

2007/08 Taught Postgraduate Module Catalogue

BIOL5226M

Genetics and Immunity

10 credits

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Taught Semester 2 [View Timetable](#)

Year running 2007/08

Pre-requisite qualifications

BSc or equivalent.

This module is not approved as an Elective

Objectives

On completion of this module, students should possess:

- a basic understanding of immunology, with emphasis on areas of particular interest to human geneticists;
- an in depth coverage of a number of topics of current interest in human immunogenetics.

Syllabus

Cells involved in the immune response. Complement. Antibodies and their receptors. T cell receptors and MHC. Generation of diversity. Antigen recognition. Cell cooperation. Cell mediated immune reactions. Regulation of the immune response. Immunity to protozoa and worms. Hypersensitivity, emphasising relevance of types I and IV to this course. There will be limited coverage of vaccination, immunodeficiency, transplantation and autoimmunity.

Teaching methods

Delivery type	Number	Length hours	Student hours
Presentation	10	0.30	5.00
Lecture	18	1.00	18.00
Private study hours			77.00
Total Contact hours			23.00
Total hours (100hr per 10 credits)			100.00

Private study

2.5 hours reading per lecture/presentation;

5 hours preparation for own presentation + 2 hours reading for other groups'

presentations: 7 hours;
Preparation for essay: 9 hours.

Progress monitoring

Performance in 1 x 30-minute presentation;
2000-word assessed essay.

Methods of assessment

Coursework

Assessment type	Notes	% of formal assessment
Critique	Critique/analysis of research papers	50.00
Presentation	Presentation	20.00
Essay	1 x 2000-word essay	30.00
Total percentage (Assessment Coursework)		100.00

Reading list

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