

Summary Information

Module Code	5106BCBMOL
Formal Module Title	Molecular Cell Biology
Owning School	Pharmacy & Biomolecular Sciences
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Pharmacy & Biomolecular Sciences

Learning Methods

Learning Method Type	Hours
Lecture	36
Practical	12
Tutorial	5

Module Offering(s)

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

Aims and Outcomes

Aims	The module will introduce students to a range of important cellular processes and some of the main molecular mechanisms associated with the regulation of these processes.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Appraise the mechanisms of selected cellular processes
MLO2	2	Study cellular processes experimentally

Module Content

Outline Syllabus	Translation and post-translational modifications Receptors and Signalling pathways Exocytosis/endocytosis Tissue homeostasis Molecular mechanisms of mitosis Immunology
Module Overview	This module will introduce you to a range of important cellular processes and some of the main molecular mechanisms associated with the regulation of these processes. It will empower you to demonstrate a critical understanding of signal transduction, cell proliferation and mechanisms of cell death. You will encounter experimental methods for the investigation of relevant areas of biochemistry and molecular biology.
Additional Information	This module will empower students to demonstrate a critical understanding of signal transduction, cell proliferation and mechanisms of cell death. Transport of molecules in and out of cells will be explained and molecular cell immunology will be introduced. Students will encounter experimental methods for the investigation of relevant areas of biochemistry and molecular biology.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Centralised Exam	Exam	50	2	MLO1
Report	Report	50	0	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
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