



भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

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Kandi – 502 285, Sanga Reddy, Telangana, INDIA
Phone: (040) 2301 6033; Fax: (040) 2301 6003 /32

“Postdoctoral Position” on “Stem Cell Engineering and Regenerative Medicine”

Department of Biomedical Engineering, IIT Hyderabad

Stem Cell Engineering and Regenerative Medicine is an emerging and highly interdisciplinary field of research which requires a multidisciplinary skill set. Regenerative or Tissue Engineering evolved from the field of biomaterials development and refers to the practice of combining biomaterials, cells, and biologically active molecules into functional tissues. The goal of regenerative medicine is to assemble functional constructs that restore, maintain, or improve damaged tissues or whole organs. Our laboratory works at the interface of materials engineering (including FDA approved polymeric Biomaterials) and stem cell biology to develop next-generation approaches in the generation of tissues such as bone, cartilage, heart and skin etc.

We are seeking for talented, motivated and passionate individuals, eager to learn multidisciplinary skill set and ready to explore their talent/idea/experience in the improvement of human health care, and to join our efforts in a leading-edge translational research on **“Stem Cell Engineering and Regenerative Medicine”**. The candidate will get a highly interdisciplinary work environment to perform cutting edge research and high impact publications.

Essential Qualification and Work Experience: PhD in Biotechnology, Nanobiotechnology, Bioengineering, Nanotechnology, Materials Science, any other related interdisciplinary engineering and/or science, from a reputed institute with strong experience and publication record from PhD work and related work.

- Experience on biomaterials fabrication and their biological evaluation, in vitro and in vivo
- Experience on cells culture, primary cell (e.g., stem cells) culture, materials-stem cell/cell interaction studies
- **Experience on Stem Cells culture and maintenance preferred**
- Sound knowledge and interest on cell-materials interaction, stem cell biology, proficient in molecular biological techniques such as quantitative PCR; RTPCR, ELISA, Western Blotting and immunoassay etc.
- **Proficient in design and execute experiment, interpretation of research result, and writing report and manuscript, manage and guide PhD/JRF/SRF absolutely necessary**

Duration of project: Two years. The appointment will be on a temporary basis. Based on performance in, the appointment could be extended till the end of the project.

Emoluments: Based on the candidate's qualification and experience.

How to Apply: Eligible candidates should apply with their CV via email to enarm@bme.iith.ac.in by 26th Nov, 2022, with the subject marked as **“Postdoctoral Position on Stem Cell Engineering and Regenerative medicine”**. Application will be accepted till the finding of a suitable candidate. Candidates will be short-listed for the interview based on merit and experience will be informed via email.

Preference: will be given to the candidates having **enough experience on the above-mentioned work** and also **committed to work in the project for longer time preferably at least 1.5 years.**