

The 9th Research Symposium on Human Natural Defense System

“Microbiome Research for Human Natural Defense”

2013. 10. 19 (SAT)

NEWILHAN Memorial Hall
Avison BioMedical Research Center (ABMRC)
Yonsei University College of Medicine
연세대학교 에비슨 의생명 연구센터 (ABMRC) 유일한홀

P R O G R A M

09:00

Welcome Address

Joo-Heon Yoon, MD

Director, Research Center for Human Natural Defense System / Dean, Yonsei University College of Medicine

Professor, Department of Otorhinolaryngology / Yonsei University College of Medicine, Seoul, Korea

Session I Germ-free Biology for Understanding Health and Disease

09:10

Germfree technology—a powerful tool to reveal the “True” phenotypes of genetically engineered mice

Chair: Je Kyung Seong, PhD
Evan Yen-Te Huang, PhD (National laboratory animal center, Taiwan)

09:40

Korean microbiome research using twins

GwangPyo Ko, Sc.D (Seoul National University)

10:10

Coffee Break

10:30

Metformin-mediated change of the gut microbiome in diet-induced obese mice

Chair: Joo-Heon Yoon, MD
Jin-Woo Bae, PhD (Kyung Hee University)

11:00

Microbial evolution and interaction with the human host

Heenam Kim, PhD (Korea University)

11:30

Next generation genomics and bioinformatics for microbiome studies

Jongsik Chun, PhD (Seoul National University / ChunLab, Inc.)

12:00

Photo and Lunch

Session II Interaction between Host & Bacteria

13:00

Metagenomic analysis of bacteria and virus in upper respiratory tract

Chair: Kyungwon Lee, MD
Dong Eun Yong, MD (Yonsei University)

13:30

Drug resistance of glucose non-fermenting gram-negative bacilli

Seok Hoon Jeong, MD (Yonsei University)

14:00

Coffee Break

14:20

How can the Pseudomonas survive in airway mucus?

Chair: Jeon-Soo Shin, MD
Jae Young Choi, MD (Yonsei University)

14:50

Roles of the major catalase in acute and chronic infections of Pseudomonas aeruginosa

You-Hee Cho, PhD (Cha University)

15:20

Metabolic and physiological differences between mucoid and non-mucoid P. aeruginosa revealed by phenotype microarray analysis

Sang Sun Yoon, PhD (Yonsei University)

[Special Lecture]

15:50

New frontier in regenerative medicine using genetically modified cells

Yeon-Soo Kim, PhD (Inje University)

16:30

Adjourn

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