

Advertisement No: NIBMG/ADMIN/ESTB/ADVERTISEMENT/2024-25/270

Date: 21-10-2024

Project Name: Study on the epigenetic mechanism of JAK-STAT driven plasticity in oral cancer stem cells for its therapeutic value

Project Description: The dynamic phenotype switching results in lineage plasticity, causing high intratumoral heterogeneity in cancer cells, acting as prerequisite mechanism facilitating initiation of cancer and adaptation under stress conditions. Thus, the mechanistic understanding of lineage plasticity is highly relevant for designing strategies to combat aggressive cancer. This project aims to study the role of JAK-STAT pathway and histone modulation, responsible for cellular plasticity and drug tolerance in oral cancer. Mechanisms will be tested as novel therapeutic targets against intratumoral heterogeneity using preclinical models.

We are looking for motivated individuals with excellent academic standing who are interested to explore career opportunities in this initiative undertaken by NIBMG in the position mentioned as below:

Name of the position	No. of Position	Remuneration [INR] per month	Essential Qualifications	Desirable Qualifications	Nature of Duty
Project Associate-I	1	25,000/- + 24% HRA	<p>i) Having a post graduate degree in Biotechnology or any Life Sciences subject completed from a recognized University or equivalent.</p> <p>ii) Age limit 35 years as on last date of application</p>	A prior experience of animal cell culture/ flow cytometry/ molecular biology techniques/Bioinformatic analysis of minimum 6 months is desirable.	Person hired will be responsible for day-to-day research activities related to molecular biology and biotechnology work as required for the proposed project. This may also include collection and processing of human tissue samples from collaborating clinical centers.

1. Qualifications like JRF or NET-LS or GATE are not essential criteria for this application.
2. This position is purely contractual.
3. Appointments will be initially for one year, which is extendable depending upon performance and requirements of the project.

4. Interested candidates should submit their C.V. in prescribed format to nibmgprojectapplication@gmail.com with a subject line **Application for the Project Associate-I** within **04-11-2024** midnight.
5. Please visit our website **www.nibmg.ac.in** for further information.
6. Only the shortlisted candidates will be called for written examination and/or online interview.
7. The decision of NIBMG in all matters relating to eligibility, acceptance or rejection of application, mode of selection, and conduct of written examination and/or interviews will be final and binding on the candidates.

Manager-Administration

CV Format

All fields are required to be filled (Please send one consolidated file with this CV, passport size coloured photograph, proof of date of birth, postgraduation certificate, postgraduation final marksheet, a proof/certificate of past work experience)

1.Name:

2.Email ID:

3.Contact No:

4. Date of Birth:

5.Age on the last date of application:

6. Qualification (Check, which applies)

A: Post Graduate degree in Biotechnology

B: Post Graduate degree in any Life Science subject

7.Academic information:

Name of examination	Subjects	Pass year	Percentage/grade
Class 10			
Class 12			
Graduation			
Post graduation			

8. Experience (Check all, which applies)

A: Animal cell culture

B: Flow cytometry

C: Molecular biology techniques

D: Bioinformatic analysis

E: R Programming

9.Duration of research experience (Check, which applies)

A: Less than 6 months

B: 6 months

C: One year

D: 2 years

E: More than 2 years

SIGNATURE OF APPLICANT