

NATIONAL INSTITUTE OF BIOMEDICAL GENOMICS*(An Autonomous Institution of the Government of India)***P.O.: N.S.S., Kalyani 741251, West Bengal, INDIA****www.nibmg.ac.in****Advertisement No: NIBMG/ADMIN/ESTB/Advt./2024-25/ 322****Date:20-12-2024****Influence of Host Genomic Alterations on Atopic Dermatitis and Involvement of Gut-Skin Metagenomic Axis****Project Description**

We are seeking a highly motivated Project linked Junior Research Fellow (JRF) to join our project on Atopic Dermatitis (AD) **funded by West Bengal DST-BT**. The JRF will collect and process biospecimen, including blood, skin swabs, skin tissue, and stool samples, from hospital OPDs in coordination with clinicians and patients. They will isolate microbial and host DNA/RNA, perform molecular biology techniques such as PCR and sequencing, microbiological culture and coordinate data analysis, report generation, and visualization. The project aims to investigate host-microbiome interactions, identify microbial and genetic markers associated with AD susceptibility. The role also includes developing SOPs, maintaining GLP standards, documenting daily lab activities, and managing stock and purchase indenting. This position offers an exciting opportunity to contribute to impactful translational research.

Name of the position	No. of Position	Remuneration [INR] per month	Essential Qualifications	Desirable Qualifications	Nature of Duty
Junior Research Fellow (JRF)	1	25,000/- Consolidated	i) Master's Degree in Genetics/ Biochemistry/ Biotechnology/ Microbiology/ Natural science and related disciplines ii) Age limit 35 years as on last date of application	i.Experience in, biological sample (Blood, swab, biopsy, stool) handling ii.Microbiological Culture, Host and Microbial DNA and RNA isolation, Primer Designing, PCR and DNA sequencing and analysis iii.Prior Research experience in the form of Master's thesis/Summer training etc. involving PCR, Microbiological experiments and DNA sequencing iv.Good communication skills	i. Sample Collection from Hospital OPDs by coordinating with Clinicians and Patients ii. Processing of Biospecimens collected from Hospitals for Microbial DNA, RNA isolation iii. Performing basic molecular biology laboratory works like PCR and DNA sequencing for both the host and microbial samples iv. Coordinating with the PI and the data analyst regarding data generation, visualization, analysis interpretation and report writing v. Formulation of SOPs and maintaining GLP with proper documentations of day-to-day lab activities vi. Maintenance of Stock and Purchase Indenting

- 1) **This position is contractual**, and appointments will be initially up to **1 year from the date of joining of the selected candidate**. which is extendable depending upon performance, requirement of the project and availability of funds.
- 2) Interested candidates are requested to apply **by filling up the form (Annexure-1)** and send the same to the email ID applsmlab@gmail.com. The last date of application is **03-01-2025** (upto 5PM). Please visit www.nibmg.ac.in for further information.
- 3) Only the shortlisted candidates will be called for ON-LINE interview.
- 4) NIBMG reserves the right to raise the minimum eligibility standards/criteria and/or to conduct a screening test, to restrict the number of candidates to be called for Personal Interviews, if so required. 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 applicants. In exceptionally meritorious cases, the eligibility requirements may be relaxed by the competent authority.
- 5) Please visit our website **www.nibmg.ac.in** for further information.
- 6) 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.
- 7) If selected following documents are required at the time of joining:
 - a. Curriculum Vitae along with reprints of publications, if any
 - b. One Passport- size colored Photograph
 - c. Self-Attested Copies of Certificates of Educational Qualifications
 - d. Self-Attested Copies of Experience Certificates
 - e. Original and one Self-Attested Copies Govt. issued Photo ID proof (Aadhar Card)
 - f. Original and one Self-Attested Copies of caste certificate (if applicable)

Manager-Administration



Application Form for Selection under Research Projects/Studies

Advt. No.: _____

Post Applied for: _____

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 obtaine d	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.)

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

(v) Relevant Experience:

Experience in Biological Sample Handling:

☐ Blood ☐ Swab ☐ Biopsy ☐ Stool ☐ None

Details of experience (e.g., duration, techniques used) (Maximum 50 words):

Microbiological Culture:

☐ Yes ☐ No

Details of experience (e.g., types of cultures performed, pathogens handled) (Maximum 50 words):

Host and Microbial DNA/RNA Isolation:

☐ Yes ☐ No

Details of experience (e.g., techniques used for DNA/RNA extraction) (Maximum 50 words):

Primer Designing:

☐ Yes ☐ No

Details of experience (e.g., software used, specific projects) (Maximum 50 words):

PCR and DNA Sequencing:

☐ Yes for both ☐ PCR ☐ Sequencing ☐ None

Details of experience (e.g., types of PCR used, sequencing platforms, analysis techniques) (Maximum 50 words):

Prior Research Experience on Microbiology, Molecular Biology etc. (Master's thesis/Summer training, etc.):

☐ Yes ☐ No

Details of research projects (e.g., project title, duration, role) (Maximum 100 words):

Experience in Sample Collection from Hospital OPD (Maximum 50 words):

☐ Yes ☐ No

Details of experience (e.g., types of samples collected, protocols followed):

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: