



YONSEI
UNIVERSITY

12th Anniversary
The Airway Mucus Institute

The 12th Research Symposium on Human Natural Defense System

In Commemoration of the 20th Anniversary of the EYE and ENT Hospital

“New Horizon in Allergic Airway Disease”

October 1st (Sat), 2016

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

09:00 **Welcome Address**
Joo-Heon Yoon, MD, PhD
Director, Research Center for Human Natural Defense System
Professor, Department of Otorhinolaryngology
Yonsei University College of Medicine, Seoul Korea

[Session I] Genetics in Allergic Airway Disease

09:10-09:40 Asthma genomics beyond GWAS
09:40-10:10 Heterogeneity of airway inflammation in AERD patients
10:10-10:40 The role of PAR-2 (protease-activated receptor-2) in allergic inflammation
10:40-11:00 *Coffee Break*

Chair: Joo-Heon Yoon (Yonsei University)

Choon-Sik Park (Soonchunhyang University)
Hae-Sim Park (Ajou University)
Myung-Hyun Sohn (Yonsei University)

[Session II] Microbiome in Health and Disease

11:00-11:30 A single gene of a commensal microbe affects host susceptibility to enteric infection
11:30-12:00 Microbiome in allergic diseases
12:00-12:30 Microbiome in asthma
12:30-14:00 *Photo and Lunch*

Chair: Chang-Hoon Kim (Yonsei University)

Sang Sun Yoon (Yonsei University)
Soo-Jong Hong (Ulsan University)
Hye-Ryun Kang (Seoul National University)

[Special Lecture]

14:00-14:30 Coordinated mechanism for airway fluid absorption and secretion

Nam Soo Joo (Stanford University, USA)

[Session III] Immunotherapy: Present and Future

14:30-15:00 Perspective on monoclonal antibody treatment in allergic diseases
15:00-15:30 Immunotherapy : Present and future
15:30-15:50 *Coffee Break*

Chair: Jung-Won Park (Yonsei University)

Jung-Won Park (Yonsei University)
Kimihiro Okubo (Nippon Medical School, Japan)

[Session IV] New Insight in Pathogenesis of Allergic Airway Diseases

15:50-16:20 Innate lymphoid cells in airways: Will they take your breath away?
16:20-16:50 Role of bronchial epithelial cells in the pathogenesis of heterogeneous subtypes of asthma
16:50-17:20 Local allergic rhinitis in our university hospital
17:20 *Adjourn*

Chair: Kyung-Su Kim (Yonsei University)

Hye Young Kim (Seoul National University)
You Sook Cho (Ulsan University)
Shoji Matsune (Nippon Medical School, Japan)

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Research Center for Human Natural Defense System (RCHNDS)
The Airway Mucus Institute (TAMI)
EYE & ENT Hospital
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