Advertisement No. NIBMG/ACAD/PROJECT RECT/2025-26/170   Date: 10-09-2025

<u>Positions available</u>

Project name: Identifying omics-based biomarkers for immunotherapy response in Indian oral cancer: A prospective study

Funding Agency: Lady Tata Memorial Trust

Project tenure: 3 years

Principal Investigator's name: Dr. Nidhan K Biswas

Project Description: Despite the recent encouraging results in clinical trials, immunotherapy failure is common in oral cancer (only 40-50% of patients respond). In the present project we aim to characterize genomic alterations in Indian OSCC patients receiving immunotherapy coupled with triple-metronomic chemotherapy or platinum and taxane therapy. With the help of omics-based approaches, we aim to differentiate immunotherapy-responder and non-responder patients. Our goal is to identify the immunogenetic changes that are associated with better or worse immunotherapy response, opening opportunities for additional treatment modalities in specific non-responders.

Name of the position	No. of position vacant	Consolidated Remuneration [INR] Per Month	Essential Qualifications	Desirable Qualifications	Nature of Duty
Project Associate - II	1	(i) INR 35,000 + 27% HRA (consolidated per month)	1. Post Graduate Degree in Life Sciences from a recognized University or equivalent. 2. At least 2 years of research experience in NGS. 3. Prior publications in peer-reviewed journals in the area of cancer omics. 4. Age should not exceed 32 years on the date of advertisement.	1. Candidates with proven experience of multi-omics data analysis will be preferred. . Candidates with prior experience with next-generation sequencing platform technologies (Exome, Transcriptome, TCR sequencing) will be given preference. 3. Experience in at least one of the following programming languages is desired – Unix, R, Python.	Person hired will be responsible for day-to-day research activities related to multi-omics data generation form the cancer patient samples (DNA and RNA sequencing) as required for the proposed project. He/She will be also responsible for analyzing multi-omics data using standard bioinformatics pipelines and interpreting the results.

Project Technician * (TMH Mumbai)	1	(i) INR 20000+27% HRA (consolidated per month)	1. B.Sc. / 3 years diploma in Engineering and Technology	1. Candidates with experience of working in hospital/clinical care settings and patient sample collection/follow-up will be preferred. 2. Candidates with hands-on experience in molecular biology assays will be preferred.	Person hired will be responsible for clinical patient sample collection, follow-up and laboratory assays (DNA and RNA isolation, routine molecular biology assays) * **This project personnel need to work in TMH, Mumbai.**

This position is contractual, and appointments will be initially for one year, which is extendable depending upon the performance and requirements of the project.

1. Detail CV, application form and relevant documents of interested candidates in the **attached format (next page)** (**Annexure-I**) have to be compulsorily sent to Dr Nidhan K Biswas (**nkb1@nibmg.ac.in**.) in the attached format PI of project

2. The last date of application is **24-09-2025 (5PM).**

3. Date of Interview will be shared with shortlisted candidates Only.

4. Please visit our website **www.nibmg.ac.in** for further information.

5. The decision of NIBMG in all matters relating to eligibility, acceptance or rejection of application, mode of selection, and conduct of interviews will be final and binding on the candidates.

ASSOCIATE DIRECTOR

BRIC a DBT Organization · **NIBMG** राष्ट्रीय जैवचिकित्सा जीनोमिक्स संस्थान National Institute of Biomedical Genomics

Annexure-I

Application Form for Selection under Research Projects/Studies

Advt. No.: _____

Project Name: **Identifying omics-based biomarkers for immunotherapy response in Indian oral cancer: A prospective study**

Affix a Recent Passport Size Photograph

1. **Name in full (in block letters)**

2. **Address (in block letters)**
    (i) For Communication _____

    (ii) Present _____

    (iii) Permanent _____

    (iv) Email: _____

    (v) Phone (Mobile): _____

3. **Particulars of age and birth** (as per Matriculation or equivalent Certificate)

    (i) Date of Birth (DD-MM-YYYY) _____   (ii) **Age:** _____

    (iii) **Place of Birth** _____   (iv) **Nationality:** _____

4. **Other Particulars:**

   Gender: **Marital Status:**

5. **Father's Name** _____ **Mother's Name**_____

   Spouse Name _____

6. **Category (SC/ST/OBC):**
   (Please attach a photocopy of the relevant certificate)

7. **Particulars of Qualification and Experience:**
   (Please feel free to attach a separate sheet in case of insufficient space. Original Certificate/testimonials in support of qualification & experience would be required to be shown at the time of interview & joining (if selected)

   All the relevant attachments should be merged in a single PDF format.

   (i) Qualifications (in reverse chronological order): -

Educational/Technical/ Professional Exam Pursuing/Passed *(Full Time/ Part Time)*	Main Subject	Grades/ Division	% of marks obtained	Year of passing	Name of the University/ Board

(ii) Whether NET/GATE Qualified: Yes/No

   If yes, please submit details. _____

(iii) Total Experience (in reverse chronological order):

Employer	Designation	Period From	To	Length of Yrs Months	Nature of duties/ area of specialization etc.	Remuneration (Rs.)

(iv) **Any Other relevant Information** (Details of Special achievements, Publications, etc., if any)

(v) Relevant Experience:

a) Hands-on experience in multi-omics next-generation sequencing data generation :

□ Yes □ No

Details of experience (Maximum 50 words):

_____

_____

_____

b) Hands-on experience multi-omics data analyses:

□ Yes   □ No

Details of expertise (Maximum 50 words):

_____

_____

_____

_____

c) Hands-on experience with programming languages:

□ Yes   □ No

Details of experience (Maximum 50 words):

_____

_____

_____

_____

d) Proficiency in English communication and writing skills

□ Yes   □ No

I hereby declare that all particulars in this form are correct and true to the best of my knowledge & belief, and nothing has been concealed therein. I shall bring the original degrees, certificates, and other documents in support of the above information for verification at the time of test/interview.

_____

PLACE: _____   SIGNATURE OF THE APPLICANT

DATE: