencies and institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, etc.

The qualification prescribed above with two years of research experience. (DST OM No. SR/S9/Z-08/2018 dated 30.01.2019).

**Desirable:** - Enthusiastic for research and with a proven track record of research in the area of agricultural biotechnology and molecular biology.

**Emoluments:** Rs. 35000/- per month Plus HRA as per project.

**Desirable Experience:** - Enthusiastic for research and with a proven track record of research in the area of agricultural biotechnology and molecular biology.

**Age:** 32 years (Relaxation is admissible in the case of SC/ST/OBC/PD and women candidates as per GOI instructions)

**Contact details:** Dr. Ajit Pal Singh, MK Bhan Fellow, NABI, India

**Email:** ajitpal.s@nabi.res.in

**2. Project title: A Nutrigenomics Driven synbiotic formulation development for the prevention of metabolic syndrome” (GAP-42)**

**Principle Investigator:** Dr. Kanthi Kiran Kondepudi, Scientist-E

**Positions:** Senior Research Fellow (01)

**Duration:** Appointment is a co-terminus with the project along with the availability of funds. It will not exceed the project.

**Essential qualifications: -**

Postgraduate degree in Basic Science or Graduate/Post Graduate in the professional course selected through a process described through any one of the following

a) Scholars are selected through National Eligibility Tests-CSIR UGC NET including Lectureship (Assistant Professorship) and GATE.

b) The selection process through National level examinations conducted by Central Government Departments and their agencies and institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER, etc. The qualification prescribed above with two years of research experience.

**Desirable Experience:** Research training in working with animal and human cell lines, histological analysis, Western blotting, HPLC, Microbiology and molecular biology techniques.

**Age limit:**

32 years (Relaxation is admissible in the case of SC/ST/OBC/PD and women candidates as per GOI instructions)

**Emoluments:**

Rs. 35000/- per month Plus HRA as per project.

**Responsibilities:**

To perform various research activities such as:

- (a) Animal handling
- (b) Evaluation of efficacy of synbiotics in cell lines and animal models of metabolic diseases, nutrigenomics and metagenomics
- (c) Assisting in preparing project reports and timely submission to the funding agency

**Objectives of the project: -**

1. Evaluation of probiotics, prebiotics and synbiotics in ameliorating MetS.
2. Nutrigenomics evaluation on the efficacy of synbiotics in preventing and treating MetS in rodents.

Contact Details: -

Project Investigator: Dr. Kanthi Kiran Kondepudi, Scientist E

Email: - kiran@nabi.res.in; Contact no. 0172-5221246

**3. Elucidating the Genetic Architecture of tillering in wheat through CRISPR/CAS based editing of Ideal Plant Architecture gene IPA1 and Teosinte Branched 1 (TB1)” (GAP49)**

**Principle Investigator:** Ajay K Pandey, Scientist-F

**Positions:** Junior Research Fellow (01 position)

**Duration:** The appointment will be initially for a period of one year. Further extension from 1<sup>st</sup> year to 2<sup>nd</sup> Year will be subject to submission of progress report submitted by selected candidate and satisfactory assessment remarks given by the reporting officer/ availability of funds. Up-gradation from JRF to SRF will be on the basis of the submission of a progress report and further assessment.

**Essential qualifications: -**

Postgraduate degree in Basic Science or Graduate/Post Graduate in the professional course selected through a process described through any one of the following

a) Scholars are selected through National Eligibility Tests-CSIR UGC NET, including Lectureship (Assistant Professorship) and GATE.

b) The selection process through National level examinations conducted by Central Government Departments and their agencies and institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER, etc.

**Desirable qualifications: -**

Proven experience in agricultural biotechnology and molecular biology, especially in area of basic molecular biology and experience in basic bioinformatics tools.

**Age limit:**

28 years (Relaxation is admissible in the case of SC/ST/OBC/PD and women candidates as per GOI instructions)

**Emoluments:**

Rs. 31000/- per month Plus HRA.

**4. Project title: Molecular analysis of metabolic pathways in rice and chickpea to improve nutritional value for better health. (NABI Core)**

**Principle Investigator:** Dr. Prafull Salvi, Scientist-C

**Positions: Research Associate-I (One position) (NABI Core)**

**Duration:** The RA fellowship is a purely temporary assignment and is tenable for a period of 1 year only, and in exceptional cases, depending upon the progress of the research, and the performance, the committee may recommend the up-gradation of RA Levels

**Essential qualifications: -**

Ph.D. in any branch of Life Sciences or Plant Biotechnology with at least one peer-reviewed international publication in Science Citation indexed (SCI) journal.

**Desirable qualifications: -**

1. Strong molecular and cell biology expertise relevant to the current project.
2. Practical experiences in plant tissue culture and genome editing.
3. Experience in protein expression in yeast and the bacterial system, protein-protein interaction will be preferred.
4. Relevant research publications in peer-reviewed journals.

**Age limit:**

40 years (Relaxation is admissible in the case of SC/ST/OBC/PD and women candidates as per GOI instructions)

**Emoluments:**

Rs. 47000/- per month plus HRA (As per DST OM No.SR/S9/Z08/2018 dated 30.01.2019)

**Responsibilities:** Recruited RA will work on genome editing in crop plants, protein-protein interaction, Co-IP, ChIP, plant tissue culture, etc. The candidate will also be responsible to manage day-to-day activities for the successful execution of the project, designing of experiments, data analysis, and writing research grants, manuscripts and progress reports.

5. **Project title:** Specificity of CRISPR-Cas9 complex in identifying and editing target sites (**NABI core grant**)

**Principle Investigator:** Dr. Vikas Rishi, Sct -G

**Positions: Senior Research Fellow (One position) (NABI Core)**

**Duration:** The appointment will be initially for a period of one year. A further extension will be subject to submitting a progress report submitted by the selected candidate and satisfactory assessment remarks given by the reporting officer/availability of funds. The extension will be based on submitting a progress report and further assessment

**Essential qualifications: -**

Postgraduate degree in Basic Science or Graduate/Post Graduate in the professional course with three years of research experience in the relevant field

**Desirable qualifications: -**

Proven experience in CRISPR/Cas genome-editing technology and molecular biology.

**Age limit:** 32 years (Relaxation is admissible in the case of SC/ST/OBC/PD and women candidates as per GOI instructions)

**Emoluments:** Rs. 35000/- per month Plus HRA

**Responsibilities:** Recruited RA will work on genome editing in crop plants, protein-protein interaction, Co-IP, ChIP, plant tissue culture, etc. The candidate will also be responsible to manage day-to-day activities for the successful execution of the project, designing of experiments, data analysis, and writing research grants, manuscripts and progress reports.

## **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 **27-10-2023 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 27-10-2023.**
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**