Course description UE M2 MU5BIN07

GLIAL PATHOLOGIES AND NEURODEGENERATIVE DISEASES

Lead	ME CATHERINE LUBETZKI ET MR ETIENNE HIRSCH					
Co-lead						
Description	***Focus***	***Option***	***Level***	***Semestre***	***ECTS***	***Maximum enrolment***
	Neurosciences	Cellular and integrated neuroscience	M2	S3	6	50
Course structure	***Hours Lectures***	***Hours TD***		***Hours Practicals***		***In-class/Distance***
	20h	0		0		100% in-class
Goals	The goal of this course is to provide an understanding of the mechanisms of neurodegenerative diseases such as Alzheimer's, Parkinson's, and Huntington's as well as insight into neuronal cell death, genetics and existing treatments. This course will also focus on the various physiological roles that different glial cells play and the pathologies that are associated with them.					
Themes	Neurodegenerative diseases, neurodegeneration, genetics, treatments, glial cells and associated pathologies.					
Competencies acquired upon completion of the course (concepts, methodology and tools)	- Understand the physiopathology of neurodegenerative disorders - Understand the mechanisms of neuronal cell death - Have an overview of some of the main neurodegenerative diseases - Understand some of the techniques for developing new treatments for neurodegenerative pathologies - Gain information on different types of glial cells and their functioning - Understand the physiopathology involved in diseases related to glial cells (for example multiple sclerosis, peripheral neuropathy, glial tumours) - Understand some of the therapeutic strategies for treating glial cell-related disorders - Learn how to critically analyse neuroscience literature					
Prerequisite	Basics in Neurobiology					
Evaluation/100	***Written***	***Oral***		***CC***		***Other***
	100					
Languages used	***In class,***			***In documents, educational supports***		
	English			English		
Location	Institut du Cerveau et de la moelle épinière, Hôpital de la Salpêtrière					