

Advertisement No: NIBMG/ADMIN/ESTB/PROJ. RECT/2024-25/224

Date: 05-09-2024

Positions available: Online 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. **Walk-In-Interview will be conducted for the position of Senior Data Analyst (Project Linked Persons) for an initial period of 3 months.** Selected applicants will be appointed for a period of **3 Months**. The tenure of appointment may be extended depending on performance and availability of funds

Name of the Project - Diabetic Retinopathy Microbiome Study-India (DRMS-India)

Principal Investigator's name: Dr. Souvik Mukherjee.

Project 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 data analyst applicant will be responsible for handling high throughput human and microbiome sequence data on a daily basis. He/she will catalogue the changes in bacterial, viral, and fungal composition and its gene families, pathways from human microbiome samples using whole shotgun metagenome sequencing along with highlighting the novel interplay between host and metagenomic correlates in diseased individuals.

We are looking for motivated individuals with good academic standing who are interested to explore career opportunities in this innovative multi-organization initiative undertaken by NIBMG in the positions mentioned as below:

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 (₹)
Senior Data Analyst	1	<ol style="list-style-type: none"> 1. M.Sc./ M. Tech in Life Science or equivalent with atleast 4 years hands on research experience in bioinformatic analysis of genomic/metagenomic data or Ph.D. in Life Science or equivalent with expertise in bioinformatics of genomic/metagenomic data 2. Age limit 40 years 	<ol style="list-style-type: none"> 1. Hands on experience in DNA sequence data analysis from FASTQ files, particularly on Human genomic or Metagenomic samples using Standard data analysis pipeline. 2. Proficiency in Shotgun Metagenomics and 16S rRNA Gene Sequence data analysis 3. Good knowledge in Perl/Python, Linux, and R programming 4. Proficiency in English and good communication skills 	<ol style="list-style-type: none"> 1. Analysis of DNA, RNA sequence files from massively – parallel sequencing platforms, and preparing summaries and reports of data analysis. 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 3. Development of newer analysis pipelines focusing on human genomic and metagenomic data analysis 4. Management of the documents and procurement of the items pertaining to the project 	50,000/-

Online Interview: **Date 19-09-2024** from **10.30 AM** onwards.

1. **This position is contractual**, and appointments will be initially for three months, which is extendable depending upon performance and requirements of the project.
2. Interested candidates should fill-up a Google Form within **16-09-2024** midnight.

Follow the Link: <https://bit.ly/3Z0Y7bo> or scan the image as below



3. Please visit our website **www.nibmg.ac.in** for further information.
4. If selected, you will be asked to produce all documents in the original. If the documents don't truly reflect what is mentioned in the advertisement, your candidature will be cancelled
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.

Manager-Administration

