
Testi del Syllabus

Resp. Did.	MACOR PAOLO	Matricola: 006744
Docente	MACOR PAOLO, 6 CFU	
Anno offerta:	2021/2022	
Insegnamento:	984SV - IMMUNOLOGIA MOLECOLARE E IMMUNOTERAPIA	
Corso di studio:	SM53 - GENOMICA FUNZIONALE	
Anno regolamento:	2020	
CFU:	6	
Settore:	MED/04	
Tipo Attività:	B - Caratterizzante	
Anno corso:	2	
Periodo:	Primo Semestre	
Sede:	TRIESTE	

Testi in italiano

Lingua insegnamento	INGLESE
Contenuti (Dipl.Sup.)	<ul style="list-style-type: none">- 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
Testi di riferimento	<ul style="list-style-type: none">- SLIDES / Journal articles- Cellular and Molecular Immunology, Abbas, Elsevier
Obiettivi formativi	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
Prerequisiti	-
Metodi didattici	Frontal lessons, seminars and discussion of scientific articles with active work of the students.

Altre informazioni	-
Modalità di verifica dell'apprendimento	Final written exam. Any changes in these modalities, required for the application of specific protocols linked to COVID19 emergency, will be communicated using the webpages of the Department of Life Sciences and of the course.
Programma esteso	<ul style="list-style-type: none"> - 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
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