



**Satellite Symposium Organized and sponsored by
Metabolic and Inflammatory Diseases Research Center (METIFLAM),
Uskudar University, Istanbul, June 4, 2024**

Metabolic and Inflammatory disease: Pathophysiology and Therapy

09:00-09:30 **Welcome**

Prof.Dr.Nazife Güngör, Rector, *Uskudar University, Istanbul, Türkiye*

Prof.Dr.Nevzat Tarhan, Founding Rector, *Uskudar University, Istanbul, Türkiye*

PLENARY LECTURE

Chairs: *Nesrin Kartal Ozer (Uskudar University, Istanbul, Türkiye), Nevzat Tarhan (Uskudar University, Istanbul, Türkiye)*

Prof. Christos S. Mantzoros (*Harvard Medical School Boston, MA, USA*)

09:30-10:20 Fatty Liver Disease: advancing the understanding of underlying mechanisms, diagnostic approach and therapeutic strategies

10:20-10:30 **Coffee Break**

LECTURES PART I

Chairs: *Muhsin Konuk (Uskudar University, Istanbul, Türkiye), Kemal Yelekci (Kadir Has University, Istanbul, Türkiye)*

Prof. Antonio Cuadrado (*Autonomous University of Madrid, Madrid, Spain*)

10:30-11:00 Therapeutic targeting the NRF2/beta-TrCP complex in metabolic-associated fatty liver disease (MAFLD)

Prof. Alexander Bartelt (*Ludwig-Maximilians-Universität München, Munich, Germany*)

11:00-11:30 Adipocyte inflammation and cardiometabolic disease

Prof. Adil Mardinoglu (*Royal Institute of Technology, Stockholm, Sweden and King's College London, London, UK*)

11:30-12:00 The use of Systems Biology in Treatment of Metabolic Diseases

12:00-13:00 **Lunch Break**

LECTURES PART II

Chairs: *Haydar Sur (Uskudar University, Istanbul, Türkiye), Ayfer Yalcin (Ege University, Izmir, Türkiye)*

Prof. Yuji Naito (*Kyoto Prefectural University of Medicine, Kyoto, Japan*)

13:00-13:30 D-alanine, a metabolite of gut microbiota, inhibits intestinal inflammation by suppressing the activation of macrophage

Prof. Young-Joon Surh (*Seoul National University, Seoul, South Korea*)

13:30-14:00 Protective Effects of Some COX-2-derived Bioactive Lipid Mediators on Experimentally Induced Colitis and Intestinal Carcinogenesis

Assoc. Prof. Erdi Sozen (*Marmara University, Istanbul, Türkiye*)

14:00-14:30 Long chain metabolites of vitamin E and their potential in inflammation resolution

14:30-15:00 **Coffee Break**

PART III: Young Investigator Presentations

Chairs: *Tugce Demirel Yalciner (Uskudar University, Istanbul, Türkiye), Nilgün Tekkeşin (Uskudar University, Istanbul, Türkiye)*

Seyed Mohammad Miri (*Istanbul Medipol University, Istanbul, Türkiye*)

15:00-15:15 Revisiting the Role of H₂O₂ in Nrf2 Activation Using an Oxygen-independent Biosensor

Bengü Cetinkaya (*Marmara University, Istanbul, Türkiye*)

15:15-15:30 Garcinoic Acid and α -13'-COOH Mediated Modulation of Erastin-induced Ferroptosis through NRF2/HO-1 Signaling in Hepatocytes

Gizem Damla Yalcin (*Middle East Technical University, Ankara, Türkiye*)

15:30-15:45 Characterization of Evolutionary Dynamics for Drug Resistance in a 3D Cell Culture System Using Cellular Barcoding Technology

Anna Migni (*University of Perugia, Perugia, Italy*)

15:45-16:00 Advanced lipidomics strategies to explore hepatic lipotoxicity and its treatment

Berranur Sert (*Uskudar University, Istanbul, Türkiye*)

16:00-16:15 MESSAGE Mission: Understanding the immune system and cancer connection in microgravity

Naz Mina Mert (*Kadir Has University, Istanbul, Türkiye*)

16:15-16:30 *In Silico* Screening of Novel-Potential Inhibitor of Methionine Aminopeptidase 2 for the Treatment of Cancer

16:30 **Closing**



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Metabolic and Inflammatory disease: Pathophysiology and Therapy

Organizers:

Prof. Nesrin Kartal Ozer, Uskudar University, Istanbul, Türkiye

Prof. Nilgün Tekkeşin, Uskudar University, Istanbul, Türkiye

Assoc. Prof. Erdi Sozen, Marmara University, Istanbul, Türkiye

Assist. Prof. Tugce Demirel-Yalciner, Uskudar University, Istanbul, Türkiye

Join our exciting Satellite Symposium, which will be held at Istanbul Uskudar University, with leading speakers in their fields. The event will take place on June 4, 2024 at Uskudar University, Health Campus, Ibni Sina Auditorium and will allow the presentation and discussion of current and emerging approaches in the pathogenesis, diagnosis and treatment of Metabolic and Inflammatory Diseases.

The speaker panel comprises leaders in their field as well as young investigators:

- **Prof. Christos S. Mantzoros**, Harvard Medical School Boston, MA, USA
- **Prof. Antonio Cuadrado**, Autonomous University of Madrid, Madrid, Spain
- **Prof. Alexander Bartelt**, Ludwig-Maximilians-Universität München, Munich, Germany
- **Prof. Adil Mardinoglu**, Royal Institute of Technology, Stockholm, Sweden and King's College London, London, UK
- **Prof. Yuji Naito**, Kyoto Prefectural University of Medicine, Kyoto, Japan
- **Prof. Young-Joon Surh**, Seoul National University, Seoul, South Korea
- **Assoc. Prof. Erdi Sozen**, Marmara University, Istanbul, Türkiye
- Young Investigators

Registration Details:

Date: June 4, 2024

Venue: Istanbul Uskudar University Health Campus, Ibni Sina Auditorium, Umraniye, Istanbul

Transportation: Mövenpick Hotel Istanbul Asia Airport-Uskudar University, Health Campus

Registration: The program is free for registered attendees

Contact: For registration and more information, reach out to

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