UCLouvain

wsbim2215

2020

Due to the COVID-19 crisis, the information below is subject to change, in particular that concerning the teaching mode (presential, distance or in a comodal or hybrid format).

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	*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	**Due to the COVID-19 crisis, the information in this section is particularly likely to change.** Written exam on all parts of the course
Teaching methods	**Due to the COVID-19 crisis, the information in this section is particularly likely to change.** The different parts of the course will be given by lecturers who are specialists in their 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 and metabolite repair mechanisms. (G. Bommer)
Inline resources	There is no formal syllabus ! PDF versions of slides presented in the course, which cover the subject in a comprehensive way, will be made available on MoodleUCL (https://moodleucl.uclouvain.be/). In addition, a tablet will be used to explain certain aspects of the course. The "Tablet" PDF versions of the PowerPoint files will also be made available to students via MoodleUCL.
Faculty or entity in charge	SBIM

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