

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	Basics of anti-infectious immunity
Clive Gray	Anti-infectious effector immune responses	Basics of anti-infectious immunity
Amel Benammar-Elgaaïed	Pathogens' mechanisms to escape immune responses	Basics of anti-infectious immunity

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

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