

# 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       | <a href="#">Overview of the Immune System</a> |
| Abdallah Badou | T Lymphocyte subsets and their function  | 1       | <a href="#">Overview of the Immune System</a> |
| Abdel Wakkach  | Cytokines and Immunoregulation           | 2       | <a href="#">Role of cytokines in Immunity</a> |

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

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

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

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](http://www.immunologycenter.org) or [www.amazon.com](http://www.amazon.com).