

The 15th Research Symposium on Human Natural Defense System

“Allergic Inflammation and Mucosal Immunology”

November 2nd (Sat), 2019

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

08:50 Opening remarks 윤주현 (연세대)

Session I Mucosal innate immunity

좌장: 윤주현 (연세대)

09:00-09:25 Innate immune crosstalk in asthmatic airways: Innate lymphoid cells coordinate polarization of lung macrophages 김혜영 (서울대 의학과 유전학부)

09:25-09:50 Thymic development of innate T cells 이유정 (POSTECH/융합생명공학부)

09:50-10:15 Functional energetics of neutrophils and macrophages 전현식 (고려대 생명정보공학과)

10:15-10:45 **Special Lecture 1** Underlying mechanisms of mucosal inflammation triggered by common viral infections De Yun Wang (Natl. Univ. of Singapore, Singapore)

10:45-11:05 *Coffee break*

Session II Immune regulation

좌장: 김창훈 (연세대)

11:05-11:30 Regulation of microbiota-derived metabolites on gut homeostasis 권미나 (울산대 융합의학과)

11:30-11:55 Regulation of immunological homeostasis by FoxP3 regulatory T cells 권호근 (연세대 미생물학과)

11:55-12:20 Clinical application of gene editing in immunologic disease 주지현 (가톨릭의대 류마티스 내과)

12:20-12:50 **Special Lecture 2** Long term efficacy of sublingual immunotherapy after finishing SLIT Kimihiro Okubo (Nippon medical school, Japan)

12:50-14:00 *Photo and Lunch*

Session III OMCs in allergic inflammation

좌장: 조형주 (연세대)

14:00-14:30 **Special Lecture 3** Metabolism and mitochondrial quality control in lung disease Augustine MK Choi (Cornell Univ., USA)

14:30-14:55 Proteomic approach in allergic disease and its application 김경곤 (울산대 융합의학과)

14:55-15:20 Understanding of upper airway microbiome associated with asthma 김봉수 (한림대 생명과학과)

15:20-15:45 A parallel approach of in vitro and in vivo secretomes for biomarkers of nasal mucosal inflammation 정연욱 (연세대 의생명과학부)

Supported by

Global Research Laboratory for Allergic Airway Disease

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EYE & ENT Hospital