

Cancer Pharmacology

Module Code:	INC7003-B
Academic Year:	2018-19
Credit Rating:	20
School:	School of Pharmacy and Medical Sciences
Subject Area:	Cancer Therapeutics
FHEQ Level:	FHEQ Level 7 (Masters)

Pre-requisites:

Co-requisites:

Contact Hours

Type	Hours
Lectures	24
Tutorials	6
Directed Study	170

Availability Periods

Occurrence	Location/Period
BDA	University of Bradford / Semester 2 (Feb - May)

Module Aims

To develop a critical evaluative understanding of the role that cancer pharmacology plays in the development and evaluation of anti-cancer drugs in both the pre-clinical and clinical settings. Emphasis will be placed on emerging concepts that reflect the changing nature of modern drug development. The student led target evaluation exercise in the Molecular Basis of Cancer & Cancer Therapy will be extended through the evaluation of therapeutic strategies employed against these targets.

Outline Syllabus

This module will cover the role played by the cancer pharmacologist in the development and evaluation of new anti-cancer drugs with the emphasis placed on modern and emerging

approaches that reflect the changing nature of drug development. Topics to be covered include; biochemical and molecular pharmacology in cell free assays, pharmacokinetics and pharmacodynamics, drug delivery issues, combination therapies and drug administration issues, clinical trial design, regulatory issues required for drug registration, good laboratory practice and ethical issues related to human tissue acquisition and tissue banks. Students will also extend their literature searching and written communication skills through the preparation of drug profile reports and oral communication through presentation of a seminar.

Module Learning Outcomes

On successful completion of this module, students will be able to...

- 1 Critically evaluate cancer pharmacology in the context of anti-cancer drug development.
- 2 Critically evaluate how drugs work and are metabolised
- 3 Prepare for oral presentations of research papers, collate material for a written report. Develop generic literature skills for life-long learning (literature & databases).

Learning, Teaching and Assessment Strategy

A combination of lectures, student-led seminars (journal club) and plus student directed learning (written drug evaluation report).

Mode of Assessment

Type	Method	Description	Length	Weighting	Final Assess'
Summative	Other form of assessment DO NOT USE	Journal Club Exercise		25%	No
Summative	Examination - closed book	Examination (two essays to be answered from a choice of 5)	2 hours	50%	Yes
Summative	Coursework	A drug/drugs profile written report	-3000 words	25%	No

Legacy Code (if applicable)

CR-4003D

Reading List

To view Reading List, please go to [rebus:list](#).