

# EAACI Summer Symposium

on Epithelial Cell Biology  
25 - 26 July 2024

Medicine Campus  
Davos | Switzerland

## Organizers

Cezmi A. Akdis Ioana Agache

Registration and abstract submission from  
[https://www.siaf.uzh.ch/Epithelial\\_Symposium\\_2024.html](https://www.siaf.uzh.ch/Epithelial_Symposium_2024.html)

# 1. Day - Thursday, 25 July 2024

<b>Session 1</b>	<b>Airway epithelial barrier</b> <i>Chairs: Cezmi A. Akdis, Ioana Agache</i>
08:30 - 09:00	<b>Marek Jutel</b> Effect of biologicals and current treatments on epithelial cells
09:00 - 09:30	<b>Nora Barrett</b> The mechanism of airway epithelial remodeling
09:30 - 10:00	<b>Arnoud Bourdin</b> Airway epithelial type-2 alarmin profiles
10:00 - 10:30	<i>Coffee break</i>
<b>Session 2</b>	<b>Metabolism at the airway epithelial barriers</b> <i>Chairs: Mübeccel Akdis, Christoph Messner</i>
10:30 - 11:00	<b>Andreas Wack</b> Repair of airway epithelia requires metabolic rewiring towards fatty acid oxidation
11:00 - 11:30	<b>Marek Sanak</b> Lipid phenotyping of lung epithelial lining fluid
11:30 - 12:00	<b>Milena Sokolowska</b> Viral infections and metabolic regulation of lung epithelial barrier
12:00 - 14:30	<b>Lunch break - Lake walk with the experts</b> (Groups of 10 will walk together and brainstorm after taking their lunch boxes.)
<b>Session 3</b>	<b>Skin epithelial barrier</b> <i>Chairs: Claudia Traidl-Hoffmann, Harald Renz</i>
14:30 - 15:00	<b>Ioana Agache</b> Skin epithelial barrier as a biomarker for the asthmatic lung
15:00 - 15:30	<b>Martin Steinhoff</b> Neuroimmune communication regulating pruritus in atopic dermatitis
15:30 - 16:00	<b>Jonathan M. Coquet</b> Mice with a wild microbiota and strong allergic immune responses
16:00 - 16:30	<i>Coffee break</i>
<b>Session 4</b>	<b>Focus on the epithelial barrier in the skin and lung</b> <i>Chairs: Mohamed Shamji, Hideaki Morita</i>
16:30 - 17:00	<b>Hamida Hammad</b> Mechanisms of the farm dust protective effect
17:00 - 17:20	<b>Yasutaka Mitamura</b> Elevated indoor CO2 influence the skin epithelial barrier and the development of atopic dermatitis
17:20 - 17:30	<b>Name</b> title
17:30 - 17:40	<b>Name</b> title
17:40 - 17:50	<b>Name</b> title
17:50 - 18:00	<b>Name</b> title
18:00 - 18:10	<b>Name</b> title
18:10 - 18:20	<b>Name</b> title
18:20 - 18:30	<b>Name</b> Title
18:30 - 22:00	<i>Dip &amp; Discuss Dinner Buffet</i>
19:00	<b>Poster Sessions:</b> Room: Connected Seehorn-Jakobshorn-Schwarzhorn Last bus will leave at 22:56 at the HGK Busstop, Time table: <a href="https://www.gemeindedavos.ch/docn/4888501/231208_Fahrplan_Homepage.pdf">https://www.gemeindedavos.ch/docn/4888501/231208_Fahrplan_Homepage.pdf</a>

## 2. Day - Friday, 26 July 2024

<b>Session 5</b>	<b>The epithelial barrier and microbiome</b> <i>Chairs: Marek Jutel, Martin Steinhoff</i>
08:30 - 09:00	<b>Ruby Pawankar</b> The One Health concept
09:00 - 09:30	<b>Claudia Traidl-Hoffmann</b> Regulation of the epithelial barrier and microbiome by environmental factors
09:30 - 10:00	<b>Cezmi A. Akdis</b> Restoring the epithelial barrier – key pathways
10:00 - 10:30	<i>Coffee break</i>
<b>Session 6</b>	<b>Periepithelial Inflammation</b> <i>Chairs: Milena Sokolowska, Ismail Ogulur</i>
10:30 - 11:00	<b>Mohamed Shamji</b> Innate immune cells and their contribution to diseases
11:00 - 11:30	<b>Harald Renz</b> Dental Biofilm and Saliva Microbiome and Its Interplay with Pediatric Allergies
11:30 - 11:45	<b>Nadine Serhan</b> Neuroimmune interactions in the epithelial surface
11:45 - 12:00	<b>Firstname Lastname (Short Talk)</b> Talk Title
12:00 - 13:30	<i>Lunch break - A buffet lunch will be provided</i>
<b>Session 7</b>	<b>Gastrointestinal epithelial barrier</b> <i>Chairs: Ruby Pawankar, Jonathan M. Coquet</i>
13:30 - 14:00	<b>Hideaki Morita</b> Establishment of a novel IL-25-ILC2 dependent mouse model for eosinophilic gastroenteritis
14:00 - 14:30	<b>Liam O'Mahony</b> The interplay between the lung and gut - the important role of the microbiome
14:30 - 15:00	<b>Claudia Mauri</b> Exploring Intestinal Permeability: A Novel Approach to Preventing and Treating Autoimmune Diseases
15:00 - 15:20	<b>Ismail Ögülür</b> Gut epithelial responses to environmental toxic substances and food additives
15:20 - 15:30	<b>Firstname Lastname (Short Talk)</b> Talk Title
15:30 - 16:00	<i>Coffee break</i>

**Session 8**

**The epithelial barrier injury and diseases**

*Chairs: Marek Sanak, Yasutaka Mitamura*

16:00- 16:30

**Alfred Doyle**

Role of Epithelial Barrier Dysfunction in the Pathogenesis of Eosinophilic Esophagitis

16:30 - 17:00

**Ali Önder Yildirim**

Regulation of Epithelial Cell Injury in the Lung

17:00 - 17:30

**Jan Hendrik Niess**

Regulatory role of IL-20 subfamily cytokines in oesophageal epithelial barrier function

17:30 - 17:40

**Firstname Lastname (Short Talk)**

Talk Title

17:40 - 17:50

**Firstname Lastname (Short Talk)**

Talk Title

17:50

**End of the meeting - Thank you!**

