राष्ट्रीय कृषि-खाद्य जैवप्रौद्योगिकी संस्थान

(जैव-प्रौद्योगिकी विभाग, विज्ञान एवं प्रौद्योगिकी मंत्रालय, भारत सरकार)

नॉलेज सिटी, पी.ओ. मनोली, सेक्टर-81, एस.ए.एस नगर, मोहाली, पंजाब(भारत)-140306

वेबसाइट: **www.nabi.res.in**.

**विज्ञापन संख्या. नाबी/प्रशासन/5(09)/2024-25/शैक्षणिक-13**

**अनुसंधान सहयोगी(02), परियोजना अनुसंधान वैज्ञानिक-1 (02), कनिष्ठ अनुसंधान अध्येता(02) और परियोजना सहयोगी-1(01) के अस्थाई पद के लिए प्रत्यक्ष/ऑनलाइन साक्षात्कार**

**Walk-in/Online Interview for the Position of Research Associate(02), Project Research Scientist-I(02), Junior Research Fellow(02) and Project Associate-I.**

**राष्ट्रीय कृषि-खाद्य जैवप्रौद्योगिकी संस्थान (नाबी), भारत सरकार के जैव प्रौद्योगिकी विभाग के अंतर्गत एक स्वायत्त संस्थान है। नाबी का उद्देश्य बेहतर घरेलू पोषण सुरक्षा प्रदान करने के लिए कृषि-खाद्य जैव प्रौद्योगिकी में नवाचारों पर आधारित मूल्यवर्धित उत्पादों की ओर ले जाने के लिए ज्ञान सृजन और अनुप्रयुक्त विज्ञान का एक नोडल संगठन होने के नाते भारत के कृषि-क्षेत्र में परिवर्तन को उत्प्रेरित करना है। 2010 में स्थापना के बाद से, नाबी जैविक सुदृढ़ीकरण, बेहतर पोषण के लिए डिज़ाइनर फसलों के विकास, गुणवत्तापूर्ण भोजन और पोषण के लिए स्थायी एवं नए समाधान प्रदान करने तथा कुपोषण से लड़ने के लिए साक्ष्य-आधारित कार्यात्मक खाद्य पदार्थों का विकास के लिए अनुसंधान गतिविधियों में कार्यरत है। नाबी में खाद्य और पोषण जैव प्रौद्योगिकी अनुभाग को अस्थायी आधार पर निम्नलिखित अनुसंधान कर्मियों की आवश्यकता है।**

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 Bio-fortification, 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.**

# Project Title:“Mass spectrometry-based proteomic approaches to study the specific and non-specific protein interactions during adipogenesis.”(NABI core)

# Principle Investigator: Dr Vikas Rishi, Scientist G Positions: Research Associate (One position)

# 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, the performance, the committee may recommend the up-gradation of RA Levels.

**Essential Qualification:-**

a. Candidates should have been awarded the Ph.d degree or has submitted his/her Ph.d thesis.

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

c. The selection process via 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 Experience:** The candidate should have experience in advanced molecular biology and biochemical methods and techniques. A candidate with experience in animal cell culture protocols and nano LC-MS/MS spectrometry, confocal microscopy is desirable. Relevant research publications in peer-reviewed journals.

**Emoluments:** Rs. 58000/- per month plus HRA (As per DST OM No. DST/PCPM/Z-06/2022 dated 26.06.2023)

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

**Contact Details:** Project Investigator: Dr Vikas Rishi, Scientist G, Email:- vikasrishi@nabi.res.in Phone no. +91 172 522 1123

# Project Title: Unravelling the Nutraceutical Potential of Millet Polyphenols in Modulating Gut-Microbiome Liver Axis in Alleviating Hepatic Endotoxemia and Steatosis” under the Investigator Initiated Research Proposals scheme, with Sanction No. EMDR/SG/12/2024-01296. (Sanctioned by ICMR-India)(GAP-81).

# Principle Investigator: Dr. Kanthi Kiran Kondepudi, Scientist-F Positions: Project Research Scientist-I (Non-medical)

# Duration: The appointment will be initially for one year. Further continuation or up-gradation will be on the basis of the, submission of a progress report and further assessment of the performance of candidates.

**Essential Qualification:-**

1. First Class Post Graduate Degree, including the integrated PG degrees. OR
2. Second Class Post Graduate Degree, including the integrated PG degrees with PhD. OR
3. For Engineering / IT / CS – First Class Graduate Degree of Four Years.
4. Research experience of more than 1 year.
5. Candidate having qualified any National Eligibility Exams for pursing PhD will be considered for the position.

**Desirable Experience:-**

1. Prior experience in phytochemical extractions, HPLC, in vitro (cell culture) and in-vivo (mice) model systems in the field of obesity, type-2 diabetes or microbiology.
2. Knowledge and working experience in the areas of metagenomics, gene expression, PCR, RT-PCR, Western Blotting, immunohistochemistry, immunocytochemistry etc.
3. Working experience with analytical techniques such as HPLC/GC etc.

**Job Profile:** This project will use phyto-chemistry, microbiology, biochemistry and work with *in-vitro* and *in-vivo* models. The selected candidate will work in a project aimed at understanding the role of millet polyphenols in mitigating diet-induced fatty liver disease; understanding the gut - gut Microbiome - Liver communication; characterization of millet polyphenols using analytical methods and functional food development.

**Emoluments: R**s. 56000/- per month plus HRA (As per ICMR sanction letter EMDR/SG/12/2024-01296)

**Age limit:** 35 Years (Relaxation is admissible in case of SC/ST/OBC/PD as per GOI Instructions)

**Contact Details:** Dr. Kanthi Kiran Kondepudi, Scientist-F; Email:- [kiran@nabi.res.in; kanthikiran.kondepudi@gmail.com](mailto:kiran@nabi.res.in;%20kanthikiran.kondepudi@gmail.com) ; Contact no. 0172-5221246

# Project Title:Unravelling the molecular roles of Rice Seed-expressed bZIP (RISBZs) Transcription Factors using genome editing approach.”(GAP-66).

# Principle Investigator: Dr. Prafull Salvi, Scientist-C Positions: Junior Research Fellow (JRF) (One position)

# Duration: The appointment will be initially for one year subject to the availability of funds by the funding agency. Further up-gradation will be on the basis of the submission of a progress report and further assessment.

**Essential Qualification:-**

1. 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: -
2. Scholars who are selected through National Eligibility Tests-CSIR-UGC-NET including Lectureship (Assistant Professorship) and GATE
3. The selection process through National Level examinations conducted by central government departments and their agencies and institutions such as DST, DBT, ICMR, etc.

**Desirable Experience:-**

1. Prior experience in rice tissue culture will be preferred.
2. Experience in gateway cloning and western blotting.
3. Experience in CRISPR/Cas genome editing system.

**Job Profile:** The selected candidate will be involved in a project aimed at comprehending the significance of molecular determinants and associated pathways focusing on enhancing seed vigour and stress tolerance response for crop improvement.

**Emoluments:** Rs. 31000/- per month plus HRA (As per DST OM No.SR/S9/Z08/2018 dated 30.01.2019)

**Age limit:** 28 Years (Relaxation is admissible in case of SC/ST/OBC/PD as per GOI Instructions)

**Contact Details:** Dr. Prafull Salvi, Scientist-C; Email:- prafull.salvi@nabi.res.in; Contact no. +91 172 522 1127

# Project Title:“Targeting Microglia and Brain-Derived Macrophages to Reverse Compulsive Sugar Eating and Sugar Withdrawal Symptoms.” (GAP-82).

# Principle Investigator: Dr Mohit Kumar, Scientist-C Positions: Project Research Scientist-I (Non-Medical)

**Duration:** The initial appointment will be one year, which may be extended to two years, subject to the project duration and performance. The position will co-terminate with the project.

**Essential Qualification:** First-class post-graduate (PG) degree (including integrated PG) such as M.Pharm/M.Sc/M.Tech or Equivalent (with specialization in Pharmacology/ Biotechnology/ Biochemistry/ Life Sciences/ Neuroscience)

**Desirable Experience:-**

1. Strong knowledge of basic concepts of brain anatomy, behaviour neuroscience, immunology, molecular biology and biochemistry especially metabolic pathways.
2. Practical knowledge of general molecular biology techniques such as qPCR, western blotting, immunohistochemistry, ELISA and flow cytometry.
3. Comfortable working with experimental animals (mice).
4. Basic knowledge of statistics and bioinformatics tools for RNASeq data analysis will be a plus.

**Area of research:** Immunology, Biochemistry, Molecular Biology, Neuroscience.

**Emoluments:-** Rs. 56,000 + HRA as admissible

**Age limit:-** 35 Years

**Contact Details:** Dr Mohit Kumar, Scientist-C, Food & Nutrition Biotechnology Division, Email: mohit.ku@nabi.res.in. Phone: 01725221247

# Project Title:“Molecular characterization of candidate genes associated with reproductive development in Arabidopsis and Sorghum.” (GAP-76)

# Principle Investigator: Dr. Rita Sharma, Scientist-E Positions: Research Associate –I (01)

**Duration:** The RA fellowship is a purely temporary assignment and is tenable for a period of 1 year only, and depending upon the progress of the research and the performance, the committee may recommend further extension of tenure.

**Essential Qualification:** PhD in any branch of life sciences or biotechnology with at least two first author peer-reviewed research publications (if degree is awaited proof for provisional degree has to be submitted)

**Desirable Experience:** Experience in growing plants, plant tissue culture, plant transformation, plant physiological and biochemical assays, basic molecular biology techniques. Acquaintance with the Basic Bioinformatics tool is expected.

**Emoluments:** Rs.58,000/-month + HRA, (As per DST OM: DST/PCPM/Z-06/2022 dated June 26, 2023).

**Age limit:** 40 years for RA

**Contact Details:** Dr. Rita Sharma, Scientist-E, Email: rita.sh@nabi.res.in Phone: +91 172 522 1252

# Project Title:“Molecular characterization of candidate genes associated with reproductive development in Arabidopsis and Sorghum.”(GAP-76).

# Principle Investigator: Dr. Rita Sharma, Scientist-E Positions: Junior Research Fellow (01)

**Duration:** The appointment will be initially for one year as JRF. Further continuation is subject to progress assessment and availability of funds.

**Essential Qualification:-**

1. MSc/ M.Tech in Botany/Biotechnology/Biochemistry/Agriculture/Plant Molecular Biology/Bioinformatics or allied sciences
2. 55% total marks or equivalent score in the qualifying degree (5% relaxation in marks will be given to SC/ST/OBC(non-creamy layer)/PWD as per GOI norms)
3. In addition to the above, candidates applying for admission must qualify a national-level test for pursuing the Doctor of Philosophy program. Such tests include doctoral fellowship or admission eligibility tests conducted at the national level by recognized government agencies, such as the University Grants Commission (UGC), Council for Scientific and Industrial Research (CSIR), Indian Council for Medical Research (ICMR), Department of Science and Technology (DST), Department of Biotechnology (DBT), or any other government-recognized agency.

**Desirable Experience:** General plant molecular biology and plant tissue culture-related techniques, plant transformation.

**Emoluments:** Rs. 37000/- per month Plus HRA.

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

**Contact Details:** Dr. Rita Sharma, Scientist-E, Email: rita.sh@nabi.res.in Phone: +91 172 522 1252

# Project Title:“Molecular characterization of candidate genes associated with reproductive development in Arabidopsis and Sorghum.”(GAP-76).

# Principle Investigator: Dr. Rita Sharma, Scientist-E Positions: Project Associate I (01)

**Duration:** The appointment will be initially for one year. Further continuation is subject to progress assessment and availability of funds.

**Essential Qualification:-**

Master’s Degree in Botany/Biotechnology/Biochemistry/Agriculture/Plant Molecular Biology/Bioinformatics or allied sciences from a recognized University or equivalent.

**Desirable Experience:** General plant molecular biology and plant tissue culture-related techniques, plant transformation..

**Emoluments:** The Project Associate I will be hired with the emoluments Rs. 31,000/- + 8% HRA (For NET and GATE qualified candidates) and Rs. 25,000/- +8% HRA (For Non-NET/ GATE qualified candidates)

**Age limit:** 35 Years (Relaxation is admissible in case of SC/ST/OBC/PD as per GOI Instructions)

**Contact Details:** Dr. Rita Sharma, Scientist-E, Email: rita.sh@nabi.res.in Phone: +91 172 522 1252

**आवेदन प्रक्रिया और अन्य शर्तें**

**Application Procedure & Other Conditions**

1. सभी इच्छुक उम्मीदवार वेबसाइट www.nabi.res.in पर उपलब्ध विधिवत भरे हुए आवेदन पत्र के साथ **28.02.2025 को सुबह 09:00 बजे नॉलेज सिटी, सेक्टर-81, मोहाली, पंजाब (भारत)-40306** स्थित राष्ट्रीय कृषि-खाद्य जैव प्रौद्योगिकी संस्थान में प्रत्यक्ष साक्षात्कार के लिए उपस्थित हो सकते हैं।

All interested candidates may appear for Walk-In-Interview at **National Agri-Food Biotechnology Institute located at Knowledge city, Sector-81, Mohali, Punjab- 140306, on 28.02.2025 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). (Phone No. 0172-5221245)

2. अपूर्ण आवेदन पत्र और उचित प्रारूप में न होने वाले आवेदनों को तुरंत अस्वीकार किया जा सकता है।

Incomplete application forms and applications that are not in proper format may be summarily rejected.

3. आवेदन पत्र निर्धारित प्रारूप के अनुसार ही प्रस्तुत किए जाने चाहिए, जिसे नाबी की वेबसाइट से डाउनलोड किया जा सकता है।

The applications should be submitted strictly as per the prescribed format that can be downloaded from the NABI website.

4. एक से अधिक पदों के लिए आवेदन करने वाले उम्मीदवार एक ही आवेदन फार्म में विभिन्न पदनाम लिखकर अपनी प्राथमिकता दे सकते हैं। प्रत्येक पद के लिए अलग से आवेदन पत्र जमा करने की आवश्यकता नहीं है।

Candidates applying for more than one post can give their preference by writing different designations in the same application form.

5. उम्मीदवारों को यह सुनिश्चित करना चाहिए कि आवेदन पत्र में उल्लिखित जानकारी सही है। एक बार आवेदन पत्र जमा हो जाने के बाद आवेदन पत्र में किसी भी परिवर्तन/जानकारी के संबंध में आगे कोई अनुरोध नहीं माना जाएगा।

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. विधिवत भरा हुआ आवेदन पत्र **28.02.2025 को प्रातः 09:00 बजे से प्रातः 10:00** बजे तक नाबी में पंजीकरण के समय जमा किया जाना चाहिए।

The duly filled application form must be submitted at the time of registration at NABI from **09:00 AM to 10:00 AM on 28.02.2025**.

7. उम्मीदवारों को आवेदन करने से पहले अपनी पात्रता सुनिश्चित करनी चाहिए, क्योंकि अयोग्य उम्मीदवारों का साक्षात्कार नहीं लिया जाएगा।

The candidates must ascertain their eligibility before applying, as ineligible candidates will not be interviewed.

8. सभी उम्मीदवारों से **आवेदन पत्र, अनुभव प्रमाण पत्र, प्रकाशन और मूल डिग्री प्रमाण पत्र और प्रतिलेख** के साथ प्रत्यक्ष साक्षात्कार के लिए उपस्थित होने का अनुरोध किया जाता है।

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. साक्षात्कार के समय सत्यापन के लिए **मूल मार्कशीट, प्रमाण-पत्र, पुरस्कार/फैलोशिप आदि अवश्य साथ लेकर आएँ और आवेदन पत्र के साथ दस्तावेजों की सत्यापित प्रतियों का एक सेट** संलग्न करें।

**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. साक्षात्कार में उपस्थित होने के लिए कोई टीए/डीए नहीं दिया जाएगा।

No TA/DA will be paid for appearing in the interview.

11. किसी भी प्रकार से पक्ष की माँग करने या राजनीतिक अथवा अन्य प्रभाव डालने का परिणाम

उम्मीदवार(ओं) को अयोग्य घोषित करना होगा।

Canvassing in any form or bringing influence, political or otherwise, will lead to disqualification of the candidate(s).

12. उम्मीदवारों को कोविड-19 पर विश्व स्वास्थ्य संगठन और केंद्र सरकार/राज्य सरकार द्वारा जारी दिशा-निर्देशों का सख्ती से पालन करना चाहिए।

Candidates should strictly adhere to guidelines issued by World Health Organization and Centre Govt/State Govt on Covid-19.

13. विशेष परिस्थितियों में, उम्मीदवार परियोजना अन्वेषक से (ईमेल के माध्यम से) ऑनलाइन साक्षात्कार करवाने का अनुरोध कर सकते हैं। ऐसे अनुरोधों को पहले से ही प्रस्तुत किया जाना चाहिए, अधिमानतः निर्धारित साक्षात्कार तिथि से कम से कम एक सप्ताह पहले। हालाँकि, अंतिम निर्णय चयन समिति द्वारा विशेष परिस्थितियों का पता लगाने और उम्मीदवार (उम्मीदवारों) को ऑनलाइन साक्षात्कार के लिए अनुमति देने पर लिया जाएगा। संस्थान ऑनलाइन/ऑफ़लाइन माध्यम से साक्षात्कार आयोजित करने का अधिकार सुरक्षित रखता है।

In the event of special circumstances, candidates may request the project investigator (via email) to conduct their interviews online. Such requests must be submitted well in advance, preferably at least one week prior to the scheduled interview date. However, the final decision will be taken by the selection committee to ascertain the special circumstances and allow the candidate (s) for an online interview. The Institute reserves the right to conduct the interview in online/offline mode.

14. साक्षात्कार के परिणाम एनएबीआई वेबसाइट पर प्रकाशित किए जाएंगे।

Interview results will be published on the NABI website.

**नोटः साक्षात्कार की तिथि से कम से कम दो सप्ताह पहले पीआई से ऑनलाइन साक्षात्कार के लिए अनुरोध किया जा सकता है तथा इसके लिए वैध कारण भी बताना होगा।**

**Note: Permission for online interview may be sought from the PI at least one week prior to the interview date and a valid reason must be given for the same.**

 

**(प्रबंधक प्रशासन)**

**(Manager Administration)**