

COURSE DETAIL

STEM CELL BIOLOGY AND THERAPY

Country

Germany

Host Institution

Free University of Berlin

Program(s)

Free University Berlin

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences Biochemistry

UCEAP Course Number

108

UCEAP Course Suffix**UCEAP Official Title**

STEM CELL BIOLOGY AND THERAPY

UCEAP Transcript Title

STEMCELL BIO&THERPY

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This class focuses on stem cell biology and stem cell therapy. In the stem cell biology part of the course, the following topics are covered: stem cell and regenerative medicine, adult stem cell, embryonic stem cell, induced pluripotent stem cell, stem cell niche, technique of purification and characterization (FACS). In the stem cell therapy part of the course, the following topics are covered: the basics of stem cell transplantation, hematopoietic stem cell transplantation (HSCT), cancer stem cell and targeted therapy, skin stem cell and their clinical application, stem cell and cardiac repair.

Language(s) of Instruction

English

Host Institution Course Number

216711a/b

Host Institution Course Title

STEM CELL BIOLOGY/STEM CELL THERAPY

Host Institution Course Details**Host Institution Campus**

BIOLOGIE, CHEMIE, PHARMAZIE

Host Institution Faculty**Host Institution Degree****Host Institution Department**

Biochemie

Course Last Reviewed

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