



Advertisement No. NIBMG/ADMIN/ESTB/PROJ. RECTT/2023-24/287 Date: 16-11-2023

Position available

NIBMG is looking for motivated and bright individuals interested to explore career opportunities for the position of **Research Associate** (Project Linked Person) for extramural project **funded by ICMR** as per details given below.

Project Name: *Fast detection of driver mutations and genes from cancer genomics data using an integrative machine learning-based approach.*

Project description: Cancer is a major cause of death worldwide. Key alterations (known as driver events) within normal cells provide selective advantage and help tumour to grow. It is also well known that the profiles of driver alterations vary across intra- and inter-tumour as well as between cancer types. Identifying such driver alterations is crucial to understand the background biological mechanism at molecular level as well as determine the success of disease diagnosis and precision treatment in a clinical setting. This project aims to identify driver alterations that provide uncontrolled growth advantages resulting in normal cells becoming malignant tumours by applying ensemble machine learning (ML) algorithms both from patient cohort and single patient level.

Name of Position	Essential Qualification	Desirable Qualifications	Nature of Duty	Fellowship
Research Associate	(i) PhD* in Computer Science or bioinformatics or Genomics with at least one research paper in Science Citation Indexed (SCI) journal. OR M. Tech in Computer Science with at least one research paper in Science Citation Indexed (SCI) journal with minimum three years of research experience. Good knowledge about machine learning AGE LIMIT= Maximum 40 years at the time of interview (relaxable upto 2 years in case of women candidate)	(i) Deep experience in analysis of genomics data and building data analytics pipelines for somatic mutation detection and building pipeline for driver gene detection. (ii) Strong expertise in C/C++ or Python or R iii) Good knowledge of existing cancer driver gene detection algorithms. (iv) Good knowledge in Linux	(i) Curate and filter somatic mutations (ii) Building pipeline for driver gene detection with existing tools (iii) Building machine learning models to identify cancer driver alterations and genes. (iv) NGS data analysis (v) Report writing	Rs. 49000/- + 9% HRA pm.

Following documents are required at the time of interview:

1. Curriculum Vitae along with reprints of publications.
2. One Passport- size coloured Photograph.
3. Original along with one set of Self-Attested Copies of Certificates of Educational Qualifications.
4. Original along with Self-Attested Copies of Experience Certificates.
5. Original and Self-Attested Copies of Govt. issued Photo ID proof.

This position is contractual, and the selected candidate will be initially engaged up to **29-02-2024 from the date of joining**, which may be extended depending upon performance requirements of the project and availability of funds.

The Walk-In-Interview will be conducted on **23-11-2023 (Thursday)** starting from 11:00 am.

Please visit our website **www.nibmg.ac.in** for further information.

No TA/DA will be provided for attending the Interview/Test.

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 the competent authority.

Manager-Administration