Cancer, Ageing and Rejuvenation Graduate School - CARe

Master's Programme

2022 - 2023

Title of the Teaching Unit (UE): Translation Research		
Semester: 8	Number of ECTS: 6	Hourly volume: 60h
Teaching Team	Ausseil Jérôme (PU-PH, Médecine), Degboé Yannick (MCU-PH, Médecine), Guyonnet Sophie (MCU-PH Médecine), Keller Laura (vacataire, Pharmacie), Letisse Fabien (PU, Pharmacie), Levade Thierry/Sabourdy Frédérique (PU-PH/MCU-PH, Médecine), Navarra Marianne (PhD, DRI CHU Toulouse), Pagès Jean-Christophe (PU-PH Médecine), Rouch Laure (MCU-PH Pharmacie) Ségui Bruno, (PU, Pharmacie), Sixou Sophie (PU, Pharmacie), Trudel Stéphanie (MCU-PH, Médecine), Mélanie White-Koning (MCU, Pharmacie), Pancaldi Vera (INSERM).		
Objective	Each student starting a research education has to be aware of the importance of bilingualism in order to succeed in their career. The objective of this program is to give students a background in translational research in an English environment.		
Content	The program will focus on the basics of translational research in terms of scientific publications, technical approaches, and initiation to biostatistics and bioinformatics data analysis. Each lesson will be divided in a lecture session (1h30) followed by an interactive session (1h30) that aims to explain and discuss a publication related to the topics. Topics of translational research will be chosen among oncology, neurological disorders, aging and inflammation.

Pairs of students will also prepare and present oral communications on scientific papers in order to demonstrate their understanding of experimental results and learn how to present orally scientific results.

A practical session will be proposed, in a real laboratory environment that will focus on the vocabulary routinely used in a scientific laboratory. | | |
Pre-requisites	Good knowledge of English (speaking and writing), B2 level or equivalent. Basic knowledge in biology		
Keywords	Translational research, Biomarkers, Omics approaches, Biostatistics, Bioinformatics, Cancer, Neurological diseases, Aging and Inflammatory disorders.		
FTLV	yes		
Skills	-Understand the objectives and constraints of translational research
-Learn how to critically review scientific publications		

Block of Skills	-cell biology techniques -introduction to –omics technologies, biostatistics -introduction to biostatistics and bioinformatics