

Advertisement No. NIBMG/ADMIN/ESTB/2025-26/47

Date: 22-05-2025

Position available

Project name: Evaluation of spatial ecology of Tie2-activated myofibroblastic-CAFs as potential target against aggressive oral cancer

Funding Agency: DBT

Project tenure: 3 years

Principal Investigator's name: Prof. Sandeep Singh

Project Description: This project is focused on evaluating the cellular composition and its spatial arrangements with respect to the Tie2-activated myofibroblastic-CAFs at a single-cell resolution in oral tumors. Multi-dimensional analysis will be performed to identify spatial compositions that can eventually correlate with patient prognosis. Also, we will test novel designs of the small molecule inhibitors against activated Tie2 and evaluate its impact on cancer evolution driven by activated Tie2 in oral TME using cell culture models and mouse models of oral cancer.

Name of the position	No. of position vacant	Consolidated Remuneration [INR] Per Month	Essential Qualifications	Desirable Qualifications	Nature of Duty
PA-I	1	(i) INR 31,000 + 24% HRA to be given who are selected through (a) National Eligibility Tests – CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. (ii) INR 25,000 + 24% HRA for others who do not fall under (i) above.	1. Post Graduate Degree in Natural Sciences or bachelor's degree in engineering or technology or medicine from a recognized University or equivalent. 2. Age limit 35 years as on last date of application.	1. Candidates with proven experience with the single cell and bulk transcriptome data analysis will be preferred. 2: Candidates with prior experience with mammalian cell culture technique 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. The upper age limit for applying for PA-1 shall be 35 years. The upper age limit is relaxable upto 5 years in case of candidates belonging to scheduled castes/tribes/women and PwD candidates and 3 years of candidates belongs to NCL-OBC candidates
2. **This position is contractual**, and appointments will be initially for one year, which is extendable depending upon the performance and requirements of the project.
3. Detail CV, application form and relevant documents of interested candidates has to be compulsorily sent to Prof. Sandeep Singh (ss5@nibmg.ac.in) PI of project
4. The last date of application is **09.06.25 up to 9 AM**.
5. Please visit our website **www.nibmg.ac.in** for further information.
6. 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.

Associate Director

Application Form for Selection under Research Projects/Studies

Advt. No.: _____

Project Name: _____

*Affix a Recent
Passport Size
Photograph*

1. Name in full (in block letters)

2. Address (in block letters)
(i) For Communication

(ii) Present

(iii) Permanent

(iv) Email: _____

(v) Phone (Mobile): _____

3. Particulars of age and birth (as per Matriculation or equivalent Certificate)

(i) Date of Birth (DD-MM-YYYY) _____

(ii) Age: _____

(iii) Place of Birth _____

(iv) Nationality: _____

4. Other Particulars:

Gender:

Marital Status:

5. Father's Name _____ **Mother's Name** _____

Spouse Name _____

6. Category (SC/ST/OBC):

(Please attach a photocopy of the relevant certificate)

7. Particulars of Qualification and Experience:

(Please feel free to attach a separate sheet in case of insufficient space. Original Certificate/testimonials in support of qualification & experience would be required to be shown at the time of interview & joining (if selected))

All the relevant attachment should be merged in a single PDF format.

(i) Qualifications (in reverse chronological order): -

Educational/Technical/ Professional Exam Pursuing/Passed (Full Time/ Part Time)	Main Subject	Grades/ Division	% of marks obtained	Year of passing	Name of the University/ Board

(ii) Whether NET/GATE Qualified: Yes/No

If yes, please submit details. _____

(iii) Total Experience (in reverse chronological order):

Employer	Designation	Period From To		Length of Yrs Months	Nature of duties/ area of specialization etc.	Remuneration (Rs.)

(iv) Any Other relevant Information (Details of Special achievements, Publications, etc., if any)

(v) Relevant Experience:

a) Hands on experience in RNA sequence data analysis using standard data analysis pipeline

☐ Yes ☐ No

Details of experience (Maximum 50 words):

b) Hands on experience with R programming

☐ Yes ☐ No

Details of expertise (Maximum 50 words):

c) Hands on experience with maintaining mammalian cell culture:

☐ Yes ☐ No

Details of experience (Maximum 50 words):

d) Proficiency in English communication and writing skills

☐ Yes ☐ No

I hereby declare that all particulars in this form are correct and true to the best of my knowledge & belief, and nothing has been concealed therein. I shall bring the original degrees, certificates, and other documents in support of the above information for verification at the time of test/interview.

PLACE: _____

SIGNATURE OF THE APPLICANT

DATE: