



AUA-IIT Bombay Youth Forum 2024

11 November - 15 November 2024

IIT Bombay, India



A Fresh Outlook to Drug Discovery and Personalised Medicine: Hands-on Workshop and Brainstorming Sessions

Sessions

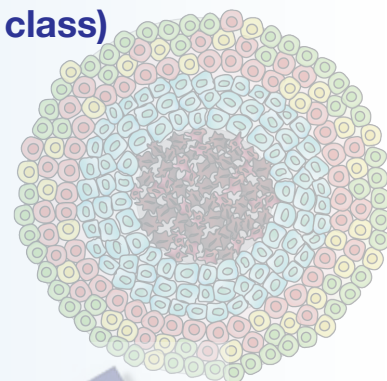
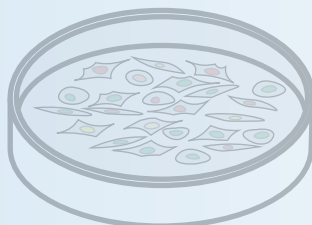
- Phenomenological and Data driven mathematical modelling
- Understanding the Cell Cycle regulation in cancer
- Demonstration of FUCCI cell cycle reporter for live cell imaging
- Organ on Chip Models: Fabrication Demonstration
- Microfluidic Organ on chip models for quasi-3D and 3D cell culture
- Industry visits with a focus on 3D cell and tissue culture system

(**Hands-on training session after each class)

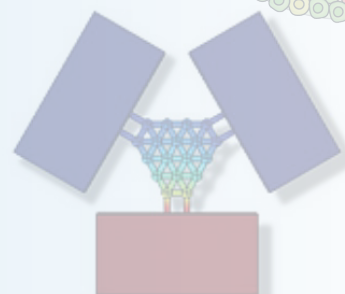
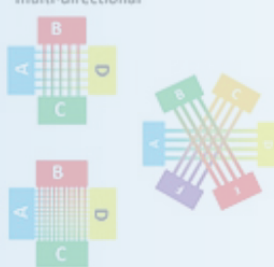


$$\frac{dy}{dt} = \frac{k_1 \times x^2}{k_m^2 + x^2} - d_y \times y$$

$$\frac{dx}{dt} = \frac{k_2 \times y^2}{k_m^2 + y^2} - d_x \times x$$



multi-directional



**Registration Deadline
20 September, 2024**

Opportunity For Undergraduate and Master's students

****Interested students may contact
the international office of your own university**

**For Further Details, Please Contact
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