

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



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**Advertisement No: NIBMG/ADMIN/ESTB/2020-21/119**

**Date: 30/07/2020**

**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 and analysis.
- 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-up Companies
  - DNA-based diagnostics, including clinical sequencing;
  - analysis and interpretation of massively-parallel genomics data;
  - Functional validation, using cell biological or model-animal approaches, of genomic results derived statistically.
- Stimulate Industry
  - 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 be provided by foreign countries.
- 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 | Tenure   | Consolidated Remuneration [INR] per month | Essential Qualifications  | Desirable Qualifications  | Nature of Duty  |
|--|------------------|----------|---|---|---|---|
| Business Development Officer                       | 1                | 8 months | 78,750                                    | 1. MBA from a reputed organization<br>2. Minimum 5 years' experience in business development/marketing in life science industry   | 1. MSc in Life Sciences or related subject<br>2. Experience in business development/marketing in genomics services industry   | Will promote business development for Core (all 3 Centers) for expansion of its activities and generation of funds for sustenance and expansion of the Core   |
| Project Coordinator – Finance                      | 1                | 8 months | 78,750                                    | 1. M.Com or equivalent<br>2. Minimum 3 years' experience in industry  | 1. MBA or equivalent from a reputed organization<br>2. Experience in life science/genomics services industry. 3. Experience in preparation of bills and handling financial queries of clients. 4. Experience in preparation of Utilization Certificate of funds, Audit negotiations, Responding to Audit queries. | Will provide administrative support for financial management of Core activities, inventory management, procurement of reagents and consumables, documentation and human resource management   |
| Computational Laboratory Manager                   | 1                | 8 months | 78,750                                    | 1. PhD in Statistics/Informatics/Computational Biology related discipline. 2. Minimum 5 years' experience in computational analysis of massively parallel DNA sequencing data   | 1. Degree/diploma in business administration<br>2. Conversance with Quality Assurance and IT compliance measures<br>3. Proven track record of independent academic work and leadership<br>4. Minimum two years' experience in managing of a service laboratory  | Will manage and coordinate data analysis operations, execute data analysis projects in time bound manner and implement Quality Assurance and IT compliance measures   |
| Technical Associate (Experimental & Computational) | 6                | 8 months | 73,500                                    | <b>Experimental --</b><br>1. MSc or equivalent (or BSc with 3 years laboratory experience) in Genetics/Life Sciences/Biochemistry/related discipline<br>2. Minimum 5 years of experience of working in high-throughput genomics platforms (massively parallel sequencing and microarray)<br>3. Proficiency in | <b>Experimental --</b><br>1. Experience in whole genome/targeted sequencing, RNA-Seq, GWAS and Methylation Array<br>2. Experience in laboratory automation platforms<br>3. Experience in a service laboratory<br><b>Computational --</b><br>1. Experience in handling and   | <b>Experimental –</b><br>Hands-on massively parallel sequencing, microarray data analysis, data analysis pipeline operations as well as other related laboratory activities<br><b>Computational –</b><br>QA/QC and analysis of raw sequence data generated by massively parallel DNA sequencing and |

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|  |  |  |  | <p>massively parallel sequencing library preparation and/or operation of sequencing/microarray platforms</p> <p><b><u>Computational</u></b> --</p> <p>1. B.Tech/M. Tech/MSc/MCA degree/equivalent in computer science / Bioinformatics or a related discipline</p> <p>2. Minimum 5 years of experience of working in in analysis of massively parallel DNA sequencing data</p> <p>3. Proficiency of working in Unix (Linux) environment and demonstrated experience in UNIX command line.</p> | <p>installation of software packages, genomic databases and data analysis pipelines</p> <p>2. Proficiency in programming in C/C++ or python 3.</p> <p>Experience in a service laboratory</p> | <p>microarray platforms, Programing, design and operation of massively parallel DNA sequencing data analysis pipelines as well as other related activities, Data management and data delivery, Report writing .</p> |
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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 August, 2020 upto 5PM**. Please visit our website [www.nibmg.ac.in](http://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.

