

21ST AVISON BIOMEDICAL SYMPOSIUM 2024

Decoding Human Health : The Microbiome Connection

May 30th ~ 31st | Eun Myung Auditorium, Severance Hospital (6F)

사전등록



DAY 1. May 30th (THU), 2024

09:20~09:30 Welcome Remarks

Dean Prof. Eun Jig Lee

SESSION 1. Nervous System

Chairman Jaesang Kim (Ewha Womans University)

09:30~10:10 Microbiota-derived SCFA enable the metabolic fitness of the brain innate immune system during health and disease

Marco Prinz (University of Freiburg)

10:10~10:30 The role of Gut-Brain Axis in Alzheimer's disease pathogenesis

Inhee Mook-Jung (Seoul National University)

10:30~10:50 Coffee Break

SESSION 2. Endocrine Organs and Liver

Chairman Eun Jig Lee (Yonsei University)

10:50~11:30 Maternal gut microbiota secures energy homeostasis in embryos

Koji Hase (Keio University)

11:30~12:10 Gut-liver axis-mediated mechanism of liver cancer development

Naoko Ohtani (Osaka Metropolitan University)

12:10~12:30 Microbiome-based Therapeutics for Lowering TMAO: Implications for Cardiovascular and Chronic Kidney Disease Treatment

Sang Sun Yoon (Yonsei University)

12:30~14:00 Lunch

SESSION 3. Infection

Chairman Dong Eun Yong (Yonsei University)

14:00~14:40 The human gut microbiome as a source of bacteriocins and bacteriophage with therapeutic potential

Colin Hill (University College Cork)

14:40~15:00 Microbiome based therapy for decolonization of multidrug-resistant bacteria in the intestine

Jun Yong Choi (Yonsei University)

15:00~15:20 Microbiota-derived metabolites: Guardians of gut homeostasis and defense against lung viral infections

Mi-Na Kweon (University of Ulsan)

15:20~15:40 Coffee Break

SESSION 4. Respiratory Organs / Oral Cavity

Chairman Joo Heon Yoon (Yonsei University)

15:40~16:20 Deciphering effects of the airway microbiome on asthma and COPD phenotype

Yvonne J. Huang (University of Michigan)

16:20~16:40 The participation of upper airway microbiome in distinct antiviral immune responses

Hyun Jik Kim (Seoul National University)

16:40~17:00 Exploring the relationship between oral microbiome and systemic diseases through bacterial biofluorescence

Baek Il Kim (Yonsei University)

DAY 2. May 31st (FRI), 2024

SESSION 5. Cancer

Chairman Chulho Kim (Ajou University)

09:00~09:40 Microbiome-Host Interactions in health and disease

Eran Elinav (Weizmann Institute of Science)

09:40~10:20 Pancreatic Cancer and Gut Microbiome: From Bench to Bedside

Deepak Saxena (New York University)

10:20~10:40 Deciphering the Influence of Microbiome on Cancer Treatment

In Suk Lee (Yonsei University)

10:40~11:00 Coffee Break

SESSION 6. Digestive Organs

Chairman Yong Chan Lee (Yonsei University)

11:00~11:40 The gut virome in Health and Intestinal inflammation

Tao Zuo (Sun Yat-sen University)

11:40~12:20 TBD

Arthur Kaser (University of Cambridge)

12:20~12:40 Culturomics-based analysis integrated with phylogenomics reveals the distinct metabolic deficiency of gut microbiota in ulcerative colitis

Hong Koh (Yonsei University)

12:40~13:00 Microbiome and immunometabolism in inflammatory bowel disease

Jae Hee Cheon (Yonsei University)

13:00~14:30 Lunch

SESSION 7. Immunity

Chairman Jeon Soo Shin (Yonsei University)

14:30~15:10 Immune modulatory function of microbial metabolites of bile acids

Jun Huh (Harvard Medical School)

15:10~15:30 Microbiome Therapeutics for Inflammatory Disorders and Cancer

Sin-Hyeog Im (POSTECH)

15:30~15:50 The role of IgA in shaping host-microbial symbiosis

Joo-Hong Park (Seoul National University)

15:50~16:10 Coffee Break

SESSION 8. Industry

Chairman Jeong Jin Lee (CKD Bio Corporation)

16:10~16:30 Harnessing the power of the microbiome: Evolution of the Microbiota-Based Therapeutics Industry

Sang Won Park (Ferring-North Asia)

16:30~16:50 Microbiome and chronic immuno-metabolic disorders

GwangPyo Ko (KOBIO LABS)

16:50~17:10 Using Pharmaceutical Meta-Analytical Screening (PMAS) for personalized microbiome solution

Yosep Ji (HEM Pharma)



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