



# Allergy School Aerobiology and Pollution

15 - 17 March 2018

Dubrovnik, Croatia

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**EAACI**  
EUROPEAN ACADEMY OF ALLERGY  
AND CLINICAL IMMUNOLOGY

## EAACI Allergy School on Aerobiology and Pollution "The air that you breathe and allergies" 15 - 17 March 2018, Dubrovnik, Croatia

### Scientific Programme

#### Thursday, 25 January 2018

- 11:00 - 12:45      Registration
- 12:45 - 13:00      Welcome address**  
*Jeroen Buters, Germany, Organising Chair*
- 13:00 - 14:30      Session I - Infectious diseases and allergies**  
*Chair: Hermelijn Smits, The Netherlands*
- 13:00 - 13:30      Allergies across the world (epidemiology of allergies)  
*Michael Perkin, United Kingdom*
- 13:30 - 14:00      The effect of viral infections on allergic disease  
*Tuomas Jartti, Finland*
- 14:00 - 14:30      The effect of bacterial infections on allergic disease  
*Wojciech Feleszko, Poland*
- 14:30 - 15:00      Coffee break

**15:00 - 16:30      Session II - Immunology related to allergic diseases**

*Chair: Jeroen Buters, Germany*

15:00 - 15:30      What you need to know of innate immunity for allergic diseases

*Hermelijn Smits, The Netherlands*

15:30 - 16:00      What you need to know of adaptive immunity for allergic diseases

*Caspar Ohnmacht, Germany*

16:00 - 16:30      Diagnosis and treatment of allergic disease

*Stephen Durham, United Kingdom*

16:30 - 17:00      Coffee break

**17:00 - 18:30      Session III - Do we live in a safe environment?**

*Chair: Thibaudon Michel, France*

17:00 - 17:30      School indoor air quality and allergic disease

*Jeroen Buters, Germany*

17:30 - 18:00      Workplace indoor air quality and allergic disease

*Monika Raulf, Germany*

18:00 - 18:30      Home indoor air quality and allergic disease

*Isabella Annesi-Maesano, France*

18:30 - 20:30      Welcome reception and poster discussion session I

*Chairs: Jeroen Buters, Germany and Hermelijn Smits, The Netherlands*

P01 - Atmospheric Pollutants NO<sub>2</sub> And O<sub>3</sub> Contribute To Augmented Allergenic Activity Of Grass Pollen

*Celia M Antunes, Portugal*

P02 - Association Between Air Pollution And Asthma: Modification By Dietary Inflammatory Potential

*Francisca De Castro Mendes, Portugal*

P03 - NEW METHODS IN AIR QUALITY MONITORING: IS TOTAL PROTEIN A USEFUL MARKER OF ALLERGEN LOADS IN AMBIENT AIR?

*Rute Arriegas, Portugal*

P04 - Identification And Characterization Of An Alt A 1 Cross-Reactive Allergen From The Fungus *Ulocladium chartarum*

*Sandra Pfeiffer, Austria*

P05 - Outdoor Pollution Impact On Daily Allergic Airway Symptoms

*Sofia Martins Farinha, Portugal*

P06 - Building An Automatic Pollen Information Network In Bavaria

*Alisa Weber, Germany*

## Friday, 16 March 2018

### 08:30 - 10:00 **Session IV - Genome, methylation and allergic diseases**

*Chair: Tuomas Jartti, Finland*

08:30 - 09:15 Genome, methylation and allergic disease

*Maria Jenmalm, Sweden*

09:15 - 10:00 Cross talk with genes and environment

*Klaus Bonnelykke, Denmark*

10:00 - 10:30 **Coffee break**

### 10:30 - 12:00 **Session V - Introduction to the workshops**

*Chairs: Jakob Stokholm, Denmark, Jose Oteros, Germany, Branko Sikoparija, Serbia*

Room Elafiti 3+4

10:30 - 11:00 Microbiome

*Jakob Stokholm, Denmark*

Room Asimon

11:00 - 11:30 IT Solutions

*Jose Oteros, Germany*

Room Bokar

11:30 - 12:00 Aerobiology

*Branko Sikoparija, Serbia*

12:00 - 14:00 **Lunch and poster discussion session II**

*Chairs: Jeroen Buters, Germany and Tuomas Jartti, Finland*

P07 - LOSS OF AIRBORNE POLLEN INTEGRITY DURING TRANSPORT:  
ATMOSPHERIC CONDITIONS AFFECTING CUPRESSACEAE POLLEN  
*Ana Galveias, Portugal*

P08 - Exposure To Airborne Pollen And Fungal Spores In Alpine Versus Urban  
Environments: Indoors Vs. Outdoors, Circadian Patterns And Relationships With  
Symptoms  
*Franziska Haering, Germany*

P09 - DE NOVO SENSITIZATION TO RAGWEED IN CHILDREN FROM  
DIFFERENT REGIONS OF CROATIA  
*Marija Perica, Croatia*

P10 - A Comparison Of House Dust Mite Allergen In Rural And Urban Areas Of  
Southern Africa, And Associations With Atopic Dermatitis  
*Thulja Trikamjee, South Africa*

P11 - Can Coal And Wood Burning Products Be A Risk Factor Of Respiratory Symptoms? – Preliminary Study Of Household PM2.5 Emissions Influence On Health.

*Andrzej Chcialowski, Poland*

P12 - Taxonomic And Allergenic Assessment Of The Airborne Flora Of Melbourne, Australia

*Lachlan J Tegart, Australia*

P13 - Allergenicity Of Airborne Pollen In Metro Manila, Philippines

*Maureen B. Sabit, Philippines*

**14:00 - 17:00**      **Practical workshops**

Room Asimon      Topic 1: Programming in R  
Chair: *Jose Oteros, Germany*

Room Bokar      Topic 2: Aerobiology  
Chair: *Branko Sikoparija, Serbia*

Room Elafiti 3+4      Topic 3: Microbiome  
Chair: *Jakob Stokholm, Denmark*

17:00 – 17:30      *Coffee break*

**17:30 - 19:00**      **Session VI – Pollution and allergic diseases**

*Chair: Jose Oteros, Germany*

17:30 - 18:00      Pollution and allergic disease  
*Isabella Annesi-Maesano, France*

18:00 - 18:30      Pollen release more than allergens  
*Jeroen Buters, Germany*

18:30 - 19:00      Funghi  
*Michel Thibaudon, France*

20:00 - 22:00      *Dinner and social programme*

## Saturday, 17 March 2018

### **08:30 - 10:00**      **Session VII - Vaccination against allergy and asthma**

*Chair: Tuomas Jartti, Finland*

08:30 - 09:00      Intralymphatic vs conventional immunotherapy

*Varpu Elenius, Finland*

09:00 - 09:30      Pro-/prebiotics

*Erika Isolauri, Finland*

09:30 - 10:00      Immunomodulation beyond pro-/prebiotics

*Hermelijn Smits, The Netherlands*

### **10:00 - 11:00**      **Oral abstract presentation**

*Chair: Jeroen Buters, Germans*

10:00 – 10:15      O01 Exposure To Indoor Endocrine Disrupting Chemicals And Childhood Asthma And Obesity

*Inês Ribeiro Paciência, Portugal*

10:15 – 10:30      O02 Epithelial Permeability To The Olive Pollen Allergen Ole E 1 Strongly Depends On Bronchial Epithelium State And House Dust Mite Protease Activity

*Juan Carlos Lopez-Rodríguez, Spain*

10:30 – 10:45      O03 Pantoea Agglomerans Induces Epithelial-Mesenchymal Transition In Human Lung Epithelial Cells And Mice Lungs

*Marta Kinga Lemieszek, Poland*

10:45 – 11:00      O04 The Pollen-Sensitization-Pollinosis Relations In Japanese Cedar (*Cryptomeria Japonica*) In Jeju, Korea

*Jaechun Lee, South Korea*

11:00 - 11:30      *Coffee break*

### **11:30 - 13:00**      **Session VIII - Future of allergy**

*Chair: Stephen Durham, United Kingdom*

11:30 - 12:00      Scandinavian allergy prevention programme

*Tuomas Jartti, Finland*

12:00 - 12:30      Automation in pollen detection

*Jose Oteros, Germany*

12:30 - 13:00      Pollen and climate change

*Mikhail Sofiev, Finland*

13:00 – 13:15      *Closing and prize giving ceremony*

*Tuomas Jartti, Finland, Organising Secretary and  
Hermelijn Smits, The Netherlands, WG Infections Chair*