UCLouvain

wsbim1204

2020

Due to the COVID-19 crisis, the information below is subject to change, in particular that concerning the teaching mode (presential, distance or in a comodal or hybrid format).

2 credits	30.0 h	Q2

Teacher(s)	Guiot Yves ;Marbaix Etienne (coordinator) ;Pierreux Christophe ;
Language :	French
Place of the course	Bruxelles Woluwe
Prerequisites	Histology of the investigated tissues needs to be known. *The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.*
Main themes	Theory about morphological methods used to investigate biological methods and practical training to address an exemplative problem in one week
Aims	1 · To gain theoretical and practical knowledge of histological and immunohistological techniques, and theoretical notions of in situ hybridization. · To solve a biological problem by using morphological methods. - - - - *The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".*
Evaluation methods	**Due to the COVID-19 crisis, the information in this section is particularly likely to change.** Evaluation will be made by oral examination with presentation of the histological section at the microscope and discussion about the report.
Content	· Theory : Histological techniques : frozen sections, paraffin sections, synthetic resin embedding Immunohistochemical techniques In situ hybridization · Practical : Mouse dissection and tissues sampling Preparation of buffers and fixative solutions Tissue freezing or fixation in formalin Frozen sections (demonstration) Immunohistochemistry on frozen sections (demonstration) Paraffin embedding Paraffin sections H&E and PAS staining Immunohistochemistry on paraffin sections Supervised microscopic analysis (video screening)
Other infos	Students will be supervised by PhD students during the training. Students will have to make a report of the study, resembling a scientific article. They will be paired for this report (one student investigating the control animal, the other one the test animal).
Faculty or entity in charge	SBIM

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Bachelor in Biomedicine	SBIM1BA	2	WFARM1009 AND WMD1006	🔍