Ref. No. NIBMG/ADMIN/ESTB/Proj. Rectt/2024-25/096   Date: 12-06-2024

<u>Position available</u>

Applications, CV and relevant documents are invited for the position of **Project Research Scientist-II** (Project Linked Persons) for adhoc extramural projects **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.*

Principal Investigator's name: Dr. Nidhan K. Biswas

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.

Position: Project Research Scientist-II - 01 Post

We are looking for motivated and bright individuals interested to explore career opportunities in this project at NIBMG for the position mentioned below:

#	Name of Position	Essential Qualification	Desirable Qualifications	Nature of Duty	Remuneration
1	Project Research Scientist-II	First Class Post Graduate degree, including the integrated PG degrees, with three years' experience or PhD. Second class Post Graduate Degree, including the integrated PG degree, with PhD and three	(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++	(i) Curate and filter somatic mutations (ii) Building pipeline for driver gene detection with existing tools	Rs. 67,000- + HRA@9% pm.

	years' experience. For Engineering/IT/CS-First Class Graduate degree of Four years with three years' experience. **AGE LIMIT=** Maximum 40 years at the time of interview (relaxable upto 2 years in case of women /OBC candidate and 5 years for SC/ST)	or Python or R iii) good knowledge of existing cancer driver gene detection algorithms. (iv) Good knowledge in Linux	(iii) Building machine learning models to identify cancer driver alterations and genes. (iv) NGS data analysis (v) Report writing	

1) This position is contractual. The appointment will be given for one year, which is extendable depending upon performance, requirement of the project and availability of funds.

2) Interested candidates should fill-up a Google Form (using your google account) within **28-06-2024 (midnight)** with the Link: http://bit.ly/3z1mSJy

3) The last date of application is **28-06-2024** (**upto 12 midnight**). Please visit **www.nibmg.ac.in** for further information.

4) Only the shortlisted candidates will be called for **online interview**. Date will be notified later

5) All Educational, Professional and Technical qualifications should be from a recognized Board/University. Fulfillment of essential qualifications and experience does not automatically entitle a candidate to be shortlisted or called for Interview.

6) Canvassing in any form or bringing influence will lead to disqualification the candidate.

7) 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.

Manager-Administration