UCL Université catholique de Louvain

WSBIM2184

2015-2016

Pathophysiologie cellulaire et moléculaire des maladies humaines 1

3.0 credits	30.0 h	1q

Teacher(s) :	Jonas Jean-Christophe (coordinator) ; Feron Olivier ; Kienlen-Campard Pascal ; Pilette Charles ; Beauloye Christophe ;
Language :	Français
Place of the course	Bruxelles Woluwe
Prerequisites :	Basic sciences taught during baccalauréat in Biomedical Sciences : molecular and cellular biology, biochemistry, immunology, physiology, pathology.
Main themes :	This class will address the pathophysiology of frequent human diseases, the drugs that specifically target the processes involved, and current questions on the topic. Particular attention will be paid on the link between the dysfunctions at the molecular, cellular and tissue levels, the development of the diseases, and their consequences on the organism as a whole. Diseases addressed: diabetes; cardiovascular, respiratory and neurodegenerative diseases; cancers.
Aims :	At the end of the class, the student should: (1) know the pathophysiology of diseases specifically addressed during the class, not only from the molecular and cellular point of view, but also in a larger perspective (organs, organism); (2) understand and explain the link between the molecular and cellular dysfunction and disease development; understand and explain the mode of action of drugs targeting these alterations; (3) be able to critically analyze a presentation or scientific paper about the subject ; use her knowledge to address new questions in the field ; (4) be able to propose experimental approaches to study the molecular and cellular pathophysiology of other diseases. *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 examination
Teaching methods :	Class in French, possible in English if required. Slides and other supporting material are provided on MoodleUCL website (in English).
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	3	-	🔍
Master [60] in Biomedicine	SBIM2M1	3	-	🔍