

BIO-636

Practical - Cole Lab

Cole Stewart, Pojer Florence

Cursus	Sem.	Type
Molecular Life Sciences		Obl.

Language of teaching	English
Credits	1
Session	
Exam	Oral
Workload	30h
Hours	24
Courses	8
TP	16
Number of positions	4

Frequency

Every year

Remark

3-day Block course, every year in January. To register, contact EDMS Administration

Summary

An introduction to antibacterials. Teach steps in drug discovery. Introduction to protein crystallography.

Content

Students will learn how antibiotics work and what approaches are currently being used to find new ones. This will include whole cell screens, target-based screens, structure-based drug design.

Note

Note that while the course is open to all first year EPFL doctoral students, priority will be given to EDMS students. Note also that doctoral students from the Cole laboratory cannot take this course. Access is limited to 4 students.

Keywords

Antibacterials, susceptibility testing, assay development, crystallography, in silico docking and modeling.

Learning Prerequisites**Recommended courses**

Training in microbiology/biochemistry.

Resources**Websites**

- <http://cole-lab.epfl.ch/>