UCL Université catholique de Louvain

WSBIM2215

2015-2016

Régulations post-traductionnelles des protéines

2.0 credits	20.0 h	1q

Teacher(s) :	Bertrand Luc (coordinator) ; Rider Mark ; Demoulin Jean Baptiste ; Van Schaftingen Emile ; Collet Jean-François ;
Language :	Français
Place of the course	Bruxelles Woluwe
Prerequisites :	Sbim2115 is a prerequisite
Main themes :	This course helps to deepen the knowledge on post-translational modifications of proteins. It is the perfect continuation of wsbim2115.
Aims :	*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".*
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 :	General introduction on the importance of post-translational modifications of proteins in their regulation and function (1h L.Bertrand) - 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 repair mechanisms. (E. Van Schaftingen)
Faculty or entity in charge:	SBIM

Programmes / formations proposant cette unité d'enseignement (UE)

Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Master [120] in Biomedicine	SBIM2M	2	-	
Master [60] in Biomedicine	SBIM2M1	2	-	
Master [240] in Medecine	MED2M	3	-	
Master [180] in Medecine	MD2M	2	-	