राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान भुवनेश्वर

परमाणु ऊर्जा विभाग, भारत सरकार का एक स्वयं शासित संस्थान

(अनुसंधान और विकास अनुभाग)

NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH BHUBANESWAR

(An autonomous research institution under Department of Atomic Energy, Govt. of India)

Jatni, Khurda, Odisha - 752050

Research & Development Section

Advertisement No.: NISER / R&D-242 / BL2201 / 08 / 2024-2025

Applications from Indian nationals are invited for **one temporary position** of **Senior Project Associate** under the project entitled "To identify metabolic biomarkers for microbiome for early detection of a) Type-2 Diabetes (T2D), b) Obesity, c) Stress (anxiety & depression, SAD), and d) neurodegenerative diseases (NDD) & Longitudinal Study of Impact of Probiotics" in the School of Biological Sciences, NISER Bhubaneswar funded by Axilor Ventures Private Limited.

QUALIFICATION:

1. Master's degree in Biology or Biological/Life-Sciences/Environmental Sciences from a recognized university or equivalent; and

2. **Minimum Four years** of experience in research and development in industrial and/or academic Institutions or science and technology organizations and scientific activities and services.

OR

Doctoral Degree in Biology or Biological/Life-Sciences from a recognized university or equivalent.

Preference will be given to the candidate with

- Experience in solving advanced biological problems and gene/metabolite networking and pathway analysis is required.
- Hands-on experience in Metabolomics data acquisition using LC-MS/MS and/or NGS systems.
- Hands-on experience in Bioinformatics and Computational biology along with prior knowledge in AI-ML, and advanced level of python, is highly desirable.
- Interests in applying knowledge to high-impact translatable biological research and solving advanced biological problems and networking, is required.
- Understanding univariate and multivariate statistics and statistical packages would be required.
- Knowledge in handling and dealing with data for correlation and regression would be a plus.
- Prior knowledge in handling various omics (transcriptomics, metagenomics, metabolomics) and image processing would be preferable.

The Aich Lab (https://www.niser.ac.in/profile/palok.aich) focuses on understanding the role of the intestinal microbiome on the gut-adipocyte-brain axis. For this industry-funded project, we plan to explore host metabolome to identify individuals' metagenome profiles.

The work would also involve the identification of novel probiotics and their prophylactic or therapeutic roles. Knowledge of expertise in wet lab work with essential knowledge of bioinformatics would be a plus. People with experience and interest in these areas with a strong desire for

innovative research are preferred. The job involves but not limited to a) collection of clinical samples under the supervision of Clinical collaborators from AIIMS Bhubaneswar, b) processing of samples for downstream experiments and analysis.

Monthly Emoluments: ₹42,000/- pm plus HRA as per rules

AGE: 40 years as of **08.07.2024**, age relaxation to entitled categories per GOI rules.

The above position is purely temporary for six months or completion of the project, whichever is earlier and strictly co-terminus with the project and not leading to any Ph.D. degree in NISER. It would, therefore, not confer any right/ claim, implicit or explicit, for consideration/ absorption against any NISER post.

Shortlisted candidates will be informed and called for the interview**; details of the interview will only be communicated to the eligible short-listed candidates**. They need to email their application (enclosed) along with their detailed CV (Biodata), scanned copies of relevant certificates, at least two letters of recommendation stating the skills and expertise of the candidate, and the proforma (given on following pages of this document) to recruit_bio2201@niser.ac.in, by **July 8th, 2024** as a single document. **Please put "Senior Project Associate" in the subject line of the email**. For any relevant queries, please contact Prof. Palok Aich by the email above.

No TA/DA will be paid to the candidate for appearing in the interview or joining the position.

Dean (R&D)

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विज्ञापन संख्या : **NISER / R&D-242 / BL2201 / 08 / 2024-2025**

भर्ती के लिए आवेदन पत्र

Application for recruitment to the post of **Senior Project Associate**

Paste your recent colour passport photograph

1. पूरा नाम (स्पष्ट अक्षरों में) | Full Name (In Block Letters):

   _____

2. पिता / पति का नाम | Father's / Husband's Name:_____

3. जन्मतिथि | Date of Birth   :_____

4. उम्र | Age as on (दिनांक 08.07.2024)   :_____

5. पत्राचार के लिए डाक का पता   :_____

   Postal Address for Correspondence   _____

   _____

   _____

6. स्थाई पता | Permanent Address   :_____

   _____

   _____

   _____

7. (a) कॉन्टैक्ट नं | Contact No.   : _____

   (b) ई-मेल | E-mail   :_____

8. क्या अ.जा./ अ.ज.जा./अ.पि.व./ शा.वि. में आते हैं ?   :_____

   Whether belongs to SC/ST/OBC/PWD

   (*जाति प्रमाण-पत्र का नकल संलग्न किया जावे | Copy of Caste Certificate to be enclosed*)

09. शैक्षणिक योग्यताएँ (स्नातक से) | Educational Qualifications (Starting from Graduation):

परीक्षा का नाम | Name of the Examination	बोर्ड/ विश्वविद्यालय/ संस्थान Board/ Univ./ Institute	उत्तीर्ण होने का वर्ष | Year of Passing	विषय | Subjects	अंको का प्रतिशत Percentage of Marks

10. अनुभव, यदि कोई हो | Experience, if any:

संगठन/ नियोक्ताका नाम Name of Organisation/ Employer	सेवा अवधि वर्ष तथा माह Period of Service in Year & Months	पदनाम Designation	वेतनमान तथा मूल/ सकल वेतन Scale of Pay & Basic/ Gross Emoluments	कार्य की प्रकृति Nature of duties

मैं सत्यनिष्ठा से पुष्ट करता / करती हूँ कि उपर्युक्त जानकारी मेरी अधिकतम जानकारी और विश्वास के अनुसार सही है। यदि मेरे द्वारा दी गयी कोई जानकारी किसी भी चरण पर गलत पायी जाती है, तो मेरा आवेदन रद्द किया जा सकता है |

I do solemnly affirm that the above information given by me is true to the best of my knowledge and belief. If any information given by me is found to be incorrect at any stage, my candidature may be cancelled.

दिनांक | Date :

स्थान | Place :

आवेदक का हस्ताक्षर | Signature of Applicant