

Introduction to the Immunology Course

Photo from the course: [IUIS-FAIS Immuno-Tunisia Photo](#)

- The Immuno-Tunisia immunology course is the third in a series of IUIS funded regional workshops.
- The pre-course material is to be found in 8 sections and is a learning tool to refresh your knowledge and prepare you to participate optimally in the course itself.
- Please study the material, which has been specifically prepared for this course.
- Below is a table of the lecturers, the lecture topics and links to the section on Immunopaedia which corresponds to the lecture topic.

Table 1: Lecturer, Title and Section to be found in the IMMUNOTUNISIA pre-course material

Lecturer	Title of lecture	Section	Pre-course topic in Immunopaedia
Yousr Gorgi	Fundamental basis of the immune response	1	Overview of the Immune System
Abdallah Badou	T Lymphocyte subsets and their function	1	Overview of the Immune System
Abdel Wakkach	Cytokines and Immunoregulation	2	Role of cytokines in Immunity

Lecturer	Title of lecture	Section	Pre-course topic in Immunopaedia
Hatem Masmoudi	Mechanisms of Immune Tolerance	3	Tolerance and autoimmunity
Joseph Bellanti	Molecular and epigenetic mechanisms regulating the immune response and their clinical applications in auto-immunity	4	Genetics, Epigenetics and immunoregulation
	Mechanisms of tolerance breakage and autoimmunity development	3	Tolerance and autoimmunity
Ridha Barbouche	Genetic defects and breakdown of tolerance	4	Genetics, Epigenetics and immunoregulation
Kamel Djenouhat	Complement and autoimmunity	1	Overview of the Immune System
Clive Gray	Infections and auto-immunity	1 & 3	Overview of the Immune System Tolerance and autoimmunity
Jorge Kalil	How an infectious agent can break tolerance to self and induce auto-immunity in humans	1 & 3	Overview of the Immune System Tolerance and autoimmunity

Lecturer	Title of lecture	Section	Pre-course topic in Immunopaedia
Boubacar Maiga	Vaccination and autoimmunity	3	Tolerance and autoimmunity
Alberto Mantovani	Negative pathways of regulation of innate immunity	1 & 6	Overview of the Immune System Inflammation and autoinflammation
Joaquin Madrenas	The Microbiome is an immune regulatory organ	5	Microbes and immunoregulation
Seppo Meri	The role of complement in immune tolerance	1	Overview of the Immune System
Christian Boitard	Type I diabetes (physiopathology, experimental models and immunologic diagnosis)	7	T cell mediated autoimmune diseases
Michelle Letarte	Role of the vascular endothelium in immunoregulation	6	Inflammation and autoinflammation
Imen Sfar	Classification of autoimmune disorders and mechanisms of tissue injury	3 & 6	Tolerance and autoimmunity Inflammation and autoinflammation
Melika Ben Ahmed	Systemic lupus erythematosus	8	Antibody-mediated autoimmune diseases

Lecturer	Title of lecture	Section	Pre-course topic in Immunopaedia
Lilia Laadhar	Rheumatoid Arthritis	7	T cell mediated autoimmune diseases
Nadine Cerf-Bensussan	Autoinflammation and autoimmunity	6	Inflammation and autoinflammation
	Coeliac disease and IBD: physiopathology and experimental models	7	T cell mediated autoimmune diseases
Mariem Kallel	Autoimmune Bullous Dermatoses	8	Antibody-mediated autoimmune diseases
Roland Liblau	Multiple Sclerosis	7	T cell mediated autoimmune diseases
Marie-Christophe Boissier	Cytokines and anti-cytokines in the treatment of autoimmune diseases	2	Role of cytokines in Immunity
Roland Liblau	Novel Immunotherapies applied to multiple sclerosis	7	T cell mediated autoimmune diseases

The material in each section has been edited and compiled by IMMUNOPAEDIA (based at the University of Cape Town) and generously contributed by Professor Joseph A. Bellanti from his textbook, "IMMUNOLOGY IV: CLINICAL APPLICATIONS IN HEALTH AND DISEASE" under an agreement between I Care Press Inc,

Immunopaedia (University of Cape Town) and the IUIS. The resource materials available for download have been supplied by each lecturer participating in the course.

For those interested in purchasing the printed version of "Bellanti JA (Ed). Immunology IV: Clinical Applications in Health and Disease. I Care Press, Bethesda, MD, 2012", go to: www.immunologycenter.org or www.amazon.com.