

3.00 credits

30.0 h

Q1

Teacher(s)	Bertrand Luc (coordinator) ;Dumoutier Laure ;Laloux Géraldine ;Limaye Nisha ;
Language :	French > English-friendly
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>
Learning outcomes	
Evaluation methods	Written exam including questions on each of the 4 topics. Language : French with specific part in English
Content	Four main topics will be proposed to masters students in biomedical sciences (SBIM Master) : 1) Molecular biology of prokaryotes (plasmid, cloning, bacterial expression of proteins, site-directed mutagenesis); 2) Molecular biology of eukaryotes I (DNA Structure, analysis of variants, sequencing, quantitative PCR, RNAseq); 3) Molecular biology of eukaryotes II (cloning, vectors and protein expression, transfection and viral infection, $\mu$ RNA, RNA interference, transgenesis); 4) Gene and cellular therapies (CRISPR/cas9, IPS cells, engineered tissues)
Other infos	PDF versions of slides presented in the course, which cover the subject in a comprehensive way, will be made available on MoodleUCL. There is no formal syllabus.
Faculty or entity in charge	SBIM

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Biomedicine	SBIM1BA	3	WFARM1221S AND WSBIM1226 AND WSBIM1227 AND WMDS1230 AND WFARM1282	