

Màj 16/04/2020

UE 2.2. Current concepts in Immunity, inflammation, infection

12 ECTS

“Parcours” Fundamental and clinical oncology, towards precision medicine

The purpose of this disciplinary teaching unit is to provide thorough knowledge and the necessary skills for research in the field of oncology.

Block of Skills and Knowledge - BCC2: Know the recent concepts in Biology and Health Science in a specialization area

Skills acquired (direct / indirect):

- Design an experiment in Biology and Health Science in a specific area by defining a problem and formulating objectives (SB2): by producing a review of the international scientific literature related to the research project; by arguing the relevance of models and methods' choice (biological model, analysis techniques, statistical tests);
- Communicate scientific data (SB5): by synthesizing data from both the scientific literature and experimentally self-acquired; by presenting and discussing concepts or results from various supports (oral presentation, poster, written report, etc.); by communicating in a clear and structured manner while adapting the level of expression and specialization to the target audience.

Elective teaching: 9 teaching subunits

Nine teaching subunits of 6 to 12 h are provided. Each subunit takes the form of a seminar on a specific topic, including conferences and mini-symposia. The students are actively associated. They have to choose the equivalent of 10 days from these nine seminars.

- ST1: Cancer stem cells
- ST2: Epigenetics and cancer
- ST3: Tumor immunology and immunotherapy strategies
- ST4: Tumor dormancy and persistence of residual disease
- ST5: Tumor Resistance and Targeted Therapy
- ST6: Tumor Microenvironment, Ionic signaling and metastatic processes
- ST7: Tumor angiogenesis, fundamental and clinical aspects
- ST8: Metabolic flexibility of cancer cells
- ST9: Glycobiology of cancers

Test: continuous assessment

Knowledge is assessed by writing a literature review on one of the topics dealt with during the thematic seminars. This review is then presented orally to a committee of experts and the students are invited to answer questions related to the topic.