

COURSE DETAIL

MOLECULAR AND CELLULAR INFECTION IMMUNOLOGY

Country

Germany

Host Institution

Humboldt University Berlin

Program(s)

Humboldt University Berlin, Free University Berlin

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

124

UCEAP Course Suffix**UCEAP Official Title**

MOLECULAR AND CELLULAR INFECTION IMMUNOLOGY

UCEAP Transcript Title

MOL&CELL IMMUNOLOGY

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course introduces students to cellular and molecular immunology with physiological correlations and clinical implications. Topics include: Components of the immune system and hematopoiesis; Innate immunity: inflammation and defense against bacteria; PAMP, TLRs, cytokines, phagocytosis and antigen presentation; Acquired immunity: GOD, T-cell development, T-cell activation and self-limiting, memory and differentiation in T-cell populations, B-cells, antibodies, and their effector, tolerance and regulatory T cells; NK cells, gd T cells, NKT cells, cytokines and chemokines, defense against viruses, tumor immunology, hyper-sensitivities, allergies and autoimmunity, and transplantation immunology.

Language(s) of Instruction

English

Host Institution Course Number

2112QMB008L

Host Institution Course Title

MOLECULAR AND CELLULAR INFECTION IMMUNOLOGY

Host Institution Course Details

<https://agnes.hu-berlin.de/lupo/rds?state=verpublish&status=init&vmfile=no&publ...>

Host Institution Campus

Humboldt Univ. Berlin

Host Institution Faculty

Host Institution Degree

Host Institution Department

Institut für Biologie

Course Last Reviewed

2023-2024

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