



Indian Institute of Technology Hyderabad
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Post-doctoral Research Fellowship (PDF) position at Regenerative medicine & stem cell (RMS) Lab, Dept. of Biomedical Engineering, IIT Hyderabad.

Title: Chondrogenic differentiation of stem cells and finding the secretome and molecular markers by biochemical assays

3D bio-printing using primary stem cells is an emerging and promising technique in diverse biomedical fields from disease models to regeneration. We are currently using primary human stem cells to fabricate pancreatic organoids, cartilage tissue or cancer organoids for drug testing and therapeutic applications using bioengineering strategies. Details in webpage: <https://tinyurl.com/22224q5y>

Applications are invited from interested and motivated candidates for the research projects in the Department of Biomedical Engineering of the Indian Institute of Technology Hyderabad (IITH) with collaboration with a multinational healthcare company. As the project is inter-disciplinary, strong experience in any one part of the project like stem cell culture, organoids, transcriptomics, and single cell RNA analysis, is solicited. Applicants are encouraged to apply who have good track record of high-end publications showing the project management skills.

1.	Name of the post	Post-doctoral Research Fellow (PDF)
2.	Number of Posts	Two
3.	Project Title	Chondrogenic differentiation of stem cells and finding the secretome and molecular markers by biochemical assays
4.	Funding Agency	Multinational Healthcare company
4.	Duration of the Position	One year extendible further as per grants.
5.	Consolidated monthly stipend	Rs. 50,000/- to Rs. 70,000/- per month consolidated as per cumulative first author papers with IF of 15 to 50 with suitable research experience

6.	Essential Qualifications	PhD in (Biomedical Engineering, Materials Science, Biotechnology, Chemical engineering, Mechanical Engineering or equivalent Biosciences degrees) with 60% marks or equivalent CGPA. Those at the end of their PhD must get signature of their guides if selected.
8.	Preferred qualifications	Knowledge of stem cell culture or transcriptomics or molecular biology or organoid culture are encouraged to apply. Publication with first author high-IF journals will have added advantage.
9.	Age	Not more than 40 years
10.	Application	Apply via google forms with uploading CV here: https://forms.gle/8j3ZyjeDdbSSnyh17 Fill the form before Nov 4th, 2023.
11.	Any other queries	Contact the PI by email below with subject heading “ QUERY ”. Name: Dr. Subha Narayan Rath Address: Professor Department of Biomedical Engineering, Indian Institute of Technology Hyderabad TS-502284, India. E-mail: rmslab.iith@gmail.com
12.	Shortlisted candidates	Only the short listed candidates for the interview based on merit will be informed via email by Nov 6th, 2023.
13.	Interview date	By online mode on Nov 9th or 10th, 2023.