



# 16-18 June 2023

## 4<sup>th</sup> IMMUNOLOGY WORKSHOP FOR CLINICIANS

AQUILA ATLANTIS HOTEL  
HERAKLION - CRETE

### Scientific Organizers

Clinic of Rheumatology and Clinical Immunology,  
University Hospital of Heraklion Crete

Laboratory of Immunological Regulation  
and Tolerance, University of Crete Medical School

Laboratory of Rheumatology, Immunity  
and Inflammation, University of Crete Medical School

The Immunology Workshop has been accredited with credits  
for Continuing Medical Education (CME-CPD credits)  
by the Panhellenic Medical Association



## OVERVIEW - AIM

Immune mediated human diseases have been in the centre of biomedical research for the last decades. Knowledge of the basic science has been translated in successful novel therapies and diagnostic tools. Rheumatologists, oncologists, neurologists, gastroenterologists and dermatologists have been among the medical practitioners who for the last 25 years have capitalized basic science advances and changed clinical practice. Knowledge of the mechanisms of immune system operation in health and disease is crucial to understand the mechanisms of action, possible toxicities and limitations of novel therapies. Thus, basic immunology concepts as well as pathomechanisms of human disease should be in the centre of our education and training.

This meeting aims to: 1. Address the above educational needs by an intensive course of basic immunology, as well as immune mechanisms contributing to human diseases. It is oriented to refresh “old” knowledge and introduce to clinicians the novel knowledge in the field of immunology. 2. Serve as a forum where basic scientist and physicians actively interact.

Lectures will be given by immunologists with research experience in the field of immune mediated human diseases and by clinicians with a special interest and experience in the field.

### TARGET AUDIENCE

Rheumatologists, oncologists, neurologists, gastroenterologists and dermatologists.

Students of pre- and post-graduate studies in the field of biomedical sciences.

Approximately 150-180 participants

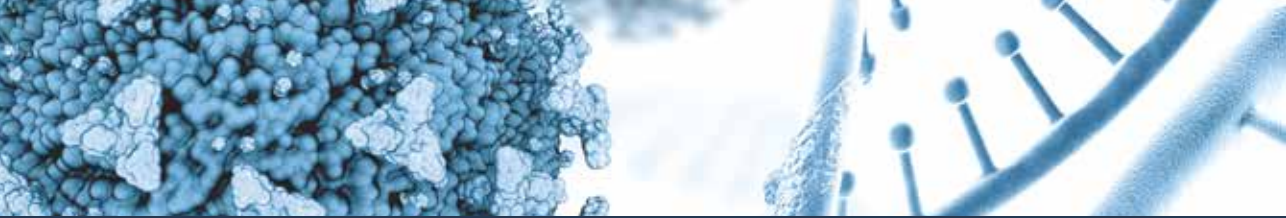
### ORGANIZERS

- Rheumatology and Clinical Immunology, University of Crete Medical School, (UoC)
- Laboratory of Immune Regulation & Tolerance, University of Crete Medical School (UoC)
- Laboratory of Rheumatology, Autoimmunity and Inflammation, University of Crete Medical School (UoC)

### PRESIDENTS OF THE ORGANIZING COMMITTEE

Prodromos Sidiropoulos (UoC)

Panos Verginis (UoC)



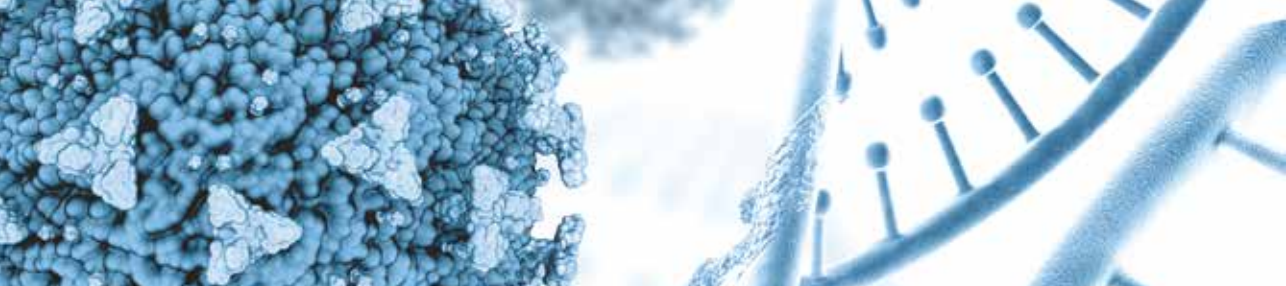
# SCIENTIFIC PROGRAMME

FRIDAY, 16 JUNE 2023

## SCIENTIFIC ORGANIZERS

Clinic of Rheumatology-Clinical Immunology  
University of Crete Medical School  
Laboratory of Immune Regulation & Tolerance,  
University of Crete Medical School  
Laboratory of Rheumatology, Autoimmunity & Inflammation  
University of Crete Medical School

- 09:00 - 11:00**      **Overview of the Immune Response**  
*Chair: P. Verginis*
- **Innate immunity** (*M. Semitekolou*)
  - **Antigen presentation** (*T. Alissafi*)
  - **Adaptive immunity** (*A. Hatzioannou*)
  - **B cell responses** (*E. Sevdali*)
  - **Overview of the immune response** (*P. Verginis*)
- 11:00 - 11:30**      **Break**
- 11:30 - 13:00**      **New Concepts in Immunology**  
*Chair: T. Alissafi*
- **Emergency hematopoiesis** (*I. Mitroulis*)
  - **Fibroblasts in health and disease** (*V. Koliarakis*)
  - **Mass cytometry in translational research** (*N. Paschalidis*)
- 13:00 - 14:30**      **Light Lunch**
- 14:30 - 17:00**      *Chair: P. Verginis*  
**Research in Immune Mediated Diseases**  
**(Poster Session with extended discussions)**
- 17:00 - 17:30**      **Break**
- 17:30 - 19:00**      **Current Immunological trends in clinical topics**  
*Chair: I. Mitroulis*
- **Cells and pathways producing interferon in health and disease** (*A. Banos*)
  - **Thrombosis and fibrosis in inflammation** (*P. Skendros*)
  - **Immunosuppressive therapies and host susceptibility to infections** (*G. Chamilos*)
- 19:00 - 20:00**      **Keynote Lecture**  
*Chairs: D.T. Boumpas, P. Sidiropoulos*  
**"Inflammation across Tissues: Unlocking the cellular basis of Immune Mediated Inflammatory Diseases"** (*C. Buckley*)



## SATURDAY, 17 JUNE 2023

09:00 - 11:00

### **Autoimmune Diseases Pathogenesis: What's new?**

**Chairs:** A. Repa - A. Raptopoulou

- **Nephritis in Systemic Lupus Erythematosus** (*H. Frangou*)
- **Rheumatoid Arthritis: novel pathological-clinical correlations** (*P. Sidiropoulos*)
- **Cytokine networks in the pathogenesis of spondylarthritides** (*G. Fragkoulis*)
- **Inflammatory bowel diseases: cellular players in-between innate-adaptive immunity** (*I. Drygiannakis*)

11:00 - 11:30

### **Break**

11:30 - 13:00

### **Current concepts in immune-related CNS diseases**

**Chair:** G. Bertsias

- **Demyelination** (*I. Zaganas*)
- **Degenerative CNS diseases** (*K. Tsamis*)
- **Neuroimaging current status and perspectives** (*E. Papadaki*)

13:00 - 14:00

### **Light Lunch**

14:00 - 15:00

### **Autoimmune Diseases' Pathogenesis: What's new II?**

**Chair:** M. Semitekolou

- **Early SLE** (*G. Bertsias*)
- **How to measure interferon in lab and the clinic** (*C. Mavragani*)

15:00 - 17:00

### **Interactive sessions: Clinical cases presentation with discussion**

**Chairs:** P. Skendros, I. Mitroulis

17:00 - 17:30

### **Break**

17:30 - 19:00

### **Immune deregulation in diseases**

**Chair:** C. Mavragani

- **CAR T cells: current clinical status** (*M. Ximeri*)
- **Cancer Immunotherapy** (*M. Tsoumakidou*)
- **Dermatology** (*TBA*)

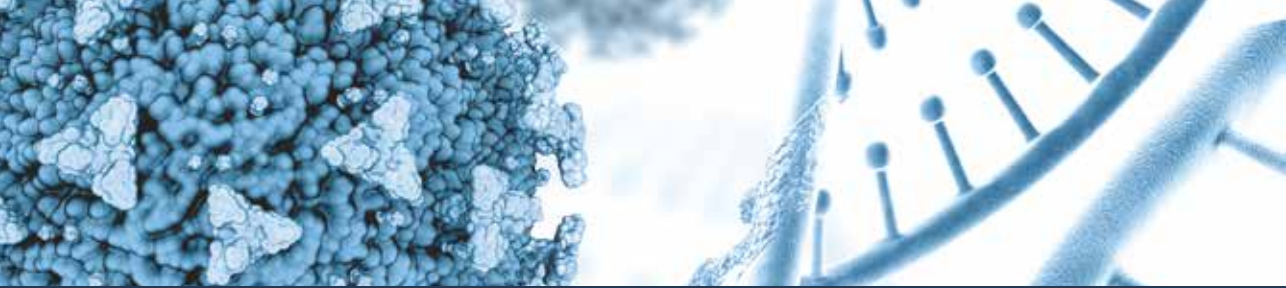
19:00 - 20:30

### **Pharma industry perspectives in immunology**

**Chair:** P. Sidiropoulos

- **Jay Tuttle, Ely Lilly**
- **Greg Friberg, Amgen**
- **Ioannis Dimitriadis, MSD**

### **Dinner**

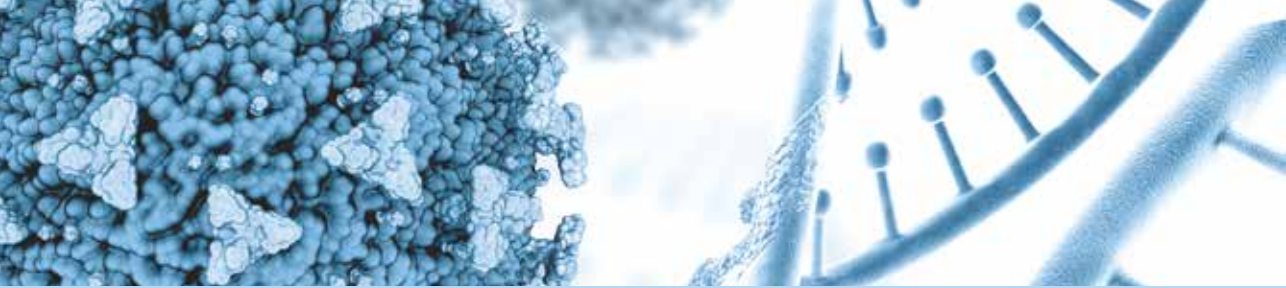


**SUNDAY, 18 JUNE 2023**

- 09:00 - 11:00**      **Workshop 1 Students' Presentations**  
6 selected Presentations (20')
- 11:00 - 11:30**      **Break**
- 11:30 - 14:00**      **Workshop 2 Students' Presentations**  
6 selected Presentations (20')
- 14:00 - 15:00**      **Conclusions - Wrap Up**

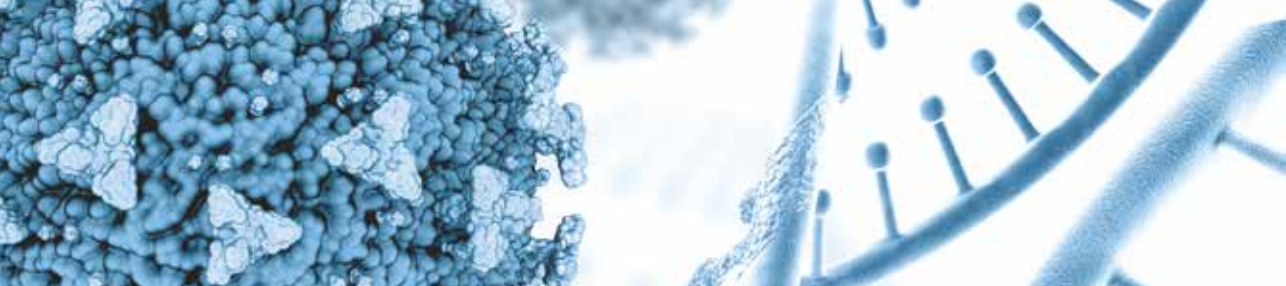






## FACULTY

<b>BUCKLEY C.</b>	Professor of Translational Rheumatology, Director of Clinical Research, Kennedy Institute of Rheumatology, University of Oxford
<b>ALISSAFI T.</b>	Assistant Professor in Biology, Medical School National and Kapodistrian University of Athens and Affiliated Investigator Immune Regulation lab, Biomedical Research Foundation Academy of Athens
<b>BANOS A.</b>	Resident of Rheumatology, General Hospital Asklepieion Voulas Post-Doctoral Fellow, Laboratory of Inflammation and Autoimmunity, BRFAA
<b>BOUMPAS D.</b>	Professor of Internal Medicine-Rheumatology, Medical School National and Kapodistrian University of Athens
<b>BERTSIAS G.</b>	Associate Professor of Rheumatology-Clinical Immunology, University of Crete Medical School
<b>CHAMILOS G.</b>	Professor of Clinical Microbiology and Microbial Pathogenesis University of Crete Medical School
<b>HATZIOANNOU A.</b>	Post-doctoral researcher, Laboratory of Biology, National and Kapodistrian University of Athens Medical School
<b>DRYGIANNAKIS I.</b>	Gastroenterologist, Clinic of Gastroenterology, University Hospital, Heraklion-Crete
<b>FRAGKOULIS G.</b>	Assistant Professor of Rheumatology, Laiko Hospital, Athens, Greece Honorary research fellow Institute of Infection, Immunity & Inflammation, University of Glasgow
<b>FRANGOU E.</b>	Associate Professor, University of Cyprus
<b>KOLIARAKI V.</b>	Research Associate Professor, Biomedical Sciences Research Center "Alexander Fleming"
<b>MAVRAGANI C.</b>	Associate Professor, Department of Physiology, National and Kapodistrian University of Athens Medical School
<b>MITROULIS I.</b>	Associate Professor of Internal Medicine, Democritus University of Thrace
<b>PAPADAKI E.</b>	Associate Professor of Radiology - Neuroradiology, University of Crete, Medical School
<b>RAPTOPOULOU A.</b>	Rheumatologist, Veroia
<b>REPA A.</b>	Rheumatologist, Clinic of Rheumatology-Clinical Immunology, University Hospital, Heraklion-Crete
<b>SEMITEKOLOU M.</b>	Post-doctoral Researcher, Laboratory of Rheumatology, Autoimmunity and Inflammation, University of Crete Medical School



## FACULTY

SEVDALI E.	Postdoctoral researcher, Laboratory of Rheumatology, Autoimmunity and Inflammation, University of Crete Medical School
SIDIROPOULOS P.	Professor of Rheumatology, University of Crete Medical School, Head of Clinic of Rheumatology-Clinical Immunology
SKENDROS P.	MD, PhD, Associate Professor of Internal Medicine, Democritus University of Thrace (DUTH), University Hospital of Alexandroupolis
TSAMIS K.	Assistant Professor of Physiology, University of Ioannina
TSOUMAKIDOU M.	Researcher B', Institute of Bioinnovation BSRC Fleming, Athens, Greece
TZOUVELEKIS A.	Associate Professor of Respiratory, University Hospital of Patras
VERGINIS P.	Associate Professor of Biochemistry-Immunology, University of Crete Medical School
XIMERI M.	Hematologist, University Hospital of Heraklion
ZAGANAS I.	Assistant Professor of Neurology, University of Crete Medical School

