

Faculty of Medicine



SBIM1314 Complementary training in basic immunology

[+15h exercises]

This course is taught in the 1st semester

Teacher(s): Pierre Coulie (coord.), Jean-Christophe Renauld, Benoît Van den Eynde
Language: French
Level: First cycle

Aims

To strengthen the acquisition of human immunology concepts, through exercises, medical or clinical biology examples, and problems.

Main themes

Exercises related to each individual chapter of the main course, and covering multiple aspects of immunology. Some practical information will be provided for important immunological methods that are routinely used in research and in clinical biology such as immunoassays or flow cytometry. For some important concepts, details will be provided on the experimental approach that lead to a discovery. Some emphasis will be placed on how appropriate controls have to be included in these experiments for a proper interpretation of the results.

Content and teaching methods

1. Antibodies and antigen-antibody reactions.
2. Histocompatibility major complex, T lymphocyte receptor and antigenic presentation.
3. Development of lymphocytes.
4. Production of antibodies.
5. Cellular immunity.
6. Anti-infectious immunity.
7. Hypersensibilities.
8. Autoimmunity and tolerance.

Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Lectures by another teacher than that who delivered the main course, in order to provide a slightly different approach and didactic style.

No assessment. The objective is to facilitate the understanding of the main course SBIM1304

Other credits in programs

SBIM13BA	Troisième année de bachelier en sciences biomédicales	Mandatory
SBIM1PM	Année d'études préparatoires au master en sciences biomédicales	Mandatory