



नैनो विज्ञान एवं प्रौद्योगिकी संस्थान

(विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार का एक स्वायत्त अनुसंधान संस्थान)

नॉलेज सिटी, सेक्टर- 81, एस.ए.एस. नगर, मोहाली- 140306, पंजाब

INSTITUTE OF NANO SCIENCE & TECHNOLOGY

(An Autonomous Research Institute of the Department of Science and Technology, Government of India)

Knowledge City, Sector-81, SAS Nagar, Mohali-140306, Punjab

No: 14(15)/2023-INST

Date: 11.10.2023

Advertisement for position of 'Junior Research Fellow' under the 'DST' funded project at Institute of Nano Science and Technology

Applications are invited from highly motivated and bright candidates for engagement of **Project Junior Research Fellow** in the research project funded by '**Department of Science and Technology**, Government of India at Institute of Nano Science and Technology, Mohali.

Title of the Research Project: Smartphone-enabled detection of cystic fibrosis using the lead-free perovskites-based paper wearable analytical device

Principal Investigator: Dr. Bhanu Prakash, Scientist D

Name of the position available: Junior Research Fellow (JRF)

Number of positions available: One

Qualifications:

Essential: 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) or GATE.
- 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 Experience: Prior experience is not necessary for this position, however candidate having experience in either of the following areas will be preferred:

- Experience in material synthesis/chemistry
- Fundamental understanding of fluid mechanics and flow simulation through COMSOL/ANSYS etc.
- Prior experience in chemical sensing/bio-sensing or gas sensing

Age limit: : **Must not be over 28 years as on 25th October 2023**, which is relaxable for certain reserved categories as per rules of Government of India.

Fellowship: 31,000 INR + HRA (as applicable)

Last date of receipt of application: 25th October, 2023

Mode of Interview: Hybrid Mode (**Online/offline**)

Duration: Initially one year and may be extended based on performance of the candidate and availability of funds.

General Terms and Conditions:

- The position is purely temporary and on contractual basis and **renewable subject to satisfactory performance for a maximum of six months/till the completion of the project whichever is earlier.** The position is **co-terminus** with the project. ***Candidate selected for this position can also apply for the regular PhD program of INST provided they satisfy eligibility criteria.***
- The position is purely temporary and on contractual basis. The position is co-terminus with the project.
- No TA/DA will be paid for attending the interview.
- **Original documents of age proof/certificates/degrees/mark sheets and other testimonials must be presented along with the self-attested photocopies of these documents at the time of interview (when interview will take in person).**

Only shortlisted candidates will be communicated through email to appear in the interview and no other communication in this regard will be entertained.

Completed **applications in the prescribed format** as annexed should reach to the following address **by 25th October 2023 via email attachment (complete one combined PDF) addressed to:**

For any query, candidates can contact on following address

Dr. Bhanu Prakash, Scientist D

Microfluidics Research Laboratory (#D14)

Institute of Nanoscience and Technology (INST),

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