




2 credits

20.0 h

Q1

Teacher(s)	Bertrand Luc coordinator ;Bommer Guido ;Collet Jean-François ;Demoulin Jean Baptiste ;Rider Mark ;
Language :	French
Place of the course	Bruxelles Woluwe
Main themes	This course helps to deepen the knowledge on post-translational modifications of proteins. It is the perfect continuation of wsbim2115.
Aims	<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	Written exam on all parts of the course
Teaching methods	The different parts of the course will be given by specialists of the domains using powerpoint slides. The slides will be available for the students.
Content	<p>General introduction on the importance of post-translational modifications of proteins in their regulation and function (1h L.Bertrand)</p> <ul style="list-style-type: none"> - Mechanisms of disulfide bond formation in prokaryotes and eukaryotes (3h J.-F. Collet) - Protein phosphorylations (4h M. Rider) - The new world of other post-translational modifications (Acetylation, O-GlcNacylation) (4h L. Bertrand) - Mechanisms of targeted proteolysis, protein ubiquitination and related post-translational modifications (J.B. Demoulin) - Protein and metabolite repair mechanisms. (G. Bommer)
Bibliography	• Dias disponibles sur Moodle
Faculty or entity in charge	SBIM

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [240] in Medecine	MED2M	2		
Master [180] in Medecine	MD2M	2		
Master [60] in Biomedicine	SBIM2M1	2		
Master [120] in Biomedicine	SBIM2M	2		