



Ege University – Institute of Health Sciences
Department of Translational Pulmonology
EgeSAM- Ege University Translational Pulmonary Research Center
İzmir, Türkiye

EgeSAM Cumhuriyet Sempozyumları
“Cumhuriyetimizin 102.yılı Sempozyumu-2025”

EgeSAM Cumhuriyet Symposia
“102nd Anniversary Symposium of the Founding of the Republic of Türkiye-2025”

EgeSAM–MIT–Harvard Collaborative Symposium
“The Impact of the Exposome on Epithelial Barriers, Regeneration, and Disease”
October 7–8, 2025 | İzmir, Türkiye

Organizing & Scientific Committee

- Prof. Tuncay Goksel, MD, PhD – Ege University (*Co-Chair*)
- Prof. Omer H. Yilmaz, MD, PhD – MIT Koch Institute (*Co-Chair*)
- Prof. Carla F. Kim, MD – Harvard Medical School, Boston Children’s Hospital
- Prof. Doug Kwon, MD – MIT Ragon Institute
- Prof. Petros Koutrakis, MD – Harvard T.H. Chan School of Public Health
- Prof. Ozlem Goksel, MD, PhD – Ege University
- Prof. Ozlem Yesil Celiktaş, PhD – Ege University
- Prof. Levent Pelit, PhD – Ege University
- Prof. Ralph Meuwissen, PhD – Ege University
- Prof. Ayse Caner, MD, PhD – Ege University
- Assoc. Prof. Asli Tetik Vardarli, PhD – Ege University
- Assoc. Prof. Fusun Pelit, PhD – Ege University
- Assoc. Prof. Nalan Unal, MD – Ege University
- Asst. Prof. Jessica Shay, PhD – University of Utah & MIT
- Asst. Prof. Yasin Kaymaz, PhD – Ege University
- Pelin Saglam Metiner, PhD – EgeSAM (*Secretary*)

Symposium Programme

October 7, 2025 – Day 1

09:00–09:30 | Opening Session

- **Prof. Necdet Budak** – Rector, Ege University
- **Assoc. Prof. Omer H. Yilmaz** – Symposium Co-Chair
- **Prof. Tuncay Goksel** – Symposium Chair-*Introduction to EgeSAM and the Symposium*

09:30–11:45 | Panel 1: Lung Regeneration and Disease in Response to the Exposome

Moderator: Prof. Omer H. Yilmaz

- **Keynote Lecture**

Prof. Petros Koutrakis (45 min + 15 min Q&A)

“The Role of the Exposome in Health and Disease”

Short coffee break

- **Keynote Lecture**

Prof. Carla F. Kim (45 min + 15 min Q&A)

“Lung Stem Cells in Regeneration and Disease”

11:45–13:30 | Lunch & Poster Presentations

Moderator: Assoc. Prof. Asli Tetik Vardarli

13.30 – 14.50: 2nd Panel: The connection between infectious etiologies and epithelial barriers

Moderator: Prof. Ozlem Goksel

- **Keynote Lecture**

Prof. Doug Kwon (45 min + 15 min Q&A)

“The Role of Adaptive Immune Cells in Tissue Health and Disease”

- **Prof. Ozlem Goksel** (15 min + 5 min Q&A)

“Assessing chronic inflammation’s clinical effects on epithelial barriers in patients”

14:50–15:30 | Coffee Break & Poster Presentations

Moderator: Assoc. Prof. Fusun Pelit

15:30–16:50 | Panel 3 – Tools for Studying the Exposome

Moderator: Prof. Ozlem Yesil Celiktaş

- **Prof. Ozlem Yesil Celiktaş** (15 min + 5 min Q&A) *“Airway Epithelial Barrier: Organoids and On-Chip Models”*
- **Asst. Prof. Yasin Kaymaz** (15 min + 5 min Q&A) Bioinformatic tools for understanding of many effects of the exposome
- **Prof. Levent Pelit** (15 min + 5 min Q&A) *“Biomonitoring the effects of Exposome in vivo”*
- **Prof. Ralph Meuwissen** (15 min + 5 min Q&A) *“Modeling the Exposome in Mouse Models”*

17:00 | Closing of Day 1

October 8, 2025 – Day 2

09:30–10:40 | Panel 4 – Dietary Effects on Regeneration and Cancer

Moderator: Assoc. Prof. Nalan Gulsen Unal

- **Keynote Lecture**

Assoc. Prof. Omer H. Yilmaz (30 min + 5 min Q&A)

“Dietary Control of Stem Cells in Physiology and Disease”

- **Keynote Lecture**

Asst. Prof. Jessica Shay (30 min + 5 min Q&A)

“Dietary Lipids, Not Ketone Body Metabolites, Influence Intestinal Tumorigenesis in a Ketogenic Diet”

10:40–11:00 | Coffee Break

11:00–12:30 | Selected Oral Presentations

(5 minutes per speaker)

Moderator: Prof. Ayse Caner

12:30–13:00 | Closing Ceremony & Awards

Prof. Tuncay Goksel & Assoc. Prof. Omer H. Yilmaz

13:00–22:00 | Social Programme – Trip to Ephesus