

# Testi del Syllabus

Resp. Did.	<b>MACOR PAOLO</b>	<b>Matricola: 006744</b>
Docente	<b>MACOR PAOLO, 6 CFU</b>	
Anno offerta:	<b>2018/2019</b>	
Insegnamento:	<b>606SM - IMMUNOTERAPIA</b>	
Corso di studio:	<b>ME02 - BIOTECNOLOGIE MEDICHE</b>	
Anno regolamento:	<b>2017</b>	
CFU:	<b>6</b>	
Settore:	<b>BIO/10</b>	
Tipo Attività:	<b>B - Caratterizzante</b>	
Anno corso:	<b>2</b>	
Periodo:	<b>Primo Semestre</b>	
Sede:	<b>TRIESTE</b>	



## Testi in italiano

<b>Lingua insegnamento</b>	English
<b>Contenuti (Dipl.Sup.)</b>	<ul style="list-style-type: none"><li>- General aspects of the immune system and immune response</li><li>- Antibodies / monoclonal antibodies / recombinant antibodies / human antibodies in diagnosis and for therapeutic purpose</li><li>- Immune system and cancer / Cancer immunotherapy</li><li>- Hypersensitivity and therapeutic neutralization of the immune system</li><li>- Immunodeficiencies and therapies</li><li>- Vaccines</li><li>- transplantation: role of the immune system and therapeutic prevention of its activation</li></ul>
<b>Testi di riferimento</b>	<ul style="list-style-type: none"><li>- SLIDES / Journal articles</li><li>- Cellular and Molecular Immunology, Abbas, Elsevier</li></ul>
<b>Obiettivi formativi</b>	knowledge and understanding of the characteristics of the immune system and of most recent development in the immune-therapeutic approaches, in order be part of a discussion in the topics proposed in the course and to applied them in a research context.
<b>Prerequisiti</b>	-
<b>Metodi didattici</b>	Frontal lessons and seminars
<b>Altre informazioni</b>	-

**Modalità di verifica dell'apprendimento**

Final written exam

**Programma esteso**

- General aspects of the immune system and immune response both in physiological and pathological conditions.
- Development and characterization of polyclonal antibodies / monoclonal antibodies / recombinant antibodies / human antibodies and their use in diagnosis and for therapeutic purpose
- Role of the immune system in cancer development. Cancer immunotherapy, including antibody-based immunotherapy, vaccines, cellular immunotherapy, CAR-T cells.
- Hypersensitivity as description of pathological immune response and neutralization of the immune system as approach for the prevention or the therapy of diseases.
- Immunodeficiencies and therapies to restore immune system activity
- Vaccines as preventive approach against infection
- Blood transfusion, bone marrow transplantation and solid organ transplantation: role of the immune system and therapeutic prevention of its activation

**Testi in inglese**

English

- General aspects of the immune system and immune response
- Antibodies / monoclonal antibodies / recombinant antibodies / human antibodies in diagnosis and for therapeutic purpose
- Immune system and cancer / Cancer immunotherapy
- Hypersensitivity and therapeutic neutralization of the immune system
- Immunodeficiencies and therapies
- Vaccines
- transplantation: role of the immune system and therapeutic prevention of its activation

- SLIDES / Journal articles
- Cellular and Molecular Immunology, Abbas, Elsevier

knowledge and understanding of the characteristics of the immune system and of most recent development in the immune-therapeutic approaches, in order be part of a discussion in the topics proposed in the course and to applied them in a research context.

-

Frontal lessons and seminars

-

Final written exam

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- Development and characterization of polyclonal antibodies / monoclonal antibodies / recombinant antibodies / human antibodies and their use in

diagnosis and for therapeutic purpose

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