

Immuno-Tunisia

Introduction

2021

Course aims and objectives:

- To delineate the cellular and molecular mechanisms of immune responses to infections.
- To discuss the strategies developed by pathogens to evade immune responses.
- To learn from the models of Inborn errors of immunity the critical pathways involved in genetic susceptibility to infections.
- To get acquainted with the contribution of the infectious agents to emergence of cancers and autoimmune diseases
- To address development of new vaccines and innovative therapeutic strategies in light of the interactions between the immune system and microorganisms.

Faculty	Topic	Learning Link
Dieter Kabelitz	Non-self signals recognition by innate immunity: Host microbe interactions at barrier sites	<u>Basics of anti-infectious immunity</u>
Clive Gray	Anti-infectious effector immune responses	<u>Basics of anti-infectious immunity</u>
Amel Benamar-Elgaaïed	Pathogens' mechanisms to escape immune responses	<u>Basics of anti-infectious immunity</u>

Faculty	Topic	Learning Link
Nadine Cerf-Bensussan	Host microbiota interactions across the gut immune system	<u>Basics of anti-infectious immunity</u>
Steven Holland	Inborn errors of immunity phenocopies	<u>Inborn errors of immunity and infections</u>
Brahim Belaid	Inborn errors of IFN-γ Immunity and mycobacterial infections	<u>Inborn errors of immunity and infections</u>
Yu Lung Lau	Inborn errors of immunity underlying fungal diseases	<u>Inborn errors of immunity and infections</u>
Mohamed-Ridha Barbouche	Exploring frontiers between infections and allergy	<u>Inborn errors of immunity and infections</u>
Maryam Sellami	Mechanisms of tolerance disruption and autoimmune diseases	<u>Infection and auto-immunity</u>
Melika Ben Ahmed	Mechanisms of autoimmunity induction by infectious agents	<u>Infection and auto-immunity</u>
Martin Kriegel	Microbiota and autoimmune diseases	<u>Infection and auto-immunity</u>
Gloria Vasquez	Biotherapies and susceptibility to infections during autoimmune diseases	<u>Infection and auto-immunity</u>
Abdallah Badou	Introduction to cancer, immunity and oncogenic infectious agents	<u>Pathogen-induced immune dysregulation and cancer</u>

Faculty	Topic	Learning Link
Pierre Busson	Head and neck cancer and EBV infection	<u>Pathogen-induced immune dysregulation and cancer</u>
Hanne Østergaard	Viral infection and cancer	<u>Pathogen-induced immune dysregulation and cancer</u>
Shubhada Chiplunkar	Vaccination and prevention of cancers	<u>Pathogen-induced immune dysregulation and cancer</u>
Koussay Dellagi	Emerging and Re-Emerging Infectious Diseases and associated challenges	<u>Understanding of host-pathogen interaction and applications (SARS-CoV-2)</u>
Myriam Merad	Immunology and immunopathology of COVID-19	<u>Understanding of host-pathogen interaction and applications (SARS-CoV-2)</u>
Fatma Guerfali	Computing approaches and Sars-CoV-2 variants	<u>Understanding of host-pathogen interaction and applications (SARS-CoV-2)</u>
Alain Fisher	New vaccine approaches in COVID-19	<u>Understanding of host-pathogen interaction and applications (SARS-CoV-2)</u>