



**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.**

**Advertisement no. NABI/5(01)/2011-22-03-Res**

**Walk-In-Interview for temporary Positions of Junior Research Fellows/  
Project Assistant**

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.**

- 1. Project Title:** Unraveling epegetic mechanisms triggering cognitive dysfunction in hepatic encephalopathy-role of nutraceuticals

**Principle Investigator:** Dr. Aanchal Aggarwal, M K Bhan Fellow

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

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

**Essential Qualification:-**

Post graduate degree in Basic Science Or Graduate/Post Graduate in 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.

**Emoluments and eligibility** as per DST OM No. SR/S9/Z-08/2018 dated 30.01.2019

**Desirable Experience:** - Experience in working with rodents especially mice, rodent behaviour analysis, surgeries, cell culture techniques, real time RT-PCR, western blotting, immunohistochemistry, basic understanding of bioinformatics tools with strong knowledge in basic concepts of neuroscience and biochemistry.

**Responsibilities:** - Selected candidate will work in close association with the PI on the project entitled “Unravelling epigenetic mechanisms triggering cognitive dysfunction in neurodegenerative disorders”. Candidate will also be responsible to manage day to day activities for the successful execution of the project, designing of the experiments, data analysis, manuscript writing and progress report preparation.

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

**Emoluments:** Rs. 31000/- per month Plus HRA as per project.

**2. Project Title:** *“Targeting Vacuolar Phosphate Transporter (SPX-MFS) genes for improving Phosphate Use Efficiency (PUE) in rice”.*

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

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

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

**Essential Qualification:-**

Post graduate degree in Basic Science Or Graduate/Post Graduate in 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.

**Emoluments and eligibility** as per DST OM No. SR/S9/Z-08/2018 dated 30.01.2019

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

**Responsibilities:** - Selected candidates will work in close association of PI to complete the proposed research objectives of the project.

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

**Emoluments:** Rs. 31000/- per month Plus HRA as per project.

**3. Project Title:** “A Ketogenic Diet Approach to Reverse Sexually Dimorphic Neuroimmune, Neurovascular and Neurobehavioral Response to Chronic Sugar Withdrawal

**Principle Investigator:** Dr. Mohit Kumar, MK Bhan Fellow

**Sponsoring Agency:** Department of Biotechnology

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

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

**Essential Qualification:-**

Post graduate degree in Basic Science Or Graduate/Post Graduate in 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.

**Emoluments and eligibility** as per DST OM No. SR/S9/Z-08/2018 dated 30.01.2019

**Desirable Experience:** - Experience in working with rodents especially mice, rodent behaviour analysis, stereotaxic surgeries, cell culture techniques, real time RT-PCR, western blotting, immunohistochemistry with strong knowledge in basic concepts of neuroscience and biochemistry. Basic understanding of data analysis tools like Graphpad Prism and other bioinformatics tools will be plus.

**Responsibilities:** - Selected candidate will work in close association with the PI on the project to explore novel nutritional intervention for the management of substance use disorders especially sugar/palatable food dependence and associated metabolic disorders including diabetes and obesity. Candidate will also be responsible to manage day to day activities for the successful execution of the project, designing of the experiments, data analysis, manuscript writing and progress report preparation.

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

**Emoluments:** Rs. 31000/- per month Plus HRA as per project.

**4. Project Title:** “Unraveling the role of plastidial transporters in regulation of amylose biosynthesis in bread wheat”

**Principle Investigator:** Dr. Abhishek Bhandawat, M K Bhan Fellow.

**Sponsoring Agency:** Department of Biotechnology

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

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

**Essential Qualification:-**

Post graduate degree in Basic Science Or Graduate/Post Graduate in 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.

**Emoluments and eligibility** as per DST OM No. SR/S9/Z-08/2018 dated 30.01.2019

**Desirable Experience:** - Proven experience in plant molecular biology (including real-time PCR, cloning, protein purification), plant tissue culture and/or genetic transformations. Along with this, the candidate should have strong basic biology concepts and dedication towards research.

**Responsibilities:** - Candidate will be involved in developing novel protocols, designing, conducting the experiments and analysing the data. Along with this candidate must be ready to documenting, publishing the outcomes, preparing the project report and presentation.

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

**Emoluments:** Rs. 31000/- per month Plus HRA as per project.

**5. Project Title:** “Encapsulation of anthocyanin from colored wheat for food and nutraceutical applications”

**Principle Investigator:** Dr. Maninder Meenu

**Sponsoring Agency:** Department of Biotechnology

**Positions:** Project Assistant

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

**Essential Qualification: -**

M.Tech/M.Sc. in Biotechnology or equivalent degree in Life Sciences or B. Tech in Biotechnology/Food Technology with Minimum 55% marks.

**Emoluments:** Rs 12000/- PM Consolidated

**Desirable Experience: -** Extraction of phytochemicals, biochemical analysis, functional food development.

**Responsibilities: -** Selected candidate will work in close association of PI to complete the proposed research objectives of the project.

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

**Emoluments:** Rs. 12000/- per month consolidated.

### **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 08.03.2022 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 form and applications that are not in proper format may be summarily rejected.
3. The applications should be submitted strictly as per 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 separate application form for each option.

5. Candidates should ensure that information mentioned in 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 08.03.2022.
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 Walk In interview with 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 for 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 with guidelines issued by World Health Organization and Centre Govt/State Govt on Covid-19.

**Manager Administration**