

COURSE DETAIL

MOLECULAR PATHOLOGY

Country

Netherlands

Host Institution

Utrecht University

Program(s)

Utrecht University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences Biochemistry

UCEAP Course Number

120

UCEAP Course Suffix**UCEAP Official Title**

MOLECULAR PATHOLOGY

UCEAP Transcript Title

MOLECULAR PATHOLOGY

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

During this course, students get acquainted with the latest developments in diagnostic molecular pathology, both in theory and practice, and gain insight in the molecular biological concepts of diseases. Specific themes are used to describe the entire process, from obtaining tissues until diagnosis. Histological and immunohistochemical techniques are discussed, but the focus is on next generation molecular pathological approaches and techniques, sequence analysis, proteomics, laser microdissection, and tissue-arrays. Student execution of these techniques and written scientific reports are important aspects of this course. The course begins with a general introduction in the molecular pathology and accompanying genetic aspects, followed by specific themes on: cardiovascular and transplantation pathology; laboratory animal models in molecular pathology; genetic; and epigenetic aspects of tumor genesis.

Language(s) of Instruction

English

Host Institution Course Number

BMW32607

Host Institution Course Title

MOLECULAR PATHOLOGY

Host Institution Campus

Host Institution Faculty

Medicine

Host Institution Degree

Host Institution Department

Biomedical Sciences

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