

Modèles cellulaires et animaux et FSTAL module 1

Lecturers

Catherine LEDENT (Coordinator), SABINE COSTAGLIOLA and Alban DE KERCHOVE D'EXAERDE

Course mnemonic

BIME-G4406

ECTS credits

5 credits

Language(s) of instruction

French

Course period

Second term

Course content

The key topics covered in the learning activity are listed below.

Cellular models: embryonic stem cells, induced pluripotent stem cells.

Animal models:

- > Unicellular eukaryotes: *Saccharomyces cerevisiae* and *Saccharomyces pombe*
- > Pluricellular eukaryotes:
 - > invertebrates (*Caenorabditis elegans* and *Drosophila melanogaster*)
 - > non-mammalian vertebrates (*Danio rerio*, *Xenopus laevis* and *Xenopus tropicalis*)
 - > mammalian vertebrates (*Mus musculus*)

Objectives (and/or specific learning outcomes)

To provide general and actual knowledge in main cellular and animal models relevant in biotechnology and medicine.

Teaching method and learning activities

- > *ex-cathedra* teaching in French with visual aid by PowerPoint

- > podcasts

Contribution to the teaching profile

The teaching unit contains one learning activity entitled "Cellular and animals models" taught by 3 different teachers.

Other information

Contact(s)

Catherine LEDENT cledent@ulb.ac.be

Evaluation method(s)

Other

Evaluation method(s) (additional information)

independent written examination for each part of the learning activity.

Determination of the mark (including the weighting of partial marks)

The final mark of the teaching unit is scored out of 20 and calculated as the arithmetic average of the scores for the 3 written examinations if all the scores are greater than or equal 10 with a tolerance for only one 8 or two 9 scores out of 20. If that condition is not fulfilled, the final mark of the teaching unit will be the lowest score.

Main language(s) of evaluation

French

Programmes

Programmes proposing this course at the faculty of Medicine

MA-BIMED | Master in Biomedical Sciences | finalité Research/unit 1 and finalité Professional/unit 1