

Title of module

Advanced Practical in the Focal Point Programme:
"Molecular Medicine" VZ: 185881
" Molecular Pathology"

Credit points

7.5
(of 15)

Available in semester(s)

2

Hours per week

9

Compact course



Lecturer(s)

A. Tannapfel and teaching assistans

Teaching methods

A five-week all-day practical lab course with a compulsory seminar presentation.
Please note: A second Advanced Practical will have to be performed in the same semester to earn the full complement of 15 credits

Evaluation of learning progress

Active participation, feedback during independently performed experiments, project discussions with the supervisor

Mode of examination

Assessment of experimental skills during the practical (50%), a written project report (40%), and an oral presentation of experimental results (10%).

Learning objectives

After completion of the course students will have basic knowledge in molecular and cell biology based techniques to analyze the effects of cancer related genes.

Soft skills

Development of both written and oral scientific presentation skills and collaborative team work.

Contents of module

Depending on the project the student joins the course will offer the opportunity to acquire hands on experience in at least one of the following fields:

- 1) Cell culture
- 2) Molecular biology
- 3) Immunohistochemistry
- 4) FACS analysis