

3.0 credits	30.0 h	2q
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Teacher(s) :	Missal Marcus ; Olivier Etienne ; Hermans Emmanuel (coordinator) ; Missal Marcus (compensates Olivier Etienne) ;
Language :	Français
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>
Main themes :	The neurodegenerative diseases, which are presented, are Alzheimer's disease, Parkinson's disease, and prions diseases.
Aims :	The objectives are to learn the approaches of cellular and molecular biology which allow to develop different experimental models needed to study the mechanisms of neuronal loss, which are found in several neurodegenerative diseases. <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>
Content :	Description of the cerebral lesions found in neurodegenerative diseases and analysis of their biochemical composition. Study of the function and the cellular metabolism of the proteins present in the lesions. Construction of cellular and animal models, which allow understanding of some of the cellular and molecular mechanisms involved in neuronal death.
Other infos :	Assessment: In the first part of the lectures, the tools of molecular biology needed for the construction of cellular and animal models useful to understand neurodegeneration are presented. Each student has then to analyze recent papers related to a particular neurodegenerative disease and to present his work for all the students. Support: The Power Point presentation corresponding to the first part of the lectures.
Faculty or entity in charge:	FASB

Programmes / formations proposant cette unité d'enseignement (UE)				
Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Additionnal module in Biomedical Sciences	WSBIM100P	3	-	
Bachelor in Biomedicine	SBIM1BA	3	WMD1120 and WFARM1009 and WMD1006	
Master [120] in Biomedicine	SBIM2M	3	-	
Minor in Medication Sciences	WFARM100I	3	-	