

# NATIONAL INSTITUTE OF BIOMEDICAL GENOMICS

(An Autonomous Institution of the Government of India)



Netaji Subhas Sanatorium (T.B. Hospital), 2<sup>nd</sup> Floor,  
P.O.: N.S.S., Kalyani 741251, West Bengal, INDIA

Tel: +91-33-25892151

www.nibmg.ac.in

Advertisement No.010/ESTB/NIBMG/16-17

Date: 25/04/2016

## Positions available

**Each applicant can apply for only one position**

Applications are invited for the positions of Project Linked Persons for exciting extramural projects in National Institute of Biomedical Genomics, Kalyani. Selected applicants will be appointed for a period of one year. The tenure of appointment may be extended depending on performance and availability of funds.

**1. Project Name & Funding Authority:** International Cancer Genome Consortium – India Project [funded by Department of Biotechnology, Ministry of Science & Technology, Govt. of India].

**Project Description:** The International Cancer Genome Consortium (ICGC) has been launched to coordinate large-scale cancer genome studies in tumours from major cancer types that are of clinical and societal importance across the globe. The Indian initiative of the ICGC is on gingivo-buccal oral cancer (GBOC). The ICGC Laboratory of the National Institute of Biomedical Genomics is the site of genomic analyses of the initiative, which consists of next generation sequencing, genome wide scan and related activities. We are looking for motivated and bright individual who is interested to work on analysis of massively parallel DNA sequencing and microarray data generated by high throughput cutting edges platforms.

**Project code: 202094**

Position Code	Position (No. of positions available)	Essential Educational Qualification	Desirable Qualification	Nature of Duty	Monthly Emolument (₹)
01	<b>Data Analyst (1)</b> [Contractual]	(1) MSc or equivalent in Bioinformatics or a related subject (2) Minimum 1 year experience in analysis of human DNA sequence / genotype data	(1) Minimum 1 year experience in hands on massively parallel sequencing data analysis (2) Knowledge of programming languages like R, C/C++, JAVA, PYTHON	(1) QA/QC and analysis of massively parallel sequence data (2) Programing, design and operation of massively parallel DNA sequencing data analysis pipelines	18,000/- to 25,000/-, Consolidated & Fixed

**2. Project Name & Funding Authority:** Identification of Recurrent Somatic Mutations in Gastric Adenocarcinoma in Mizo Population, Northeast India [funded by Department of Biotechnology, Ministry of Science & Technology, Govt. of India through North Eastern Region – Biotechnology Program Cell].

**Project Description:** The study aims to identify recurrently mutated driver genes in gastric cancer patients in Mizoram who are exposed to a unique set of environmental risk factors. The overarching goal of the study is to identify the spectrum of recurrently mutated genes which might drive tumorigenesis and the differences therein across clinically important sub phenotypes and assess the impact of environmental factors. We are looking for motivated and bright individual who is interested to work on genomics of gastric cancer, involving analysis and interpretation of massively parallel DNA sequencing data generated in the project and also scientifically contribute to the project goals.

**Project Code:218494**

Position Code	Position (No. of positions available)	Essential Educational Qualification	Desirable Qualification	Nature of Duty	Monthly Emolument (₹)
01	<b>Research Associate-I (1)</b> [Contractual]	(1) PhD in Human Biomedical Genomics, Human Genetics or a related subject (2) At least one publication in a peer reviewed journal in relevant area	(1) Experience in Cancer Genomics (2) Experience in massively parallel DNA sequencing / array based genotyping (3) At least one publication in a peer reviewed journal in relevant area where applicant is first author	(1) Project specific experimental and data analysis activities (2) Contribute scientifically to project outcome (3) Assist Principal Investigator in project management and execution (4) Might be required to travel to collaborating NER organization i.e. Mizoram University	36,000/- Fixed, with other monthly emoluments as sanctioned by funding authority

**3. Project Name & Funding Authority:** Effect of Maternal Stress on Fetal Growth and Outcome: Development of Methods to Identify Mothers at Risk of Intrauterine Growth Restriction and Preterm Birth Due to Maternal Stress [Grand Challenge - India, All Children Thriving Grant funded by Bill and Melinda Gates Foundation & Department of Biotechnology, Ministry of Science & Technology, Govt. of India through Biotechnology Industry Research Assistance Council].

**Project Description:** The effect of stress on pregnant mothers can have important adverse effects on the outcome of pregnancy and intrauterine growth and development of fetus. The objective of the study is to develop biomarkers which can help us to identify pregnant mothers at risk of preterm birth and fetus at risk of developing intrauterine growth restriction due to exposure to maternal stress. This might result in the development of effective intervention program for such mothers and help in reducing incidences of poor pregnancy outcome and fetal health. We are looking for motivated and bright individual who is interested to work on maternal and child health biology, especially in the area of genomics, data and statistical analysis.

**Project code: 218504**

Position Code	Position (No. of positions available)	Essential Educational Qualification	Desirable Qualification	Nature of Duty	Monthly Emolument (₹)
01	<b>Laboratory Analyst (1)</b> [Contractual]	(1) MSc or equivalent in Mathematics or Statistics (2) First class in Masters or equivalent (3) Knowledge of programming languages like R	(1) Applicants of biomathematics or biostatistics background will be preferred	(1) Perform statistical analysis of project data (2) Perform genomic and other biological experiments as required in the project (3) Assist Principal Investigator in execution of project	28,000/- Fixed, with other monthly emoluments as sanctioned by funding authority

**4. Project Name & Funding Authority:** Understanding the biology of stem-like cancer cells from human oral tumors funded by Wellcome Trust-Department of Biotechnology India Alliance.

**Project Description:**

Oral cancer is one of the deadliest cancers in Indian population. The majority of the oral tumors do not respond satisfactorily to available treatments or quickly become non-responsive. This has prompted us to undertake an investigation on the biology of oral-stem-like cancer cells (Oral-SLCCs). These cells are believed to be associated with tumor initiation, propagation, metastasis, recurrence and resistance to therapy in a variety of cancers. Applications are invited for the position of **Research Fellow** to undertake the challenging yet fascinating and exciting task of identification of Oral-SLCCs from human tumors for its genomic and functional characterization. The **age limit** for the post is **maximum 28 years** on the last day of the application. Details of this position are listed below:

**Project code: 212314**

Position Code	Position (No. of positions available)	Essential Educational Qualification	Desirable Qualification	Nature of Duty	Consolidated and fixed monthly emolument (₹)
01	<b>Research Fellow (1)</b>	1. First-class MSc or equivalent in Biotechnology/ Biochemistry or in any other biology stream with minimum 60% marks.	(1) BET- Category-II or NET-LS or equivalent qualification (2) Hands on experience in human cell culture maintenance (3) Experience with flow cytometry technique	(1) Perform day to day research activities in the laboratory (2) Collect patient samples including tumor tissues and blood (3) Act as a team member to conduct research	20,800/- fixed

Interested and eligible candidates may send their recent Bio data in the specified format. Please download the format from

<http://www.nibmg.ac.in/?q=notices>

clearly mentioning the name of the position in the subject line of the e-mail to [project\\_appln@nibmg.ac.in](mailto:project_appln@nibmg.ac.in)

Receipt of applications will close at **5 P.M. on 20/05/2016**. **Each applicant can apply for only one position**. Call letters to attend screening test and /or interview will be sent only to the short-listed candidates by Email only. No correspondence will be made with applicants who are not shortlisted /not called for screening test and /or interview. No TA/DA will be paid for attending the interview.