

COURSE DETAIL

MOLECULAR MICROBIOLOGY

Country

Denmark

Host Institution

University of Copenhagen

Program(s)

University of Copenhagen

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

115

UCEAP Course Suffix**UCEAP Official Title**

MOLECULAR MICROBIOLOGY

UCEAP Transcript Title

MOLECULAR MICROBIOL

UCEAP Quarter Units

12.00

UCEAP Semester Units

8.00

Course Description

This course is taught by researchers belonging to the Sections of Functional Genomics and of Biomolecular Science and provides a broad overview of both the fundamental knowledge and the rapidly developing and exciting topics in molecular microbiology. Emphasis is placed on the molecular mechanisms underlying bacterial stress physiology, which is essential for bacterial survival in the environment, and thereby tolerance and resistance to antibiotics. The course involves lectures as well as theoretical excises (colloquium) where in-depth discussion of recent research articles are presented by the students with guidance from the instructors. Finally, in the laboratory exercise part, relevant critical and cutting-edge techniques are used to investigate research problems that are currently being studied in the laboratory. This comprehensive course thus provides a strong platform for students who wish to pursue or already are pursuing a research career in molecular microbiology and also in areas connected with general microbiology.

Language(s) of Instruction

English

Host Institution Course Number

NBIB16001U

Host Institution Course Title

MOLECULAR MICROBIOLOGY

Host Institution Course Details

<https://kurser.ku.dk/course/nbib16001u/2025-2026>

Host Institution Campus

Host Institution Faculty

Science

Host Institution Degree

Bachelor

Host Institution Department

Biology

Course Last Reviewed

2025-2026

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