Introduction to Structural and Functional Biochemistry

Module Information

2022.01, Approved

Summary Information

Module Code	4102BCBMOL
Formal Module Title	Introduction to Structural and Functional Biochemistry
Owning School	Pharmacy & Biomolecular Sciences
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 4
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Pharmacy & Biomolecular Sciences

Learning Methods

Learning Method Type	Hours
Lecture	40
Practical	15

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

Aims and Outcomes

Aims	To develop a basic fundamental understanding of structural and functional aspects of macromolecules, particularly proteins, in biology.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Analyse and present scientific data appropriately
MLO2	2	Recall important aspects of the structure and function of macromolecules

Module Content

Outline Syllabus	Biological chemistry Protein structure and regulationProtein function Carbohydrate structure and functionMacromolecule purification & analysisMechanisms of cell signalling
Module Overview	This module enables you to develop a basic fundamental understanding of structural and functional aspects of macromolecules, particularly proteins, in biology. This module will also enable you to demonstrate understanding of how protein structure impacts on protein function.
Additional Information	This module will enable students to demonstrate understanding of how protein structure impacts on protein function.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Report	50	0	MLO1
Centralised Exam	Exam	50	1	MLO2

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Kehinde Ross	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings