



16th EAACI Immunology Winter School “Basic Immunology Research in Allergy and Clinical Immunology”

25 - 28 January 2018
Saas-Fee, Switzerland

Scientific Programme

Thursday, 25 January 2018

- 18:00 - 18:45 Welcome reception
- 18:45 - 19:00 **Introduction to the Winter School**
Jürgen Schwarze, United Kingdom
EAACI Basic & Clinical Immunology Section Chair
- 19:00 - 20:00 **Mechanisms of T Cell Homeostasis**
Adrian Liston, Belgium
Chair: Stefanie Eyerich, Germany
- 20:00 - 22:00 Dinner

Friday, 26 January 2018

- 08:00 - 09:00 **Role of B Cells in Maintaining Tolerance**
Mübeccel Akdis, Switzerland
Chair: Milena Grazyna Sokolowska, Switzerland
- 09:00 - 09:20 Coffee break
- 09:20 - 11:00 **Lymphocytes**
Oral abstract presentations from participants
Chairs: Mübeccel Akdis, Switzerland | Milena Grazyna Sokolowska, Switzerland

- 09:20 - 09:45 O01 The Role Of ILC2s And TH Cells In Allergen-Induced Bone Marrow Eosinophilia
Emma Winberg, Sweden
- 09:45 - 10:10 O02 In Vitro Generated T Follicular Helper-Like Cells Reveal Distinct Signalling Pathways Required For B Helper Cell Function
William Stefan Foster, United Kingdom
- 10:10 - 10:35 O03 Role Of Tim-3/Gal-9 Axis In The Regulation Of T-Cell Homeostasis In Drug Induced Maculopapular Exanthema
Rubén Fernández-Santamaría, Spain
- 10:35 - 11:00 O04 Single Cell Analysis Of The Effect Of Dexamethasone On The Transcriptome Of Ex Vivo Isolated T Helper 2 Cells
Eleanor Madeline Hendy, United Kingdom
- 11:00 - 16:30 Break
- 16:30 - 17:30 Immune-Metabolism Interactions**
Peter Ghazal, United Kingdom
Chair: Henry McSorley, United Kingdom
- 17:30 - 17:50 Coffee break
- 17:50 - 19:30 Innate immunity and epithelial cells**
Oral abstract presentations from participants
Chairs: Henry McSorley, United Kingdom | Peter Ghazal, United Kingdom
- 17:50 - 18:15 O05 Effect Of The Carbohydrate A10 (Ca10) From Ehrlich Tumor Cells During The Differentiation Of Human Monocyte-Derived Dendritic Cells
Leticia Martin de la Cruz, Spain
- 18:15 - 18:40 O06 Identification And Quantification Of Functional Cannabinoid Receptor 1 In Human Blood And Tonsil Immune System Cells
Alba Angelina Querencias, Spain
- 18:40 - 19:05 O07 BAFF-BAFFR Signaling Regulate NLRP3 Inflammasome Activation In LPS Stimulated Monocytes
Andrzej Eljaszewicz, Poland
- 19:05 - 19:30 O08 Inhibition Of IgE Production By CpG-ODN Requires MyD88 Expression On Dendritic Cells
Ricardo Wesley Alberca-Custódio, Brazil
- 19:30 - 21:00 Dinner
- 21:00 - 22:00 Poster Session I**
- Topic 1. Basic Immunology: Poster P02 - P09
Chairs: Madeleine Radinger, Sweden | Cezmi Akdis, Switzerland
 - Topic 2. Immune Mechanisms: Poster P10 - P17
Chairs: Oscar Palomares, Spain | Yvonne J. Huang, The United States
 - Topic 3. Allergic Immune Response: Poster P18 - P26
Chairs: Hermelijn Smits, The Netherlands | Peter Ghazal, United Kingdom

Saturday, 27 January 2018

- 08:00 - 09:00 **Immune Response to Allergen-Specific Immunotherapy**
Stephen Till, United Kingdom
Chair: Eva Untersmayr, Austria

- 09:00 - 09:20 Coffee break

- 09:20 - 11:00** **Food allergy: allergens and treatment**
Oral abstract presentations from participants
Chairs: Eva Untersmayr, Austria | Stephen Till, United Kingdom
- 09:20 - 09:45 O09 Sublingual Immunotherapy with Recombinant Mal D 1 Induces Ige-Blocking Antibodies
Gabriela Sánchez Acosta, Austria
- 09:45 - 10:10 O10 Contribution Of Conformational And Linear IgE Epitopes To Ara H 2-Specific IgE-Binding - In Vivo And In Vitro Studies
Angelika Tscheppe, Austria
- 10:10 - 10:35 O11 Investigation Of Immunological And Clinical Reactivities Of Parvalbumins, The Major Fish Allergens
Tanja Kalic, Austria
- 10:35 - 11:00 O12 Genetic Biomarkers In Pollen-Mediated Food Reactions Useful For The Characterization Of Severe Allergic Profile
Leticia Mera, Spain
- 11:00 - 16:30 Break
- 16:30 - 17:30 **Microbiome-Host Interactions in the Lung**
Yvonne Huang, The United States
Chair: Liam O'Mahony, Switzerland
- 17:30 - 17:50 Coffee break
- 17:50 - 19:30** **Microbiome**
Oral abstract presentations from participants
Chairs: Yvonne J. Huang, The United States | Liam O'Mahony, Switzerland
- 17:50 - 18:15 O13 Protective Bacterial-Derived Signals Modify The Respiratory Response To Viral Infection
David Shane Groeger, Switzerland
- 18:15 - 18:40 O14 Oral Exposure To Beta-Lactoglobulin-Derived Peptides And A Specific Mixture Of Fructo-Oligosaccharides And Bifidobacterium Breve M-16V Facilitates A Tolerance-Prone Immune Environment And Whey Allergy Prevention In Mice
Atanaska I Kostadinova, The Netherlands
- 18:40 - 19:05 O15 Diet-Induced Obesity Potentiates IgE-Mediated Food Allergic Responses
Maryam Hussain, Switzerland
- 19:05 - 19:30 O16 Exposure To Soil In The Living Environment Modifies Gut Microbiota And Enforces Immune Tolerance In A Mouse Model
Noora Ottman, Sweden
- 19:30 - 21:00 Dinner
- 21:00 - 22:00** **Poster Session II**
- Topic 4. Allergens and allergic inflammation: Poster P27 - P34
Chairs: Jan Gutermuth, Belgium | Stephen Till, United Kingdom
 - Topic 5. Adaptive immunity: Poster P35 - P42
Chairs: Mübeccel Akdis, Switzerland | Florentina Sava, United Kingdom
 - Topic 6. Translational immunology: Poster P43 - P51
Chairs: Stefanie Eyerich, Germany | Isabella Quinti, Italy

Sunday, 28 January 2018

- 08:00 - 09:00 **Epithelial Cells in Immunity/Inflammation of Asthma and COPD**
Irene Heijink, The Netherlands

Chair: Jürgen Schwarze, United Kingdom

09:00 - 09:20

Coffee break

09:20 - 11:00

Asthma

Oral abstract presentations from participants

Chairs: Jürgen Schwarze, United Kingdom | Irene Heijink, The Netherlands

09:20 - 09:45

O17 Plasmacytoid Dendritic Cells Drive Acute Exacerbations Of Asthma
Aikaterini Dimitra Chairakaki, Switzerland

09:45 - 10:10

O18 Airway Epithelial Barrier, Mucins And Inflammasome In Distinct Eosinophilic, Neutrophilic And Mixed Inflammatory Phenotypes Of Asthma
Hern-Tze Tina Tan, Malaysia

10:10 - 10:35

O19 T2 And T17 Induced Bronchial Epithelial Gene Signatures Are Reflected In Released Exosomes
Elisabeth Ax, Sweden

10:35 - 11:00

O20 Exhaled Breath Condensate MicroRNAs As Potential Biomarkers To Identify And Endotype Asthma In School-Aged Children
Francisca Castro Mendes, Portugal

11:00 - 11:30

Closing and prize giving ceremony

Eva Untersmayr, Austria

EAACI Basic & Clinical Immunology Section Secretary