

## Summary Information

<b>Module Code</b>	4114BCBMOL
<b>Formal Module Title</b>	Introduction to Cell Biology
<b>Owning School</b>	Pharmacy & Biomolecular Sciences
<b>Career</b>	Undergraduate
<b>Credits</b>	20
<b>Academic level</b>	FHEQ Level 4
<b>Grading Schema</b>	40

## Module Contacts

### Module Leader

Contact Name	Applies to all offerings	Offerings
Helen Burrell	Yes	N/A

### Module Team Member

Contact Name	Applies to all offerings	Offerings
Andrew Powell	Yes	N/A
Nicholas Bryan	Yes	N/A
Kate Evans	Yes	N/A
Iain Dykes	Yes	N/A
Kehinde Ross	Yes	N/A
Sandra Fawcett	Yes	N/A

### Partner Module Team

Contact Name	Applies to all offerings	Offerings
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## Teaching Responsibility

LJMU Schools involved in Delivery
Pharmacy & Biomolecular Sciences

## Learning Methods

Learning Method Type	Hours
Lecture	30
Practical	6
Seminar	5
Workshop	10

## Module Offering(s)

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

## Aims and Outcomes

<b>Aims</b>	To provide an introduction to the field of cell biology (the study of the structure and function of cells).
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## Learning Outcomes

After completing the module the student should be able to:

Code	Description
MLO1	Describe the relationships between structure, function and communication in cells and tissues.
MLO2	Demonstrate a knowledge and understanding of basic cell signalling and receptors
MLO3	Use experimental methods to explain key molecules and cellular processes
MLO4	Communicate cellular scientific information

## Module Content

Outline Syllabus
Cell structure/function: general differences between prokaryotes and eukaryotes (including animal and plant cells), cytoskeleton, lysosomes/peroxisomes/vacuoles, endoplasmic reticulum/Golgi apparatus, mitochondria, cell adhesions/extracellular matrix. Cell cycle Membrane structure/function Basic tissues/histology Basic cell signalling and receptors including receptor tyrosine kinase and MAP kinase, JAK/STAT pathways

## Module Overview

The aim of this module is to provide an introduction to the field of cell biology (the study of the structure and function of cells). This module will enable you to demonstrate basic understanding of cell structure/function and how cells give rise to functions within tissues.

## Additional Information

This module will enable students to demonstrate basic understanding of cell structure/function and how cells give rise to functions within tissues. Students will encounter experimental methods to investigate the relevant areas of cell biology.

## Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Learning Outcome Mapping
Centralised Exam	Exam	60	2	MLO1, MLO2, MLO3
Presentation	Poster Presentation	40	0	MLO4