

विज्ञापन संख्या/Advertisement No. inStem/Temp/10/2023

Institute for Stem Cell Science and Regenerative Medicine (DBT-inStem) is an autonomous institute under the aegis of the Department of Biotechnology, Ministry of Science and Technology, Government of India invites applications for the post of **Postdoctoral Fellow in the Stem Cells** [REDACTED].

We are located at the **Institute of Stem Cell Science and Regenerative Medicine (DBT-inStem)**, Bengaluru, one of India's premier research institutes. As an autonomous research institute of the Department of Biotechnology, research at inStem focuses on bridging clinical and laboratory research with experts in the fields of stem cell biology, developmental biology, computational biology, structural biology, biophysics, and so on. In addition, inStem has state-of-the-art core research facilities within a stimulating and collegial research environment.

Job Requirements:

The major research focus of the laboratory is to understand mechanisms that govern stem cell self-renewal and potency at cellular, molecular, and genetic levels. The available projects focus on understanding organelle-level control of development and disease using 2D and 3D human stem cell and organoid models. Specifically, the focus is on proteins and processes regulating blood cell development and leukemias, cardiovascular development and diseases, and neurodegeneration. We used gene editing techniques to generate molecular genetic tools for interrogating stem cell biology. Selected candidates will address key questions using an interdisciplinary approach that involves *in vitro*, *in cellulo* and *in vivo* analyses with techniques that include cell and molecular biology, genomics, imaging, flow cytometry, and computational approaches to the level of whole organism understanding.

Candidates with a strong interest in research related to developmental biology, stem cell biology, animal physiology, and tissue homeostasis are encouraged to apply. To check our recent publications as well as visit <https://www.instem.res.in/faculty/maneesha>.

Qualification

We are looking for highly passionate and motivated candidates with a Ph.D. in any branch of Life Sciences or related areas from a recognized university or institute.

Candidates with strong background and experience in cell and molecular biology, genetics, gene-editing, and advanced imaging are encouraged to apply. Previous experience with cell culture, animal handling, animal physiology, and/or computational biology will also be an asset. Candidates must have a good scientific record with at least 1 first author paper published from their PhD work in an international peer-reviewed journal of repute.

The candidate is expected to design and manage the work independently, have good organizational skills, work in an interdisciplinary team, and handle multiple tasks. They will also be responsible for data documentation, validation, and compilation, for the preparation of manuscripts.

Post: Postdoctoral Fellow – 1 position

We offer one full-time fixed-term postdoctoral fellow position for an initial 1 year extendable based on review. The candidates will benefit from technical and conceptual training, mentorship, and career development, developing independent research thinking and will have access to cutting-edge technologies like advanced flow cytometry and imaging systems, stem cell training and culture facilities, Cryo-electron microscopy and other state-of-the-art facilities on the BLiSC campus.

Monthly Remuneration: As per Govt. norms based on experience and qualification

Age limit: Below 35 years as of 01-10-2023

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

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.
3. Contact information of at least two referees.

Application Fee: Nil

Last date for receipt of applications: 20th October 2023

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.

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.