



EAACI
EUROPEAN ACADEMY OF ALLERGY
AND CLINICAL IMMUNOLOGY

SUMMER SYMPOSIUM

on Epithelial Cell Biology

21 - 22 September 2023
London, United Kingdom



POCKET PROGRAMME

www.eaaci.org/other_events

SCIENTIFIC PROGRAMME

ORGANISER

EAACI



COMMITTEE



**EAACI Vice President
Congresses
EAACI Summer
Symposium 2023 Chair**
Mohamed Shamji
United Kingdom



**EAACI Summer
Symposium 2023 Chair**
Cezmi A. Akdis
Switzerland



**EAACI Summer
Symposium 2023 Chair**
Ioana Agache
Romania

WELCOME

Dear esteemed colleagues,

It is with great pleasure that we extend a warm invitation to you for the EAACI Summer Symposium on Epithelial Cell Biology 2023, taking place in the memorable city of London, United Kingdom, on 21 – 22 September 2023.

In our daily lives, we are constantly exposed to a multitude of toxins and chemicals. According to the epithelial barrier hypothesis, many of these substances can cause damage to the delicate layer of cells that form the epithelium, which covers our skin, lungs, and intestine. The consequences of compromised epithelial barriers are far-reaching, contributing to the alarming rise of almost two billion cases of allergic, autoimmune, neurodegenerative, and psychiatric diseases. The scientific community recognizes this as one of the three major threats to humanity, alongside global warming and climate change, as well as virus infection pandemics like COVID and Ebola.

Local damage to the skin and mucosal barriers can lead to allergic conditions, inflammatory bowel disorders, and celiac disease. It is essential to pursue research in the field of epithelial barriers, where experimental models must be developed and validated to better understand the transportation of environmental antigens. This knowledge will guide us in preventing these conditions, intervening early, and creating innovative therapies.

During the symposium, you can expect two days filled with stimulating discussions and the opportunity to interact with distinguished scientists in the field. We have carefully curated an exceptional lineup of speakers who will share their expertise, fostering an environment of collaboration and knowledge exchange.

With the collective efforts of our cherished attendees, we are confident that this event will once again be a resounding success, offering a remarkable platform for scientific engagement.

We are looking forward to meeting you in the captivating city of London, where we will come together to advance our understanding of epithelial cell biology and its implications for human health.

Warm regards,
The Organizing Committee

GENERAL INFORMATION

BADGES AND IDENTIFICATION

Each participant receives a name badge upon check-in at the registration desk. This badge should be worn at all times in order to gain access to the session rooms and other events. Please note that access to the meeting areas will not be permitted without an official congress badge. If you have lost your badge, a new one can be reprinted (with proof of your original registration) at the Registration Assistance Desk for an extra fee.

CURRENCY

The official currency of the United Kingdom is the pound sterling, known as the pound (£, GBP).

LANGUAGE

The official language of the meeting is English.

VISA

Participants are advised to make their own arrangements with respect to entering UK. If you need a letter of invitation, contact registration@eaaci.org after your registration fee is settled. Please apply for a visa within a reasonable time prior to making your bookings.

MOBILE PHONE POLICY

Please respect the meeting policy and keep your mobile phones on silent in all meeting rooms.

TELEPHONE

The international access code for UK is +44. In case of emergency call 112 or 999.

DISCLAIMER

Participants are encouraged to purchase an insurance to cover loss incurred in the event of cancellation. EAACI cannot be held liable for any hindrance or disruption of the EAACI Summer Symposium 2023 proceedings arising from natural, political, social or economic events or other unforeseen incidents beyond its control (force majeure). Registration of a participant implies acceptance of this condition. The materials presented at this continuing medical education activity are made available for educational purposes only.

PHOTOGRAPHY, FILM AND AUDIO FOR EVENT DOCUMENTATION AND PUBLIC REPORTING

By participating in the EAACI Summer Symposium 2023 the delegate understands that recordings of the digital content and the capture of images and videos to be publicly shared are prohibited.

PRESS CONTACT DETAILS

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VENUE AND ACCOMMODATION

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SCIENTIFIC PROGRAMME

THURSDAY 21 SEPTEMBER

📍 PLENARY HALL G34

08:15 - 08:30 WELCOME ADDRESS

CHAIRS: Mohamed Shamji (UK) | Ioana Agache (RO) and Cezmi Akdis (CH)

08.30 - 09.00 INTRODUCTORY LECTURE - LEVERAGING DIET FOR THE GUT MICROBIOME

CHAIRS: Mahesh S Desai (LU) **ONLINE LECTURE**

09:00 - 10:30 SESSION 1 | LUNG EPITHELIUM - THE KEY TURNING POINT IN ASTHMATIC INFLAMMATION

CHAIRS: Cezmi Akdis (CH) | Mohamed Shamji (UK)

PLENARY TALKS

- 09:00 - 09:30 The link between airway epithelial type-2 alarmin profiles and blood eosinophil counts
David Jackson (UK)
- 09:30 - 10:00 Living on the edge: epithelial-immune interactions regulating pulmonary Immunity
Clare Lloyd (UK)
- 10:00 - 10:30 Profiling of H3K27Ac and the epigenome of the asthmatic airway epithelium
Paul Lavender (UK)

10:30 - 11:00 Coffee Break

11:00 - 14:30 SESSION 2 | THE LUNG AND THE EXPOSOME

CHAIRS: Ioana Agache (RO) | Marek Jutel (PL)

PLENARY TALKS

- 11:00 - 11:30 Pollutants and the epithelial barrier
Isabella Annesi-Maesano (FR)
- 11:30 - 12:00 Viral aggression
Sebastian Johnston (UK)
- 12:00 - 12:30 Allergen aggression
Ian Adcock (UK)

12:30 - 13:30 Lunch break and Immunomodulation and Tolerance Group (ITG) Tour

- 13:30 - 14:30 Rapid detection of skin barrier by electric impedance spectroscopy
Yasutaka Mitamura, CH and Cezmi Akdis (CH)

THURSDAY 21 SEPTEMBER

📍 PLENARY HALL G34

14:30 - 16:00 SESSION 3 | UPDATES ON THE SKIN EPITHELIAL BARRIER

CHAIRS: Sebastian Johnston (UK) | Isabella Annesi-Maesano (FR)

PLENARY TALKS

- 14:30 - 15:00 The skin epithelial theratypes
Emma Gutmann (USA) **ONLINE LECTURE**
- 15:00 - 15:30 The maturation of the skin barrier
Georgios Stamatias (GR)
- 15:30 - 16:00 The skin microbiome
Claudia Traidl-Hoffman (GE)

16:00 - 16:20 ORAL ABSTRACTS

- 16:00 - 16:10 Regulation of gut and skin epithelial barrier by microbiome metabolites
Yagiz Pat (CH)
- 16:10 - 16:20 Discovery of Carbonic Anhydrase as a Novel Controller of Skin Inflammation and Barrier Strength in Atopic Dermatitis
Yasutaka Mitamura (CH)

16:20 - 16:50 Coffee Break

16:50 - 18:00 SESSION 4 | SPECIAL SESSION – EPITHELIAL BARRIER PAPERS PUBLISHED IN ALLERGY

CHAIRS: Maria Torres (SP) | Claudia Traidl-Hoffman (GE)

PLENARY TALKS

- 16:50 - 17:00 Editor in Chief address - Allergy Journal
Cezmi Akdis (CH)
- 17:00 - 17:30 Detergent/surfactant exposure and EoE
Benjamin Wright (UK)
- 17:30 - 18:00 Disrupted epithelial permeability as a predictor of severe COVID-19 development
Duygu Yazici (CH)

18:00 - 18:10 ORAL ABSTRACTS

- 18:00 - 18:10 Lipid Transfer Protein Allergies Show Minimal Impact on Oral Mucosal Integrity
María Isabel Delgado Dolset (SP)

18:20 - 18:30 CONCLUDING REMARKS

Cezmi Akdis | Mo Shamji | Ioana Agache

SCIENTIFIC PROGRAMME

FRIDAY 22 SEPTEMBER

📍 PLENARY HALL G34

08:30 - 10:00 SESSION 5 | THE EPITHELIAL BARRIER AND IMMUNE TOLERANCE

CHAIRS: Mubeccel Akdis (CH) | Janice Layhadi (UK)

PLENARY TALKS

- 08:30 - 09:00 Immunological basis and level of evidence for the epithelial barrier theory
Cezmi Akdis (CH)
- 09:00 - 09:30 Restoration and regulation through allergen immunotherapy
Mo Shamji (UK)
- 09:30 - 10:00 Restoration and regulation through biologicals
Ioana Agache (RO)

10:00 - 10:30 Coffee Break

10:30 - 12:00 SESSION 6 | A PAEDIATRIC VIEW ON THE EPITHELIAL BARRIER

CHAIRS: Oscar Palomares (SP) | Ian Adcock (UK)

PLENARY TALKS

- 10:30 - 11:00 Understanding the inception of food allergy
George du Toit (UK)
- 11:00 - 11:30 Single-cell omics technologies in evaluating epithelial cell responses in allergy and asthma
Janice Layhadi (UK)
- 11:30 - 12:00 Towards lung regeneration: tools and mechanisms
Charlotte Dean (UK)

12:00 - 13:00 Lunch break and Immunomodulation and Tolerance Group (ITG) Tour

13:00 - 15:00 SESSION 7 | UPDATE ON THE EPITHELIAL BARRIER IN THE GUT

CHAIRS: Nandinee Patel (UK) | Benjamin Wright (UK)

PLENARY TALKS

- 13:00 - 13:30 Environmental factors potentially disrupting the gut epithelial barrier
Hideaki Morita (JP)
- 13:30 - 14:00 The cross-talk between the lung and gut - central role of the microbiome
Liam O'Mahony (IRL) **ONLINE LECTURE**
- 14:00 - 14:30 The airway epithelium in paediatric asthma
Sejal Saglani (UK)
- 14:30 - 15:00 Cell-intrinsic differences between human airway epithelial cells in children and adults
Thomas Eiwegger (AU)

FRIDAY 22 SEPTEMBER

📍 PLENARY HALL G34

15:00 - 15:10 ORAL ABSTRACTS

15:00 - 15:10 Epithelitis: barrier disruption and activation of pro-inflammatory pathways in gut epithelial cells by food emulsifiers
Duygu Yazici (CH)

15:10 - 15:30 Coffee Break

15:30 - 16:30 SESSION 8 | THE EPITHELIAL BARRIER AS COMMON DENOMINATOR FOR OTHER DISEASES

CHAIRS: Mubeccel Akdis (CH) | Hideaki Morita (JP)

PLENARY TALKS

15:30 - 16:00 Innate immune cell - epithelial crosstalk in modulating the immune response
Oscar Palomares (SP)

16:00 - 16:30 Thymic stromal lymphopoietin induces adipose loss through sebum hypersecretion
Taku Kambayashi (USA)

16:30 - 17:15 ORAL ABSTRACTS

16:30 - 16:40 The synthetic cannabinoid agonist WIN55,212-2 protects from bronchial epithelial barrier alterations induced by rhinoviral infection and type 2 inflammation
Mario Pérez-Diego (SP)

16:40 - 16:50 Does the clock affect integrity of the airway epithelial barrier in asthma?
Amlan Chakraborty (UK)

16:50 - 17:00 Phenotyping Nasal Epithelial Cells in Severe Eosinophilic Asthma Patients
Katie Raby (UK)

17:00 - 17:10 The synthetic cannabinoid WIN55212-2 exerts anti-inflammatory properties in endothelial cells and in a murine model of aortic endothelial denudation
Natalia Cuervo López (SP)

17:10 - 17:15 Effect of tezepelumab on airway hyperresponsiveness by baseline blood eosinophil count in patients with severe, uncontrolled asthma in the phase 2 CASCADE study
Deborah Clarke (UK)

17:15 - 17:30 CONCLUDING REMARKS

Cezmi Akdis | Mo Shamji | Ioana Agache



PAAM HYBRID 2023

 2-4 November
 Porto, Portugal



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