

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	<i>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.</i>
Main themes	Theory about morphological methods used to investigate biological methods and practical training to address an exemplative problem in one week
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <ul style="list-style-type: none"> · 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	<ul style="list-style-type: none"> · 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	<p>Students will be supervised by PhD students during the training.</p> <p>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).</p>
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	