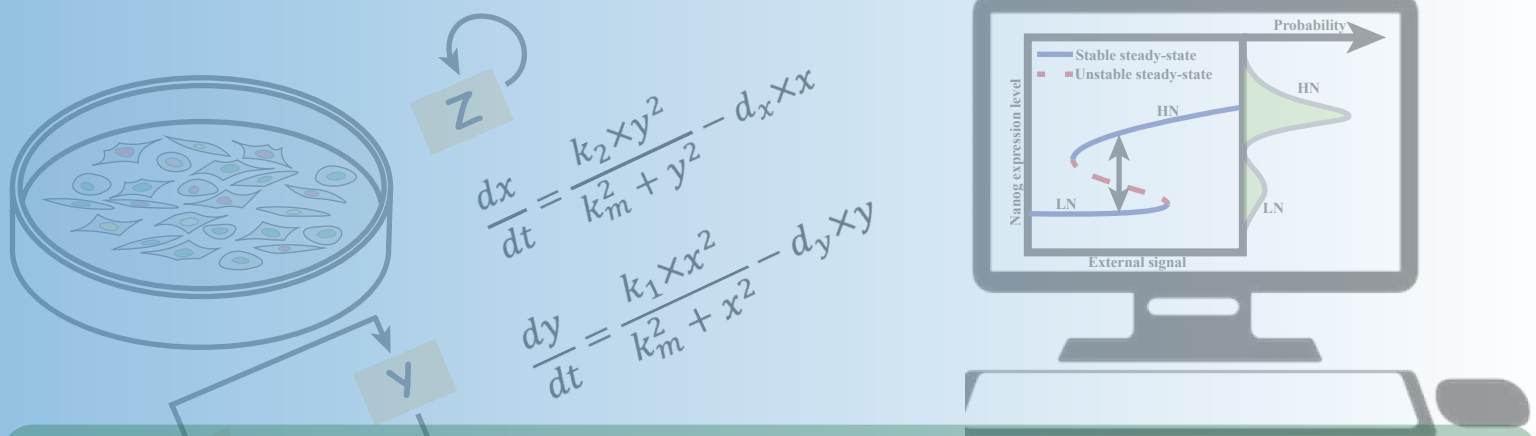




AUA-IIT Bombay Overseas Study Program 2023

Systems Biology: A quantitative way to tackle disease regulations for a futuristic public healthcare system



How do cells compute?

Phenomenological and Data Driven Mathematical Modelling

Network Motifs, Bifurcation Theory

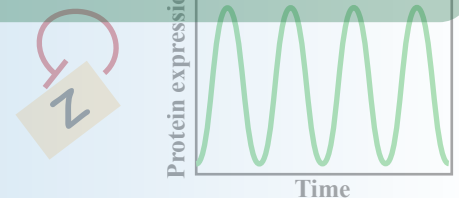
Noise in Gene Expression

Implementation of Systems Biology in Understanding Cell Cycle and Stem Cell Differentiation Dynamics

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

$$\frac{du}{dt} = f(u, v) + D_u \nabla^2 u$$

$$\frac{dv}{dt} = g(u, v) + D_v \nabla^2 v$$



Opportunity For UG, PG, PhD Students

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

Registration Deadline
5th June, 2023

For Further Details, Please Contact
Prof. Sandip Kar, IIT Bombay
Email: sandipkar@iitb.ac.in