Cancer, Ageing and Rejuvenation Graduate School - CARe

Master's Program

2023 - 2024

Title of the Teaching Unit (UE): Neurodegenerative Processes		
Semester: 9	**Number of ECTS: 3**	**Hourly volume: 3h TD + 1 or 2 full days of conferences (Thursday and Friday, week 48)** **Course in English**
Teaching Team	Directors: Lionel Dahan et Cedrick Florian Team: Lionel Dahan, Cédrick Florian, Jérémie Pariente + guests	
Objective	-To present an overview of the cellular and molecular mechanisms underlying neurodegenerative processes together with an update on prominent treatments and therapeutics in neurodegenerative diseases (Alzheimer, Tau pathology, Parkinson, Huntington, etc..) -To identify the aims and the functioning of scientific meeting and to provide basic skills necessary to organize a scientific meeting, round table, etc…	
Content	This teaching unit will be organised as a scientific meeting, lasting 1 full day (maybe 2), consisting of conferences given by local, national and international speakers presenting their latest research work. The students of each program (NNC, NCI, CARE, ageing and Pharmacology) will be in charge of a task related to organizing or managing the meeting. Three sessions (1h of TD) will be devoted to coaching students in their managing tasks. Here is a preliminary list of speakers and topics (to be updated each year): - Neuronal death mechanisms (Solange Desagher, CNRS, IGMM, Montpellier) - Pathophysiology of AD (L. Verret, CNRS UT3, Toulouse) - Glial and neuronal Tau pathology (Kévin Richetin, CHUV, Lausanne & L. Verret, CNRS UT3, Toulouse) - Pathophysiology of PD, from non-human primate models to exosomes (Erwan Bézard, INSERM, dir Institut Maladies Neurodégénératives, Bordeaux) - Huntington disease and corticogenesis (Sandrine Humbert, CNRS, Grenoble) - Innovative therapies in neurodegenerative diseases: targeted/personalized therapies (Julien Delrieu, Toulouse) - The role of genetics in the diagnosis and treatment of neurodegenerative diseases (Cedric le Gaignec or Olivier Patat and Jérémie Pariente)	
Pre-requisites	Master 1 in Neurosciences, Pharmacology, Bio-Sciences or Molecular Biology	
Keywords	Alzheimer, Parkinson, Huntington, Biomarkers, diagnosis, therapeutics	
Skills		
Block of skills		