

**Faculty of Medicine****SBIM1314 Complementary training in basic immunology**

[+15h exercises]

This course is not taught in 2005-2006

This course is taught in the 1st semester

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