

2006/07 Taught Postgraduate Module Catalogue

BIOL5236M

Cancer Genetics

10 credits

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Taught Semester 2 [View Timetable](#)

Year running 2006/07

Pre-requisite qualifications

BSc or equivalent

Pre-requisites

BIOL5221M (or equivalent)

Module replaces BIOL5229M

This module is not approved as an Elective

Objectives

On completion of this module, students should be able to:

Discuss the relationship between the eukaryotic cell cycle and how breakdown in control mechanisms leads to aberrant cell division

Discuss the stress signals that activate p53 and the possible biological outcomes of its activation (including cell cycle arrest, senescence and apoptosis)

Discuss positive and negative feedback loop mechanisms by which p53 is regulated

Discuss the role of angiogenesis in tumour progression

Syllabus

This module will be based largely on self-directed learning with a major aspect being the appreciation of and detailed analysis and critical appraisal of the scientific literature. Students will be provided the opportunity to develop their skills in data analysis and problem solving.

Teaching methods

Workshops 5 x 3 hours

Private study

Reading, preparation for workshops and preparation of assessed work

Progress monitoring

Contribution to workshops

Methods of assessment

Report (60%)

2 x oral presentations at the workshops (20% each)

Reading list

The [reading list](#) is available from the Library website