

Faculty of Medicine



SBIM2520 Workshop of molecular genetics

[40h] 3 credits

Teacher(s): Patrick Jacquemin, Patrick Jacquemin
Language: French
Level: Second cycle

Aims

Familiarization with the experimental work in a biomedical research laboratory

Main themes

At the end of the workshop, the students should be able to :

- understand an experimental protocol
- master the use of laboratory instruments
- analyse and interpret experimental results
- write a laboratory notebook

Content and teaching methods

The students will perform different experiments :

- bacterial transformation and DNA purification
- RNA purification and analysis
- culture of eukaryotic cells, plasmid transfection and measurement of reporter gene activity

Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Prerequisite : ANAT2120, FARM2182

Evaluation will be based on two elements :

- the quality of the participation to the workshop
- the writing of a notebook describing the results of the experimental work

Programmes in which this activity is taught

MD3DA/FA Diplôme d'études approfondies en sciences de la santé (sciences pharmaceutiques)
NUT2 Licence en sciences biomédicales (nutrition humaine)

Other credits in programs

MD3DA/BI	Diplôme d'études approfondies en sciences de la santé (sciences biomédicales)	Mandatory
SBEX22	Deuxième licence en sciences biomédicales (sciences biomédicales expérimentales)	Mandatory