



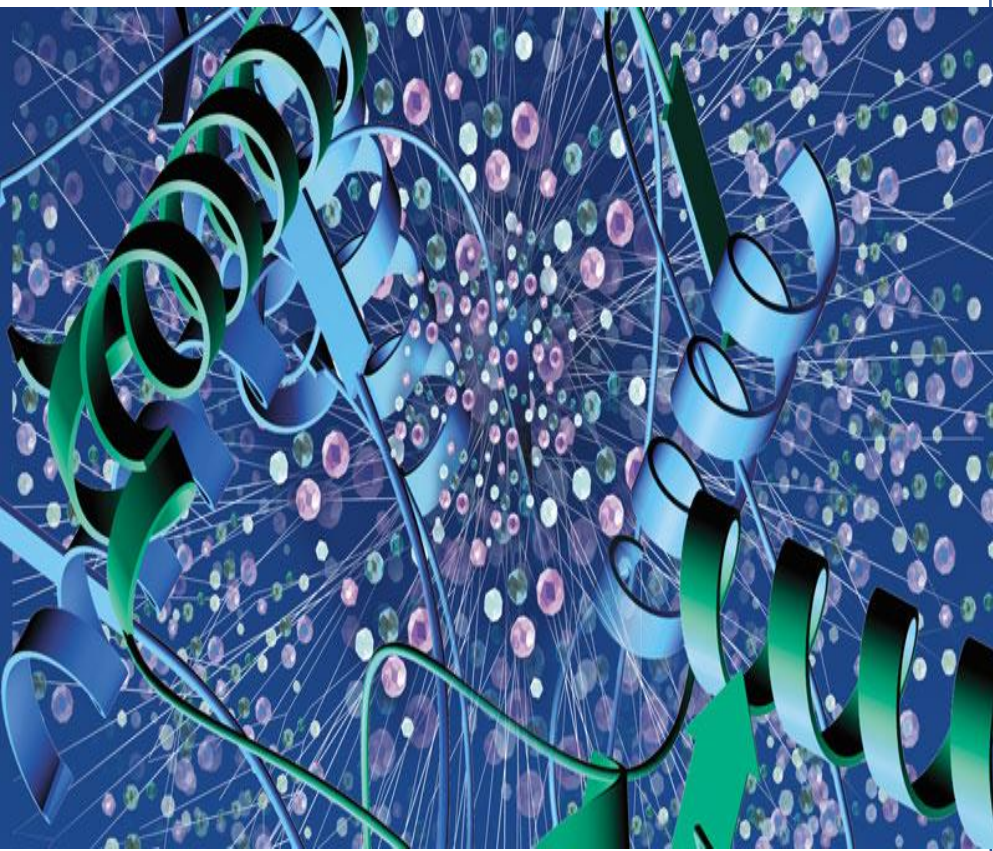
Module PMRF-ISSS014/2025 Introduction to Biochemistry

Name of the PMRF student

Ayan Chandra

Required background of the students taught

Students pursuing B.Sc. Or M.Sc. in
Microbiology, Botany, Zoology, Biotechnology
or B.Tech in Biotechnology.



<https://www.york.ac.uk/biology/research/biochemistry-biophysics/>

Schedule of the module

Start Date – 28th February, 2025

Lecture Schedule – One recorded lectures of 2 hrs duration will be uploaded every Friday and Saturday; 13 lectures; Additional doubt clearance interactive session will be there.

End Date – 18th April, 2025

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Details of the content of the module

1. Protein Structure and Function
2. Enzymes
3. Carbohydrate
4. Nucleic Acid Chemistry and Genome
5. Lipid Chemistry, Biological membrane and Transport
6. Cell Signalling
7. Carbohydrate metabolism: Glycolysis, Gluconeogenesis, Pentose Phosphate pathway, Glycogen metabolism
8. Citric acid cycle and Fatty acid oxidation
9. Amino acid oxidation, Oxidative phosphorylation
10. DNA Metabolism
11. RNA Metabolism
12. Protein Metabolism
13. Regulation of Gene Expression

Meeting link : Will be shared later

[Link](#)

Contact email ID: iiss.forum@gmail.com

Registration link:
<https://docs.google.com/forms/d/15A1pQLSeKuEujHhw1zpQF1FcULmFtang6DuGFLwBI9-4k5d0A/viewform>