

COURSE DETAIL

MOLECULAR AND CELLULAR IMMUNOLOGY

Country

United Kingdom - England

Host Institution

University of London, Royal Holloway

Program(s)

University of London, Royal Holloway

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

139

UCEAP Course Suffix

N

UCEAP Official Title

MOLECULAR AND CELLULAR IMMUNOLOGY

UCEAP Transcript Title

IMMUNOLOGY

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course examines the specific immune system at the molecular level, dealing with the structure and function of the soluble and cell surface proteins involved, and to study the roles of the various cell types which participate in the immune response. This course covers a range of topics in molecular and cellular immunology, including the immune response and acquired immunity; antibody structure and function; antibody diversity and clonal selection; genetics of immunoglobulin expression; the complement system; antibody techniques; monoclonal antibodies; hypersensitivity reactions (allergies); the activity of T cells; major histocompatibility complexes, their role in transplant rejection and non-self recognition; HIV and AIDS.

Language(s) of Instruction

English

Host Institution Course Number

BS2540

Host Institution Course Title

MOLECULAR AND CELLULAR IMMUNOLOGY

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Biological Sciences

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