UCLouvain

wsbim1220

2018

3 credits	30.0 h	Q2

Teacher(s)	Clotman Frédéric (compensates Nozaradan Sylvie) ;Hanseeuw Bernard ;Hermans Emmanuel coordinator ;Missal Marcus ;Nozaradan Sylvie ;
Language :	French
Place of the course	Bruxelles Woluwe
Prerequisites	*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.*
Main themes	The neurodegenerative diseases, which are presented, are Alzheimer's disease, Parkinson's disease, and prions diseases.
Aims	1 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. - - - - *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 with question requiring either very short or more extensive responses
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.
Bibliography	• Il n'y a pas de support de cours obligatoire. Des livres de référence sont cités. Les documents projetés au cours sont tous disponibles sur Moodle.
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 containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Biomedicine	SBIM2M	3		
Minor in Medication Sciences	WFARM100I	3		
Additionnal module in Biomedical Sciences	WSBIM100P	3		