

Fiche UE MU5BIN21

Physiopathology of sensory diseases and translational research

Responsable	Gregory Gauvain				
Co-responsable	Nacim Bouheraoua				
Descriptif	Parcours type	Option	Niveau	Semestre d'enseignement	ECTS
	Neurosciences	Sciences de la Vision	M2	S3	6
Modalités pédagogiques	Volume horaire Cours	Volume horaire TD	Volume horaire TP		
	35	6			
Objectifs	This course aim at giving an overview of the different pathological context leading to sensory defect. The physiological conditions of the diseases will be explored with an emphasis on how research advances can lead to therapeutic progress.				
Thèmes abordés	Neuropathology of diseases affecting vision: age related macular degeneration, retinitis pigmentosa, dystrophies and other retinal diseases, glaucoma, corneal diseases, usher syndrome, aging. New therapeutic avenues will be considered: cell therapy, gene therapy, implants, medical device. Finally handicap evaluation and rehabilitation techniques will be addressed.				
Compétences acquises à l'issue de l'UE (concepts, méthodologie et outils)	Thanks to the involvement of contributors from academic research, clinical medicine or the industry, participants will gain an understanding in the translational process underlining transition from fundamental research to the development of therapeutic advances.				
Prérequis	Basic knowledge in Neuroscience, This course is part of the Neuroscience program of the Master of integrative Biology. This course is taking place during the second year of the program.				
Modalités d'évaluation/100	Ecrit	Oral	CC	Autre	
	70-100	0-30			
The evaluation should be conducted through a formal written examination. However, according to the number of participant, oral presentation could be organised.					
Langues utilisées	Dans les cours, TD, TP		Dans les documents, supports		
	English		English		
Localisation	Campus Pierre et Marie Curie				