


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, μ 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

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Minor in Biomedicine (openness)	MINSBIM	3		
Bachelor in Biomedicine	SBIM1BA	3	WFARM1221S AND WSBIM1226 AND WSBIM1227 AND WFARM1282	