Course description

Course	Eukaryotic Cell Cultures
Department	Department of Pharmacology and Toxicology
Language	English
Nature	Optional
Year/semester	1st year, spring-term
Credits (ECTS)	4
Lectures (hour/semester)	15
Plenary lectures (hour/semester)	25
Practicals (hour/semester)	
Responsible teacher	Dr. Farkas Orsolya, Dr. Gere Erzsébet
Teacher(s)	Dr. Farkas Orsolya, Dr. Gere Erzsébet
Prerequisites	

Learning outcome (include skills and competencies, if any)

Understanding the principles of cell culture techniques

Outcome assessment

Based on succesful completion of written task

Weekly schedule of lectures and practicals

WEEK	Lecture topics
Week 1	possibilities and limitations of in vitro cell cultures, culture types and characterization, basic cell culture techniques, 3D cell cultures, practical applications, problems and solutions , planning an in vitro experiment

WEEK	Practical topics
Week 1	basic cell culture techniques (maintaining and passaging of cultures, cell counting), cell viability measurements, in vitro assays

Recommended literature

Note(s)

The course will be compressed in 1 week