Advertisement No: NIBMG/ADMIN/ESTB/2021-22/015   **Date: 22/04/2021**

National Institute of Biomedical Genomics is looking for bright and motivated minds in the fields of Genomics

National Genomics Core

The National Genomics Core has been set up by the Department of Biotechnology, Ministry of Science & Technology, Govt. of India, as a program for enhancing capacity of discovery and application in the genomics space, in areas that include human health, veterinary medicine, agriculture, aquaculture, fisheries and food, marine ecosystem, industrial biotechnology, environment, forensics, justice, and security. The program will comprise a core national facility at the National Institute of Biomedical Genomics, Kalyani, and two regional facilities in north-central region (University of Allahabad) and south-central region (Centre for DNA Fingerprinting and Diagnostics, Hyderabad). The central Core, including the distributed sub-Cores, will primarily provide genomics services – genome-scale DNA and RNA sequencing, genome-wide microarrays, gene-panel assays, etc. – to other individuals, institutions and the industry. The Core is intended to be a one- stop shop for all genomics services. The Core is intended to act as a facilitator of genomics-driven discovery and application, and to accelerate the ushering in of a vibrant bio – economy in our nation. The objectives of the National Genomics Core are to:

- Provide high-throughput platform facilities and expertise for generation of genome-scale data, using massively-parallel nucleic acid sequencing platforms, microarrays,etc.
- Provide facilities and expertise for big data storage, management, access andanalysis.
- Make genomics facilities available for many sectors, including basic biology, health, agriculture, forestry, livestock, marine, etc.
- Develop genomics skills using a pyramidal approach and taking advantage of India's recent membership of international molecular biology organizations (e.g.,EMBO).
- Encourage Start-upCompanies
  - o   DNA-based diagnostics, including clinicalsequencing;
  - o   analysis and interpretation of massively-parallel genomicsdata;
  - o   Functional validation, using cell biological or model-animal approaches, of genomic results derivedstatistically.
- StimulateIndustry
  - o   Engage engineering entities to develop new hardware, including chip-based genomic assays, for use in various sectors, which in turn will reduce the dependence of the Indian industry to wait for hardware to the provided by foreigncountries.
- Generate employment in various domains, in the academia, engineering, IT, genomic diagnostics, outbreak monitoring,etc.

The central Core at the National Institute of Biomedical Genomics, Kalyani, is looking for bright and motivated individuals who would like to participate in this exciting initiative, in positions as follows:

Name of the position	No. of Positions	Consolidated Remuneration [INR] per month	Essential Qualifications	Desirable Qualifications	Nature of Duty
Technical Associate (Experimental)	2	73,500	1. MSc or equivalent(or BSc with 3years laboratory experience) in Genetics/Life Sciences/Biochemistry/r elated discipline 2. Minimum 5 yearsof experience ofworking in high-throughput genomics platforms (massively parallel sequencing and microarray) 3. Proficiencyin massively parallel sequencing library preparation and/or operation of sequencing/microarray platforms	1. Experience in wholegenome/targeted sequencing, RNA-Seq, GWAS and Methylation Array 2. Experience in laboratory automation platforms 3. Experience in a servicelaboratory	Hands-on massively parallel sequencing, microarray data analysis, data analysis pipeline operations as well as other related laboratory activities
Technical Associate (Computational)	2	73,500	1. M. Tech/MSc/MCA degree/equivalent in computer science / Bioinformatics or a related discipline 2. Minimum 5 yearsof experience ofworking in analysis of massively parallel DNA sequencing data 3. Proficiency of working in Unix(Linux) environment and demonstrated experience in UNIX command line.	1. Experiencein handling and installation of softwarepackages, genomicdatabases and data analysis pipelines 2. Proficiency in programming in C/C++ or python 3. Strong knowledge in variant calling and RNAseq analysis. 4. Experience in a servicelaboratory	QA/QC and analysis of raw sequence data generated by massively parallel DNA sequencing and microarray platforms, Programing, design and operation of massively parallel DNA sequencingdata analysis pipelines as well as other related activities, Data management and data delivery, Report writing.

These positions are contractual and appointments will be initially given as per tenure of the project (06.09.2021), extendable depending upon performance and requirements of the project. Please apply through email (coteri@nibmg.ac.in) with your CV and name of the position mentioned in the subject line (no other form of application will be accepted). The last date of application is 08th May, 2021upto 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.