

Advertisement No. NIBMG/ADMIN/ESTB/2025-26/46

Date: 22-05-2025

**Positions available: Online Walk-In Interview**

National Institute of Biomedical Genomics (NIBMG) Kalyani is an Institute of Government of India, Ministry of Science & Technology, Department of Biotechnology. The Institute has created the necessary physical infrastructure and critical platform technologies to support research, translation and training in biomedical genomics.

Applications are invited for the position of Project Linked Persons for extramural projects to be executed by the National institute of Biomedical Genomics, Kalyani. Selected applicant will be appointed up to **30<sup>th</sup> September 2025**. The tenure of appointment may be extended depending on performance and availability of funds.

**Project Name:** Title: Diabetic Retinopathy Microbiome Study-India (DRMS-India)

**Principal Investigator's name:** Dr. Souvik Mukherjee

**Research Description:** Diabetes affects 10% of Indian adults, with diabetic retinopathy (DR) impacting up to 20%, causing irreversible vision loss in 4%. Current DR treatments often have low success rates and lengthy procedures. Recent research in Telangana and Andhra Pradesh highlighted links between gut bacteria and DR in those with diabetes. The DRMS aims to deepen this connection by analyzing stool samples from people with diabetes, diabetes-related retinopathy, and those without health issues. Participants will provide stool and blood samples at no cost. Stool DNA analysis will identify bacteria, while blood tests will assess diabetes levels and related conditions routinely checked in diabetics. This study seeks to shed more light on the role of gut bacteria in DR progression for better understanding and potential treatment advancements.

In this project the Project Associate applicant will be responsible for handling the biological sample like stool and blood, Microbiome DNA isolation, PCR and DNA sequencing.

**Place of Work:** National Institute of Biomedical Genomics, P.O.: N.S.S., Kalyani 741251, West Bengal.

Name of the Position	No. of position	Essential Education Qualification	Desirable Qualification	Nature of work & Responsibilities	Consolidated and fixed monthly emolument (₹)
<b>Project Associate 1 (Data Analyst)</b>	<b>1</b>	<p>1. Post Graduate Degree in Natural Sciences or bachelor's degree in engineering or technology or medicine from a recognized University or equivalent</p> <p>2. Age limit 35 years as on last date of application</p>	<p>1. Hands on experience in DNA sequence data analysis from FASTQ files, particularly on Human genomic or Metagenomic samples using standard data analysis pipeline.</p> <p>2. Proficiency in Shotgun Metagenomics and 16SrRNA GeneSequence dataanalysis.</p> <p>3. Good knowledge in Perl/Python, Linux, and R programming</p> <p>4. Proficiency in English and good communication skills in English and good communication skills</p>	<p>1. Analysis of DNA, RNA sequence files from massively – parallel sequencing platforms, andpreparing summariesand reports of data analysis.</p> <p>2. Performing day to day statistical analysis on the analyzed data and assisting the Project PI for data interpretation and coordination with other participating centers</p> <p>3. Development of newer analysis pipelines focusing on human genomic and metagenomic data analysis</p> <p>Management of the documents and procurement of the items pertaining to the project</p>	<p>1. 31,000 + 27% HRA = 39,370 (i)To scholars who are selected through (a) National Eligible Tests- CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions.</p> <p>2. 25.000/- +27% HRA for others who do not fall under(i) above.</p>

1. This position is contractual. The appointment will be initially up to **30th September 2025**, which is extendable depending upon performance, requirement of the project and availability of funds.
2. Interested candidates need to send mail with a copy of the CV in attached proforma (Annexure-I) to **applsmlab@gmail.com**.
3. The Online Interview has been scheduled for **04-06-2025 (from 11am)** on **TEAMS Platform**. **Link will be shared only with eligible candidates via email.**
4. The last date of sending CV is **01-06-2025**. **(up to 12 midnight)**.
5. Please visit **www.nibmg.ac.in** for further information.
6. All Educational, Professional and Technical qualifications should be from a recognized Board/University. Fulfillment of essential qualifications and experience does not automatically entitle a candidate to be shortlisted or called for Interview.
7. Canvassing in any form or bringing influence will lead to disqualification of the candidate. 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. In exceptionally meritorious cases, the eligibility requirements may be relaxed by the Competent Authority.

**Associate Director**

# Annexure-I



## Application Form for Selection under Research Projects/Studies

Advt. No.: \_\_\_\_\_

Project Name.: \_\_\_\_\_

*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 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 attachment 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 give details. \_\_\_\_\_

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

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

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

**(v) Relevant Experience:**

- **Hands on experience in DNA sequence data analysis from FASTQ files, particularly on Human genomic or Metagenomic samples using standard data analysis pipeline**

☐ Yes ☐ No

Details of experience (Maximum 50 words):

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- **Proficiency in Shotgun Metagenomics and 16S rRNA Gene Sequence data analysis**

☐ Yes ☐ No

Details of expertise (Maximum 50 words):

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- **Good knowledge in Perl/Python, Linux, and R programming**

☐ Yes ☐ No

Details of experience (Maximum 50 words):

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- **Proficiency in English and good communication 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: