

NATIONAL INSTITUTE OF BIOMEDICAL GENOMICS
(An Autonomous Institution of the Government of India)



P.O.: N.S.S., Kalyani 741251, West Bengal, INDIA
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National Institute of Biomedical Genomics is looking bright and motivated minds in the fields of Genomics.

The National Institute of Biomedical Genomics welcomes innovative young minds with passion to work in the field of genomics in multiple project heads listed below. These positions are contractual, and appointments will be initially given as per tenure of the project, extendable depending upon performance and requirements of the project. Please apply online at <https://apply.nibmg.ac.in> (**no other form of application will be accepted**). The last date of application is **18th September 2021 upto 5PM**. Please visit our website www.nibmg.ac.in for further information. Only the shortlisted candidates will be called for online Interview. 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 competent authorities relaxed by the competent authority.

Systems Medicine Cluster (SyMeC): Accelerating Systems Medicine using a Cluster Approach.

Today, medicine is largely reactive. A medical practitioner treats the illness of a person, with varying levels of success. With the rise of genomics and the accumulation of large amounts of data on various diseases, a new systems-based approach to medicine has emerged. Clinical practitioners and researchers are increasingly realising that our bodies do not work as a set of independent components, but rather as an interacting *system*, with genes, proteins, cells, and organs interacting with each other and the environment in complex ways. The understanding of this system will result in a transcendental change in medical practice; *from reactive medicine, based on disease, to a predictive and preventive one centred on health*. However, to affect this transition, complementary multi-domain expertise and experience are necessary.

In conformity with the national priority of stimulating investment in biotechnology, a Bio cluster has been created. The Bio cluster is a platform – both intellectual and logistical – for generating required biological and medical evidence to accelerate systems medicine. The Biocluster comprises six institutions:

- Bose Institute,
- CSIR-Indian Institute of Chemical Biology,
- Indian Institute of Science Education & Research,
- Indian Statistical Institute,
- National Institute of Biomedical Genomics,
- Tata Medical Centre.

with the National Institute of Biomedical Genomics serving as the co-ordinating institution. The Biocluster is funded by the Department of Biotechnology, Ministry of Science & Technology, Govt. of India.

We are looking for motivated and bright individuals interested to explore career opportunities in this innovative multi-organization initiative in Systems Medicine at NIBMG in the positions mentioned as below:

Tenure of the Project	Name of the position	No. of Positions	Consolidated Remuneration [INR] per month	Essential Qualifications	Desirable Qualifications	Nature of Duty
8.01.2022	Experimental Laboratory Manager	1	80,000/-	1) PhD in Genomics or a related discipline, (2) Minimum 5 years of experience of working on high-throughput genomics platforms, (3) Experience in management of biological laboratory, (4) Strong letters of recommendation from previous employers/supervisors	(1) Degree/Diploma in Management; (2) Conversance with Quality Assurance and GLP; (3) Proven track record of independent academic work and leadership; (4) Two years' experience in management of a service laboratory	(1) Management and coordination (including hands on work) of laboratory facilities, execution of projects in time bound manner, (2) Implementation of Quality Assurance and GLP measures
8.01.2022	Technical Specialist	1	40,000/-	(1) MSc or equivalent (or BSc with 3 years laboratory experience) in Genetics/Life Sciences/Biochemistry/related discipline; (2) Minimum 3 years of experience of working with high-throughput genomics platforms.	(1) Experience in whole genome/targeted sequencing, RNA-Seq, GWAS and Methylation Array (2) Experience in DNA and RNA isolation from archived bio specimens e.g., FFPE tissue	Hands-on massively parallel sequencing, microarray laboratory work and instrument operations as well as other related laboratory activities
	Data Analyst	1	40,000/	(1) B.Tech/M.Tech, MSc or equivalent in Computer Science/Computer Applications/Bioinformatics or a related discipline (2) High proficiency in programming in C/C++, Java or python (3) Proficiency in UNIX command	(1) Handling of software packages and genomic databases (2) Experience in handling large volume DNA sequence / genotyping data in large projects	(1) QA/QC and analysis of raw sequence data generated by massively parallel DNA sequencing platforms, (2) Programming, design, and operation of massively parallel DNA sequencing

				line scripting and (4) Prior experience in high-throughput data (NGS) analysis (5) Strong communication skills and the ability to work as part of the team is essential.		data analysis pipelines and (3) Report writing DNA sequencing data analysis pipelines
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