

Màj 18/07/2022

UE 2.2. Current concepts in Immunity, inflammation, infection

12 ECTS

“Parcours” Cellular, Integrative and Translational Neurosciences

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

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: 6 teaching subunits

Six teaching subunits of 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 five from these six seminars.

- ST1: Neurodegenerative Diseases: from fundamental mechanisms to clinical applications.
- ST2: Pharmacology to understand and treat neurological and psychiatric diseases.
- ST3: The neurovascular unit in cerebrovascular and neurodegenerative diseases.
- ST4: Cognition in neurological and mental diseases.
- ST5: Cerebral plasticity in neurological and mental diseases.
- ST6: Metabolism & reproduction: from development to ageing of neuronal networks.

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.