



**EAACI Master Class on Exposures in a changing environment –  
working together to prevent airways disease  
05-06 May 2023, Madrid, Spain**

**Day 1: Friday, 05 May 2023**

**08:00 - 09:00 Registration**

**09:00 - 10:15 - Session I - Environmental Exposures and airway disease in the context of climate change – state of the art (plenary) – Chairs: Carmen Galan, Spain and Mohamed Jeebhay, South Africa**

**Learning objective:** To develop an improved understanding of the relationship between environmental exposures and airway disease, as well as the pathophysiological mechanisms that underly the phenotypic manifestations.

09:00 - 09:15 Welcome address and programme outline - Carmen Galán, Spain and Tomas Chivato, Spain (EAACI VP Education & Specialty)

09:15 - 9:45 From exposure to multi-exposome: A new threat to airways disease requiring new solutions – Thanos Damialis, Greece

9.45 - 10:15 Pathophysiological mechanisms and interaction of pollutants with the immune system – Hille Suojalehto, Finland

**10:15 - 10:45 Coffee Break**

**10:45-12:15 - Session II - Case reports and case studies (plenary) - Chairs: Hille Suojalehto, Finland and Celia Antunes, Portugal**

**Learning objective:** To have greater insights and appreciation of the association between environmental exposures (air pollutants and aeroallergens) and airway disease among children and adults in various settings.

**10:45 - 11:30 Case reports from participants with discussion**

10:45 - 11:00 - Case report 1

11:00 - 11:15 - Case report 2

11:15 - 11:30 - Case report 3

**11:30 - 12:15 Case studies from Faculty with discussion**

11:30 - 11:45 Work-related asthma – Marcela Valverde, Spain

11:45 - 12:00 Adult asthma (the case of thunderstorm asthma) – Thanos Damialis, Greece

12:00 - 12:15 Childhood asthma

**12:15 - 13:15 Lunch**

**13:15 - 14:45 - Session III - Epidemiology and risk factors for airways disease in different exposure settings (plenary) - Chairs: Mohamed Jeebhay, South Africa and Marcela Valverde, Spain**

**Learning objective:** To develop an improved understanding of the epidemiology and risk factors for airways disease in different exposure settings (indoor, outdoor and occupational).

13:15 - 13:45 Indoor settings

13:45 - 14:15 Outdoor settings

14:15 - 14:45 Workplaces

***14:45 - 15:15 Coffee Break***

**15:15 - 17:30 - Session IV - Workshops - Measuring adverse respiratory health outcomes (revolving workshops of 30 mins each) Chair/Coordinator: Marcela Valverde, Spain**

**Learning objective:** To develop a deeper understanding of practical methods used in measuring adverse respiratory health outcomes present in airway disease and understanding their clinical relevance.

15:15 - 15:45 Questionnaires, nasal sampling and symptom registries

15:45 - 15:50 - *Rotation Break*

15:50 - 16:20 Lung function tests – Mohamed Jeebhay, South Africa

16:20 - 16:25 - *Rotation Break*

16:25 - 16:55 Immunological tests

16:55 - 17:00 - *Rotation Break*

17:00 - 17:30 Clinical evaluation of the patient – Hille Suojalehto, Finland

***18:00 Welcome Reception***

***19:00 Dinner***



## Day 2: Saturday, 06 May 2023

### **08:20 -10:00 - Session V - Workshops - Exposure assessment approaches in different settings (revolving workshops of 30 mins each) – Chair/Coordinator: Thanos Damialis, Greece**

**Learning objective:** To develop a deeper understanding of practical methods used in exposure assessment techniques for chemical pollutants, particulates and bioaerosols.

08:20 - 08:50 Outdoor-indoor bioaerosol composition and exposures – Celia Antunes, Portugal

08:50 - 08:55 – *Rotation Break*

08:55 - 09:25 Outdoor pollutant exposures

09:25 - 09:30 – *Rotation Break*

09:30 - 10:00 Occupational exposures

### **10:00- 10:30 Coffee Break**

### **10:30 -11:30 - Session VI - EAACI guidelines for outdoor and occupational settings (plenary) - Chairs: Celia Antunes, Portugal and Hille Suojalehto, Finland**

**Learning objective:** To familiarize participants with different EAACI guidelines develop to address airways disease associated with exposure to outdoor and occupational aeroallergens.

10:30 - 11:00 The EAACI Environmental Science Guidelines on pollen as a risk factor for moderate and severe asthma exacerbations

11:00 - 11:30 The EAACI Position Paper on food processing and occupational respiratory allergy – Mohamed Jeebhay, South Africa

### **11:30 - 12:30 - Session VII – Preventive approaches in the context of climate change (plenary) - Chairs: Carmen Galan, Spain and Mohamed Jeebhay, South Africa**

**Learning objective:** To develop an improved understanding of preventive approaches for airways disease in the context of climate change.

11:30 - 12:00 Strategies for prevention – individual patient

12:00 - 12:30 Strategies for prevention – public health

### **12:30 - 13:30 Lunch**

### **13:30 - 14:30 – Session VIII Science vs. Climate Change: and the winner is? (Interactive quiz) – Thanos Damialis, Greece**

14:30 - 14:45 Closing remarks - End of the course - Mohamed Jeebhay, South Africa