

Màj 15/08/2020

UE 2.2. Recent Concepts in Immunity, Inflammation, Infection**12 ECTS****Course « Immunity - Inflammation - Infection »****ST4: From bedside to bench: contextualizing infection research**Contact: eric.kipnis@univ-lille.fr

The objectives of this seminar are to **acquire current knowledge on infections in their medical context** (healthcare issues, clinical and medical microbiology basics, **understand the resulting current scientific questions** in the fields of therapeutics and diagnostics, and **identify relevant related experimental models of infection**.

Duration

1 day

Program

The medical context of a human infection : its epidemiological (frequency, affected population), clinical (serious or frequent forms, evolution), microbiological (samples, culture) and therapeutic (resistance, toxicities) characteristics shape the scientific questions to be answered through medical research as well as the relevance of the models used.

We propose to work (through presentations, article analyses, workshops) on these medical aspects of a selection of major infections and understand the relevance of different experimental models. For these infections, we will focus on issues related to clinical diagnostic difficulties and/or pathogen identification, resistance to treatments, difficulties in evaluating responses to treatment, which are the major issues experimental models need to address.

Skills

At the end of this thematic session, students should be able to place their scientific question in the medical context of infection and assess the medical relevance of experimental models of infection.

Faculty

Eric Kipnis, Philippe Gosset, Rodrigue Dessein, Karine Faure, Francois Trottein