



YONSEI
UNIVERSITY

13th Anniversary
The Airway Mucus Institute

The 13th Research Symposium on Human Natural Defense System

“Cutting Edge Research in Allergic Airway Inflammation”

October 28th (Sat), 2017

NEWILHAN Memorial Hall, Avison BioMedical Research Center (ABMRC) Yonsei University College of Medicine

Structural & Immune Cells in Allergic Airway Inflammation

- 09:00-09:20 Active role of airway epithelium in asthma development and exacerbation
- 09:20-09:40 A major player in the pathogenesis of allergic diseases: Dendritic cells and immune polarization
- 09:40-10:00 Regulation of effector T cells by ligand independent CTLA-4 protein to control allergic airway inflammation
- 10:00-10:20 The role of innate lymphoid cell in allergic inflammation
- 10:20-10:40 *Coffee Break*

좌장: **윤주현 (연세대)**

조상헌 (서울대)

신성재 (연세대)

최제민 (한양대)

손명현 (연세대)

Invited Lecture

- 10:40-11:10 Allergic airway inflammation and antihistamine
- 11:10-11:40 Specific immunotherapy and T regulatory cells
- 11:40-12:10 Thromboxane attenuates Th9 cell differentiation and function during allergic lung inflammation
- 12:10-12:40 Mitochondrial dynamics in airway diseases
- 12:40-13:50 *Lunch (Photo)*

좌장: **Shoji Matsune (Nippon Medical School, Japan)**

Kimihiro Okubo (Nippon Medical School, Japan)

Hua-Bin Li (Fudan University, China)

Darryl C. Zeldin (NIH, USA)

Augustine Choi (Weil Cornell University, USA)

Microbiome in Health and Disease

- 13:50-14:10 Role of microbiome in the development of allergic rhinitis
- 14:10-14:30 Relationship between gut virome and inflammation

좌장: **이상학 (고려대)**

민현진 (중앙대)

배진우 (경희대)

Epidemiology and Environment in Allergy

- 14:30-14:50 Japanese Cedar (*Cryptomeria japonica*) Pollinosis in Jeju, Korea
- 14:50-15:10 How can early life factors affect allergy development?
- 15:10-15:30 House dust mite sensitization profile and clinical implications
- 15:30-15:50 The respiratory effect of exposure to particulate matter
- 15:50-16:10 *Coffee Break*

좌장: **김창훈 (연세대)**

이근화 (제주대)

이소연 (울산대)

정경용 (연세대)

임영욱 (연세대)

OMICs in Airway Inflammation

- 16:10-16:30 Genome-wide association studies of asthma
- 16:30-16:50 Epigenomic profiles of peripheral blood T lymphocytes in refractory asthma
- 16:50-17:10 Application of metabolomics in respiratory disease
- 17:10-17:30 Analysis of metabolites in plasma of allergic rhinitis patients using UPLC-qTOF-MS

좌장: **유지환 (연세대)**

김경원 (연세대)

장헌수 (순천향대)

조주연 (서울대)

정연욱 (연세대)

Supported by

Global Research Laboratory for Allergic Airway Disease
The Airway Mucus Institute (TAMI)
Korea Mouse Sensory Phenotyping Center
EYE & ENT Hospital