



Module PMRF-ISSS057/II/2024

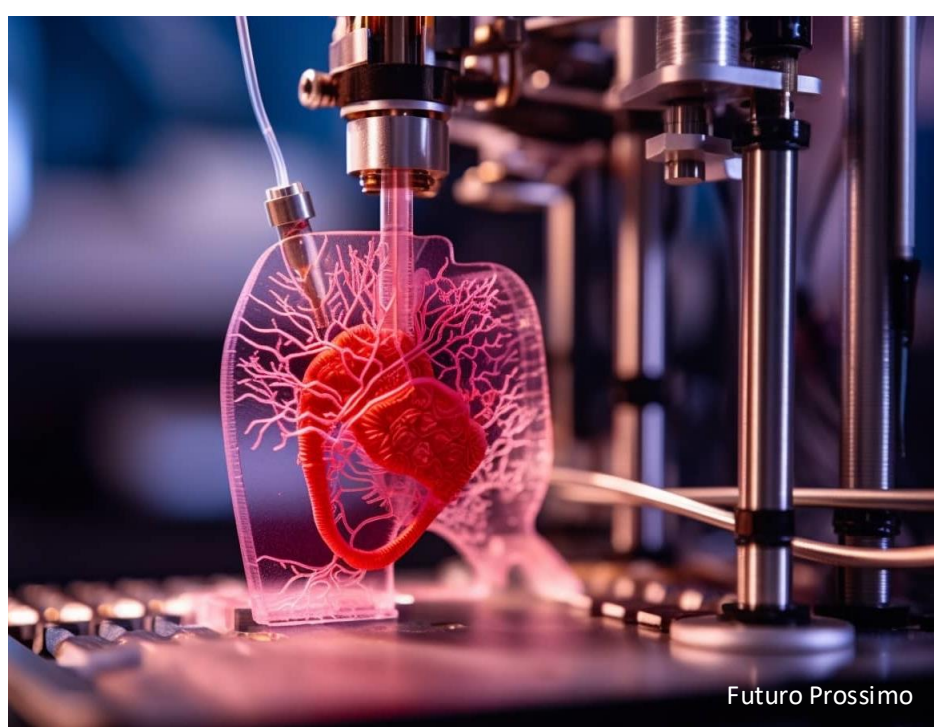
3D Bioprinting

Name of the PMRF student

Mouchandra Paul

Required background of the students taught

- Prior knowledge of basics of tissue engineering and biomaterials would be helpful.
- Should be keen to read research articles during the course.



Details of the content of the module

This course is designed for those who are working in 3D bioprinting field or are interested to pursue research in 3D bioprinting later in life.

In this course, we will cover following topics-

1. Introduction to CAD modelling – *Demonstration & Practice sessions*
2. Extrusion-based 3D bioprinting – *Lectures and discussions on relevant research articles*
3. Droplet-based 3D bioprinting - *Lectures and discussions on relevant research articles*
4. Laser-assisted 3D bioprinting- *Lectures and discussions on relevant research articles*
5. Light-based vat polymerisation 3D bioprinting- *Lectures and discussions on relevant research articles*

Schedule of the module

Start date: 13th Oct'24

End date: 15th Dec'24

Timings: Sundays, 6-8 PM (2-3 hrs/week)

Last date of registration: 11th Oct'24

Meeting link : Will be shared after registration

Contact email ID: iss.forum@gmail.com

Registration link:

<https://forms.gle/oUu3WPLhhowkUiU28>