PLANKTOVIE SAS
Innovation for Aquatic Animal Research

APPLIED IMMUNOLOGY (14H)

Program :

1. Introduction
2. Vaccines
   - 2.1. Passive and active immunity
   - 2.2. The principles of vaccination
   - 2.3. Different vaccines approaches
   - 2.4. Vaccines under study
3. Transplantation
   - 3.1. Types of grafts
   - 3.2. Immune compatibility
   - 3.3. Graft rejection mechanism
   - 3.4. Cellular therapy
   - 3.5. Fetal allografting
4. Allergy
   - 4.1. Type I hypersensitivity
   - 4.2. Type II hypersensitivity
   - 4.3. Type III hypersensitivity
   - 4.4. Type IV hypersensitivity
   - 4.5. Type V hypersensitivity
5. Cancer immunotherapy
   - 5.1. Cellular transformation
   - 5.2. Cellular control of cancer
   - 5.3. Immune deficiency at the origin of cancer
   - 5.4. Tumor antigens
   - 5.5. Tumor escape mechanisms to the immune system
   - 5.6. Immune treatments
6. Immunodeficiency
   - 6.1. Deficiency of the innate immune system
   - 6.2. Lymphocytes B deficiency
   - 6.3. Lymphocytes T deficiency
   - 6.4. Diagnosis
   - 6.5. Treatments
   - 6.6. Secondary immunodeficiency
   - 6.7. Acquired immunodeficiency