Indian Institute of Technology Hyderabad
Kandi 502 284, Telangana, India
Phone: (040) 2301 6033; Fax: (040) 2301 6003, 6032

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

Title: Development of 3D-bioprinted artificial pancreas with nano sensors for real-time monitored insulin release: In vitro model replacing animal models for diabetic treatment

3D bio-printing 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 Materials Science and Metallurgical Engineering (MSME) dept. of IIT Hyderabad. As the projects are inter-disciplinary strong experience in one part of the project is encouraged to apply who can learn the other complementary skills with time.

1.	Name of the post	Post-doctoral Research Fellow (PDF)
2.	Number of Posts	One
3.	Project Title	**Development of 3D-bioprinted artificial pancreas with nanosensors for real-time monitored insulin release: In vitro model replacing animal models for diabetic treatment.**
4.	Funding Agency	SOCH-IITH
4.	Duration of the Position	**One year extendible further as per grants.**
5.	Consolidated monthly stipend	**Rs. 38,000/- to Rs. 50,000/- per month consolidated as per research field and 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.
8.	Preferred qualifications	**Knowledge of 3D printing or stem cell culture or diabetes-related works are encouraged to apply.** **Person with experience in cell culture and organoid related works.** **Publication in standard journal will have added advantage.**
9.	Age	Not more than 35 years
10.	Application	Apply via google forms with uploading CV here: https://forms.gle/bTQqQGU3uzTqFwaM7 Fill the form before **July 11th, 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	The short listed candidates for the interview based on merit will only be informed via email by **July 14th, 2023**.
13.	Interview date	By online mode on **July 17th or 18th, 2023**.