

US Japan Cooperative Medical Sciences Annual Meeting Joint Cancer, Immunology, and Enteric Diseases Panel

- 9:30 – 9:40** **Welcome and Introductory Remarks**
Rieko Ohki Japan Cancer Panel Chair; Conrad Mallia, Immunology Panel U.S. Secretariat; Ken Ishii Japan Immunology Panel Chair; Yukihiro Akeda Japan Enteric Disease Panel Chair; Amir Zeituni, Enteric Disease U.S. Secretariat; Edward Ryan U.S. Enteric Disease Panel Chair
- Moderators:** **Conrad Mallia (USA), Ken J. Ishii (Japan)**
- 9:40 – 10:00** *Fusobacterium in Human Tumors and Its Impact on Cancer Progression and Treatment*
Susan Bullman, University of Texas– MD Anderson Cancer Center, USA (Virtual)
- 10:00 – 10:10** Q&A
- 10:10 – 10:30** *Targeted elimination of pathobiont Enterococcus faecalis by a phage-derived enzyme suppresses graft-versus-host disease*
Satoshi Uematsu, Osaka Metropolitan University, Japan
- 10:30 – 10:40** Q&A
- 10:40 – 10:50** Break
- 10:50 – 11:10** *Diet and microbiome control of immunotherapy*
Abby Overacre-Delgoffe, University of Pittsburgh, USA (Virtual)
- 11:10 – 11:20** Q&A
- 11:20 – 11:40** *TAM-Derived PF4 and Treg-Intrinsic IFN- γ Sustain Th1-Treg Cells to Suppress Antitumor Immunity*
Masahiro Yamamoto, Osaka University, Japan
- 11:40 – 11:50** Q&A & Discussion
- 11:50 – 12:45** *Lunch Break*
- Moderators:** **Satoshi Uematsu (Japan), Neelendu (Neel) Dey (USA)**
- 12:45 – 13:00** *Helicobacter pylori natural history, physiology and cancer promoting activities*
Nina Salama, University of Washington – Fred Hutch Cancer Center, USA

- 13:00 –13:10** Q&A
- 13:10 –13:25** *Single-Cell RNA Sequencing Insights into the Colorectal Cancer Immune Microenvironment and Cancer Vaccine Responses*
Francis Tieng Yew Fu, University of Malaya, Malaysia
- 13:25 – 13:30** Q&A
- 13:30 –13:45** *Defense mechanisms against Clostridium botulinum infection by intestinal microbiota*
Nobuhide Kobayashi Kanazawa University, Japan
- 13:45 – 13:50** Q&A
- 13:50 – 13:55** Break (Enteric Disease/Cholera Panel Transition)
- Moderator:** **Noriho Iida (Japan), Francis Tieng Yew Fu (Malaysia)**
- 14:00– 14:10** Flash Talk #1
Asuka Joy Tobuse, The University of Tokyo
Biphasic innate immune cell-mediated memory responses confer protection against viral infection
- 14:10 – 14:20** Flash Talk #2
Naoko Satoh-Takayama, RIKEN
Collinsella aerofaciens modulates IgA responses to shape gut microbial homeostasis
- 14:20 – 14:30** Flash Talk #3
Ryutaro Kotaki, The University of Tokyo
Independent germinal centers are induced in primary and secondary draining lymph nodes
- 14:30 – 14:40** Flash Talk #4
Ryuichi Murakami (The University of Tokyo)
Dynamic and direct control of regulatory T cell cis-regulatory programs by Foxp3
- 14:40 – 14:50** Flash Talk #5
Yuki Okamura (The University of Tokyo)

A Novel Feature of Immune Aging: Senescence-Prone Immune Cell Subsets

14:50 – 15:00 Conclusion Joint panel/Day one closing remarks

Day 2 (June 26th)

Cancer, Microbiome, and Nutrition

Session 1: Cancer, Microbiome and the GI Tract

Moderators: Masahiro Yamamoto (Japan), Christian Abnet (USA)

9:00 – 9:20 *Intratumoral and gut microbiota in hepatocellular carcinoma and prognosis*
Noriho Iida, Kanazawa University, Japan

9:20 – 9:30 Q&A

9:30 – 9:50 *Phage–bacteria equilibria in the colorectal cancer microbiome: phase variation, diet, and the path to precision microbiome engineering*
Neelendu (Neel) Dey, University of Washington – Fred Hutch Cancer Center, USA

9:50 – 10:00 Q&A

10:00 – 10:15 *Novel therapeutic approaches for liver and gastrointestinal cancers using nutrition*
Rozanna M. Rosly, Malaysian Dietitians' Association, Malaysia

10:15 – 10:20 Q&A

10:20 – 10:40 *Sustained AKT signaling drives metabolic stress–associated colorectal cancer development*
Haruna Takeda, National Cancer Center, Japan,

10:40 – 10:50 Q&A/Discussion

10:50 – 12:05 Lunch

Session 2: Cancer, Microbiome, Diet, and the GI Track

Moderators: Nina Salama (USA), Haruna Takeda (Japan)

12:05 –12:25 *The human microbiome, nutrition, and cancer*
Christian Abnet, National Cancer Institute, USA

12:25 –12:35 Q&A

12:35 –12:50 *Senescence–associated lysosomal dysfunction impairs cystine deprivation–induced lipid peroxidation and ferroptosis,*
Tze Mun Loo, Japanese Foundation for Cancer Research, Japan

- 12:50 – 12:55 Q&A
- 12:55 –13:15 *Targeting the Gut–Liver Axis and Microbiome: Novel Therapeutic Frontiers for MASH and Diabetes*
Yong Ho Lee, Yonsei University College of Medicine (Korea)
- 13:15 – 13:25 Q&A
- 13:25 –13:45 *M–cell–dependent commensal uptake enhances encephalitogenic phenotypes on α T17 cells in Peyer’s patch.*
Yotaro Kodaira, Keio University (Japan)
- 13:45 – 13:55 Q&A
- 13:55 –14:10 *Maternal tetrahydrobiopterin, a nutritional–metabolic cofactor, reprograms fetal brown fat and protects offspring from obesity*
Hiroto Minamino, Kyoto University, Japan
- 14:10 – 14:15 Q&A
- 14:15 – 14:30 Break
- 14:30 Flash Talks/Poster Session
- Moderator: Rozanna M. Rosly (Malaysia), Tze Mun Loo (Japan)**
- 14:30– 14:40 Flash Talk #1
Walied Kamel
Combined Loss of Rb and PHLDA3 Enhances Stem–Like Properties and Aggressiveness in Medullary Thyroid Carcinoma
- 14:40 – 14:50 Flash Talk #2
Kodai Ueno
Reprimo–YAP–p73 pathway induces extrinsic apoptosis and tumor suppression
- 14:50 – 15:00 Flash Talk #3
Naoya Kobayashi
p53 target Gene PHLDA3 Promotes PI3K/Myc–Driven Hepatocellular Carcinoma tumorigenesis by activating YAP
- 15:00 – 15:10 Flash Talk #4
Burcu Temizoz
Prime–Push Mtb Vaccination Drives Immuno–Switching in the Tumor Microenvironment

15:10 – 15:20 Q&A/Discussion

15:20 – 15:30 Closing remarks/Panel Conclusion