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 Course Details
https://osiris-student.uu.nl/#/onderwijscatalogus/extern/cursus?taal=en

Host Institution Campus

Host Institution Faculty
Medicine

Host Institution Degree

Host Institution Department
Biomedical Sciences

Course Last Reviewed
2021-2022

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