

2.0 credits	30.0 h	2q
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Teacher(s) :	Many Marie-Christine ; Marbaix Etienne (coordinator) ; Guiot Yves ;
Language :	Français
Place of the course	Bruxelles Woluwe
Prerequisites :	Histology of the investigated tissues needs to be known.
Main themes :	Theory about morphological methods used to investigate biological methods and practical training to address an exemplative problem in one week
Aims :	<ul style="list-style-type: none"> <li>· To gain theoretical and practical knowledge of histological and immunohistological techniques, and theoretical notions of in situ hybridization.</li> <li>· To solve a biological problem by using morphological methods.</li> </ul> <i>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".</i>
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"> <li>· Theory :                      Histological techniques : frozen sections, paraffin sections, synthetic resin embedding                      Immunohistochemical techniques                      In situ hybridization</li> <li>· 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&amp; mp;E and PAS staining                      Immunohistochemistry on paraffin sections                      Supervised microscopic analysis (video screening)</li> </ul>
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).
Cycle and year of study :	> <a href="#">Bachelor in Biomedicine</a>
Faculty or entity in charge:	SBIM