



Module PMRF-ISSS053/2022

Chemical Biology

Name of the PMRF student

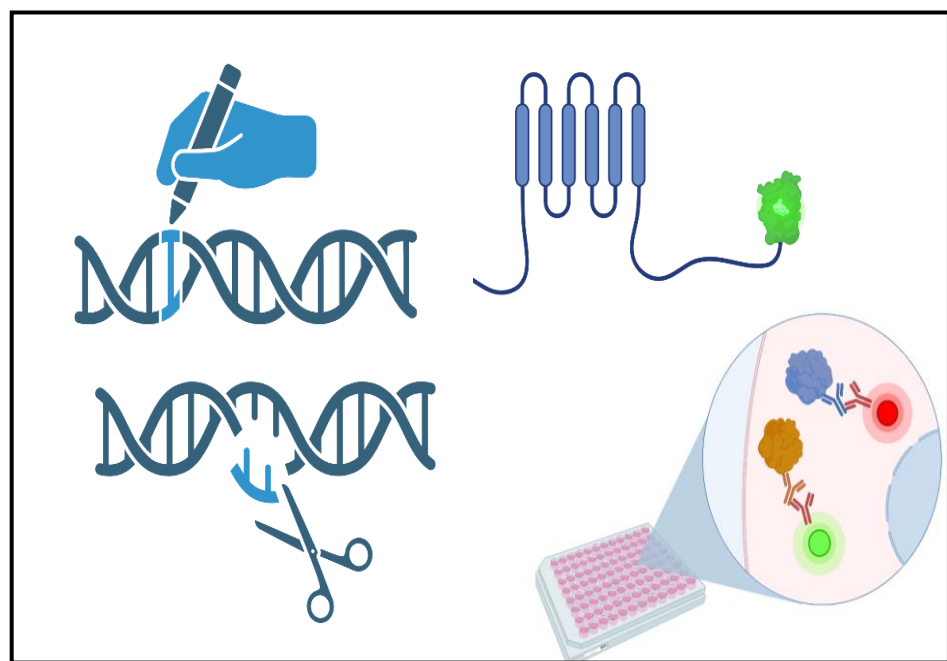
Subhashini Murugan

Required background of the students taught

Basic knowledge of organic chemistry and biology (undergraduate level)

Online session coordinator

Will be chosen from the list of registrants



Details of the content of the module

This course will cover concepts and techniques of chemistry and biology utilized for manipulating and mimicking biological systems. The highlights of the field and hot topics of related research will also be discussed. This course will help in understanding the application of interfacial science for solving various problems.

Course Contents:

- Introduction and basics of biomolecules
- Building blocks of biomolecules – Nucleic acids, Proteins, Sugars, Lipids
- Enzyme engineering techniques for novel and more efficient biocatalysis
- Bioorthogonal reactions and conjugation techniques
- Fluorescence tagging for imaging and mechanistic studies

Schedule of the module

Start Date: 18.01.22 (Tentative)

End Date: 12.04.22 (Tentative)

Timings: Wednesdays, 7:00 to 8:00 p.m. IST

Total hours: ~ 13 (1 hr/ week)

Link

Contact email ID: iss.forum@gmail.com

Registration link:
<https://forms.gle/8sWET91J8J8cfhR79>