



Cancer, Ageing and Rejuvenation Graduate School - CARE

Master's Program

2023 - 2024

Title of the Teaching Unit (UE): Cancer and Ageing (optional learning)		
Semester: 10th	Number of ECTS: 3	Hourly volume: 28
Teaching Team	B. Ségui, C. Dray, V. Douin, E. Mouisel	
Objective	Teaching will be in English and consists of learning (i) new molecular and cellular mechanisms in cancer and ageing; (ii) how to write and present orally a review on pathophysiological mechanisms common to cancer and ageing.	
Content	<p>At the very beginning of the teaching unit, the basics of new molecular and cellular mechanisms of cancer and aging as well as the writing and defense of review will be taught. Four major scientific questions on the theme of cancer and aging will be introduced (8-hour course). Examples of themes: Impact of aging on cancer immunotherapy, metabolism in cancer and aging, physiology on skeletal during cancer and aging, targeting senescence in cancer and aging</p> <p>Students will work in small groups on a specific question to write a 10-page review, including the scientific background with appropriated references and scientific questions including perspectives. They will benefit from the help of tutors including doctoral students (12 hours of tutorials).</p>	
Assessment	<ul style="list-style-type: none"> - 1st Session <ul style="list-style-type: none"> • Terminal control (written report): 50 % • Terminal control (oral defense): 50 % - 2nd Session <ul style="list-style-type: none"> • Terminal control (written report): 50 % <p>If the written report of the first session is >10/20, the mark is retained. Terminal control (oral defense): 50 %</p>	
Pre-requisites	Knowledge in basic mechanism of cancer and/or ageing	
Keywords	Molecular understanding of cancer and ageing. New approaches in therapy. Personalized medicine. New methodologies in cancer and ageing research. Innovative strategies.	
Skills	Fluent in English, basic knowledge in cell and molecular biology.	