UCLouvain

wsbim1204

2023

Histology and pathological anatomy workshop

2.00 credits	30.0 h	Q2

Teacher(s)	Guiot Yves ;Pierreux Christophe (coordinator) ;Van Bockstal Mieke ;
Language :	French
Place of the course	Bruxelles Woluwe
Prerequisites	*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
Learning outcomes	**At the end of this learning unit, the student is able to :** 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.
Evaluation methods	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	Learning outcomes
Bachelor in Biomedicine	SBIM1BA	2	WFARM1213S AND WSBIM1203	🔍