

विज्ञापन संख्या/Advertisement No. inStem/Temp/04/2024

The Institute for Stem Cell Science & Regenerative Medicine (www.instem.res.in), Bangalore is an autonomous institute under the Department of Biotechnology, Ministry of Science & Technology, Government of India. DBT-inStem's mandate is to establish collaborative research programs in the field of stem cell biology, regeneration, and repair in development and disease, with an emphasis on translation. To develop strengths in focused areas, research at DBT-inStem is driven through collaborative interdisciplinary teams, addressing questions that are beyond the scope of a single laboratory. DBT-inStem shares a campus and research facilities with the Bangalore Life Sciences Cluster (BLiSC).

DBT-inStem invites applications (in online mode) from eligible candidates for various contractual positions under a project funded by the **Bill & Melinda Gates Foundation**. We are looking for dedicated professionals who are result-oriented, can assimilate, analyze and communicate data effectively and are excellent team players capable of working in a fast-paced, multi-disciplinary environment.

Post Code, Post Name & Monthly Emoluments	No. of Post & Age limit	Qualification & Experience	Job Description
<p>Post Code-BMGF/PM</p> <p>Program Manager</p> <p>₹. 1,25,000 to 2,00,000/- pm (Consolidated)</p>	<p>No. of Post -01 (one)</p> <p>Age Limit -45 years</p>	<p><u>Essential Qualification</u> Doctoral Degree in Science from a recognised university with relevant experience in stem cell biology, developmental biology, pharmacology, and/or maternal or child health.</p> <p>Excellent written and verbal communication required. Candidates with track record of managing/coordinating a team and research projects will be preferred.</p>	<ul style="list-style-type: none"> • Overall coordination of all aspects of the project and liaising with project teams at inStem and the foundation. Communicating effectively with project teams. • Must be detail-oriented, well organized with the ability to analyze and communicate data effectively. • Maintaining strict adherence to timelines and punctuality are important. Must help expedite completion of projects to ensure that appropriate turn-around goals are met. • Oversee project updates, Prepare professional reports and presentations based on literature surveys and project updates, and oversee laboratory records. • Excellent team player to work in a fast-paced, multi-disciplinary environment
<p>Post Code-BMGF/PS</p> <p>Project Scientist</p> <p>₹.78,000/m + HRA</p>	<p>No. of Post -03 (Three)</p> <p>Age Limit -45 years</p>	<p><u>Essential Qualification</u> (i) Doctoral Degree in Science from a recognised university or equivalent in stem cell biology, developmental biology, pharmacology, and/or maternal or child health. (ii) Seven years experience in R&D in industrial or academic institutions or</p>	<ul style="list-style-type: none"> • Responsible for carrying out as well as supervising laboratory work such as culture, all steps of quality control and differentiation of human stem cells and organoids as per prescribed protocols. • Preparation of Microscopy samples, imaging and application of computational methods for image analysis

		science and technology organisations.	<ul style="list-style-type: none"> • Knowledge of laboratory safety protocols, ethical considerations and employs them in the course of all work. Organization and maintenance of the laboratory workspace, clean rooms and equipments. • Regular data analysis, project updates, literature survey, and presentation of data • Prepare professional reports, presentations, and lab records • Participate in project team meetings and contribute to the projects intellectually
Post Code-BMGF/SPA (IDA) Senior Project Associate ₹.42,000/m + HRA	No. of Post -01 (One) Age Limit -40 years	<u>Essential Qualification</u> Master's Degree in Natural / MVSC or Bachelor's degree in Engineering or Technology or Medicine from a recognised university or equivalent. Four years experience in R&D in industrial or academic institutions or science and technology organisations.	<ul style="list-style-type: none"> • Cell biology related research requiring cell biology techniques including cell culture, transfection. • Preparation of Microscopy samples, imaging • Routine molecular biology work such as cloning, nucleic acid isolation, RT-PCR, and nucleic acid sequencing. • Regular data analysis, project updates, literature survey, and presentation of data • Prepare professional reports, presentations, and lab records
Post Code-BMGF/PS-III Project Scientist -III ₹.78,000/m + HRA	No. of Post - 01(one) Age Limit -45 years	<u>Essential Qualification</u> Doctoral Degree in Science with 6 years of experience in research and development. <u>Desirable Qualification:</u> PhD in Chemistry/Physics/Structural Biology Prior experience in NMR, X-Ray Crystallography, Fragment based screening, Target-based early drug discovery. Excellent written and verbal communication required with exceptional organizational skills. Work experience in a multidisciplinary team.	<ul style="list-style-type: none"> • Responsible for carrying out recombinant Protein production and purification, X-ray crystallography, NMR; ITC, SPR etc.; fragment screening using NMR techniques; Hit identification and optimization using computational modelling tools. • Communicating effectively with medicinal and synthetic chemists. Excellent team player to work in a fast-paced, multi-disciplinary environment
Post Code-BMGF/PS-II Project Scientist – II ₹. 67000/m + HRA	No. of Post - 01(one) Age Limit -40 years	<u>Essential Qualification</u> Doctoral Degree in Science with 3 years of experience in research and development. <u>Desirable Qualifications:</u> PhD in Structural Biology Prior experience in X-Ray Crystallography	<ul style="list-style-type: none"> • Responsible for carrying out fragments/hits co-crystallization and X-ray structure determination; Structure-based Fragment growing and hits optimization; recombinant protein expression and purification • Excellent team player to work in a fast-paced, multi-disciplinary environment

		Excellent written and verbal communication required with exceptional organizational skills Work experience in multidisciplinary team	
Post Code-BMGF/PS-I Project Scientist – I ₹.56,000/m + HRA	No. of Post - 01(one) Age Limit -35 years	<u>Essential Qualification</u> Doctoral Degree in Cell Biology <u>Desirable Qualifications:</u> PhD in Cell Biology Prior experience in Cell-based assays, performing CRISPR screens. Excellent written and verbal communication required with exceptional organizational skills	<ul style="list-style-type: none"> • Develop, optimize and validate cell-based assay platforms for target engagement assays • Perform CRISPR screens as well as generation of isogenic cell lines using CRISPR KOs. Excellent teamwork skills and the ability to work in a fast-paced, multi-disciplinary team
Post Code-BMGF/PSA Principal Project Associate ₹.49,000/m + HRA	No. of Post -2 (Two) Age Limit -40 years	<u>Essential Qualification</u> Masters in Science or Bachelor's in technology with 8 years of experience in research and development <u>Desirable Qualifications:</u> Masters in Life Sciences Prior experience in Biochemical /Biophysical assay development Specific experience with biochemical/biophysical assays like TR-FRET, FP and alpha screen assays Excellent written and verbal communication	<ul style="list-style-type: none"> • Development of Primary and Secondary biochemical/biophysical assays for protein targets; assay miniaturization and automation; High throughput Screening; HTS data analysis; hit identification and validation using biochemical and biophysical assays; Cloning, recombinant protein expression and purification • Must be detail-oriented, well-organized and have strong communication skills
Post Code-BMGF/PA-I Project Associate-I ₹.31,000/m + HRA (Net Qualified) ₹.25,000/m + HRA (Non-Net Qualified)	No. of Post - 02(Two) Age Limit -35 years	<u>Essential Qualification</u> Masters in Science or Bachelor's in technology <u>Desirable Qualifications:</u> Prior experience in protein production and purification Experience in DLS, CD and thermal shift assay. Excellent written and verbal communication	<ul style="list-style-type: none"> • Perform Cloning, protein expression, and purification; Support and enable large-scale protein production in quality and quantity suitable for X-ray crystallography, HTS and Fragment screening; Prepare labelled protein for NMR studies; study protein using thermal shift, dynamic light scattering, and circular dichroism methods. Regular data analyses, literature survey, and presentations on the target
Post Code-BMGF/PA-I(CB) Project Associate-I (Cell Biology)	No. of Post - 01(one) Age Limit -35 years	<u>Essential Qualification</u> Masters in Science or Bachelor's in technology <u>Desirable Qualifications:</u> Experience in cell biology techniques including cell	<ul style="list-style-type: none"> • Perform research requiring cell biology techniques including cell culture, transfection, Microscopy, and cell-based assays • Generate isogenic cell lines using CRISPR KOs.

₹.31,000/m + HRA (Net Qualified) ₹.25,000/m + HRA (Non-Net Qualified)		culture, transfection, microscopy, and cell-based assays Excellent written and verbal communication	<ul style="list-style-type: none"> • Regular data analyses, project updates, literature surveys and presentations on the target
Post Code-BMGF/JRF Junior Research Fellow ₹.37,000/m + HRA (Net Qualified) ₹.25,000/m + HRA (Non-Net Qualified)	No. of Post -02 (Two) Age Limit -35 years	<p><u>Essential Qualification</u></p> <p>Master's Degree in Natural / MVSC or Bachelor's degree in Engineering or Technology or Medicine from a recognised university or equivalent. With at least 1 years of R&D experience in academic institution or relevant industry</p>	<ul style="list-style-type: none"> • Research requiring cell biology techniques including culturing routine cell lines, maintenance of stocks and transfection. • Plan experiments, order reagents, and adhere to protocols. • Nanobody/single-chain antibody screening using yeast display methods. • Routine molecular biology work such as cloning, nucleic acid isolation, and sanger sequencing. • Cloning, recombinant protein expression and purification • Biochemical and biophysical methods to characterize the isolated proteins with desirable properties. • Regular data analyses, project updates literature surveys and presentations on the target • Participate in project team meetings and contribute to the projects intellectually

Tenure: Contractual appointment for one year, renewable based on requirement and review of progress and requirement of the Grant.

Mode of Applications: Only online applications will be accepted. Applications received through any other mode shall stand rejected automatically.

How to apply: Interested candidates may log into the DBT-inStem website – Careers – Open positions (<https://www.instem.res.in/jobportal/>)

Applicants should submit the following information as a single PDF file:

1. 2-page Curriculum vitae with current address, phone (mobile) number and e-mail address.
2. 1-page Motivation letter explaining past research experiences, career goals, and motivation to join our laboratory and research programs. Please include the advertisement number in the letter and upload the same as one document with a CV.
3. Contact information of at least two referees.

Application Fee: Nil

Last date for receipt of applications: 29th February 2024

General Conditions:

1. Incomplete applications shall be summarily rejected and no correspondence in this regard shall be entertained.
2. Candidates must ensure that he/she fulfils the eligibility criteria as stipulated in the advertisement.
3. All eligibility conditions will be determined with reference to the crucial date of eligibility i.e., the closing date of receipt of applications.
4. Candidates are advised to keep a printout of the application form.

5. The engagement shall be purely on a contract basis period of engagement shall be purely dependent on the requirement of the Institute.
6. This is purely a temporary appointment, and selection does not entitle a candidate to any claim whatsoever of permanency or regularization against any regular post or any vacancy arising in the future in this or any other cadre/post on the basis of this service.
7. The Institute can fix the consolidated salary lower/ higher in the given range
8. No claim for any service benefits like PF, Pension, Gratuity, Medical Allowance, Seniority and promotion, etc. is applicable to this post.
9. The incumbent will be required to conform to the rules and regulations of DBT-inStem in force from time to time and follow the discipline rules of the institute failing which the contract may be withdrawn at any point in time.
10. The candidates should submit a separate application for each post.

Further updates/ information related to this recruitment exercise shall only be made available on the Institute's website.

Contact Us:

मूल कोशिका विज्ञान और पुनर्योजी चिकित्सा संस्थान (डीबीटी- इनस्टेम), जीकेवीके परिसर, बेल्लारी रोड, बैंगलोर – 560065/ Institute for Stem Cell Science and Regenerative Medicine (DBT-inStem), GKVK Campus, Bellary Road, Bangalore - 560065	वेबसाइट /Website: www.instem.res.in फ़ोन /Phone: 080-61948226 ई-मेल/E-mail: estt@instem.res.in
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Women candidates fulfilling the eligibility conditions are encouraged to apply.