

Summary Information

Module Code	4102BMBMOL
Formal Module Title	Cell Biology
Owning School	Pharmacy & Biomolecular Sciences
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 4
Grading Schema	40

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Joanne Foulkes	Yes	N/A

Module Team Member

Contact Name	Applies to all offerings	Offerings
Adam Lightfoot	Yes	N/A
Adrian O'Hara	Yes	N/A
Iain Dykes	Yes	N/A
Sidgi Hasson	Yes	N/A
Giles Watts	Yes	N/A
Nicholas Bryan	Yes	N/A
Khalid Rahman	Yes	N/A
Kehinde Ross	Yes	N/A
Kate Phillips	Yes	N/A

Darren Sexton	Yes	N/A
Gordon Lowe	Yes	N/A
Laura Randle	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
--------------	--------------------------	-----------

Teaching Responsibility

LJMU Schools involved in Delivery
Pharmacy & Biomolecular Sciences

Learning Methods

Learning Method Type	Hours
Lecture	37
Practical	9
Seminar	3
Workshop	6

Module Offering(s)

Offering Code	Location	Start Month	Duration
SEP-CTY	CTY	September	12 Weeks

Aims and Outcomes

Aims	To provide a fundamental introduction to cellular biology and the manner in which the functions of individual cells contribute to the overall function of a tissue in health and disease.
-------------	---

Learning Outcomes

After completing the module the student should be able to:

Code	Description
MLO1	Define the role of important organelles and molecules in the overall survival of a cell
MLO2	Identify the key cell types which specialise the function of a range of tissues

MLO3	Exemplify how changes in cell and tissue biology result in disease
------	--

Module Content

Outline Syllabus

The module provides an overview of cell biology and the ways in which the functions of individual cells contribute to the function of tissues. As well as considering the structure and function of organelles, and how cell division and the cell cycle underpins growth and repair, the module will address cell/extracellular environment interactions. The histology of important tissues (including blood, epithelial, nervous and connective tissues, cartilage and bone) will be covered and specialisation in organs such as liver, kidney, cardiovascular, respiratory and reproductive systems will be introduced to underpin developments of the work in later modules. Changes in tissue during disease will form an introduction to the more specialised developments of Biomedical Science.

Module Overview

The aim of this module is to provide a fundamental introduction to cellular biology and the manner in which the functions of individual cells contribute to the overall function of a tissue in health and disease.

Additional Information

This course is designed to provide students with foundational skills in cell biology. Throughout the course we will cover in detail, fundamental cellular processes, cellular contents and cell turnover in addition to how cells become specialised to perform specific roles in tissues during the histology component. In addition the module will also begin to equip students with some of the practical biological skills on which they will build as they progress through their studies.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Learning Outcome Mapping
Presentation	Group Poster Presentation	50	0	MLO3, MLO2
Centralised Exam	MCQ Exam	50	2	MLO1, MLO3, MLO2