

**U.S.-Japan Cooperative Medical Sciences Program
(USJCMSP) International Conference on Emerging Infectious Diseases
(EID) in the Pacific Rim
March 11-15, 2025**

**Venue: National Center of Sciences Building, 2-1-2 Hitotsubashi, Chiyoda-ku,
Tokyo 101-8439**

MEETING DESCRIPTION

The focus of this conference is on viral diseases of importance in the Asia-Pacific region. The objectives of this conference are to share current research findings and foster existing and potential international research collaborations that engage investigators and institutions in the Asia-Pacific region and the United States.

Meeting Theme: Global partnerships for protecting against infectious diseases.

**Joint Cancer, Nutrition, Hepatitis and Immunology Panel
(Joint session with 33rd Molecular Immunology Forum Tokyo)**

AGENDA*

Panel Day 1 Friday, March 14, 2025

SESSION 1: Gut Microbiota and Maintenance of Homeostasis

Moderators: TBD (Japan)

13:15-13:20 **Welcome and Introductory Remarks**

13:20-13:40 Host immune regulation through changes in lipid metabolism and gut microbiota
Jun Kunisawa, (National Institutes of Biomedical Innovation, Health and Nutrition)

13:40-13:50 Q&A

13:50-14:10 Biofilms and *Fusobacterium nucleatum*: Partners in Colorectal Cancer Dysbiosis
Jessica Queen, (Johns Hopkins University)

14:10-14:20 Q&A

14:20-14:40 High fat diet causes persistent susceptibility to ferroptosis in CD8 T cells
Sidonia Fagarasan (RIKEN/Kyoto University)

14:40-14:50 Q&A

14:50 – 15:00 **Break**

- 15:00 - 15:20 Influence of the Gut Microbiome on Cancer Treatment Outcomes: Insights and Preliminary Findings from Ongoing Studies
Veronica Fedirko (University of Texas/MD Anderson)
- 15:20-15:30 Q&A
- 15:30-15:50 Toll like receptor responses to lysosomal nucleic acid stress
Miyake Kensuke, The University of Tokyo
- 15:50-16:00 Q&A
- 16:00-17:00 **Poster Flash Talks** (Each presentation is 10 minutes)
Part 1
Moderator: (Japan & US)
- Speaker 1 – Moeri Tsubaru (Immunology)**
Speaker 2 – Hideo Negishi (Immunology)
Speaker 3 – Trang Thu Nguyen (metabolism)
Speaker 4 – Muhammad Fauzi (metabolism)
Speaker 5 – Naoya Kobayashi (Cancer)
Speaker 6 – Yo Kimura (Cancer)
- 17:00-17:15 Q&A
- 17:15 –20:30 Poster Session/Reception

Panel Day 2 Saturday, March 15, 2025

SESSION 2: Immunology, Metabolism and Cancer

Moderators: TBD (US)

- 9:30-9:50 Pathological *Klebsiella pneumoniae* determines the clinical course of primary sclerosing cholangitis and serves as therapeutic targets
Nobuhiro Nakamoto – Keio University
- 9:50-10:00 Q&A
- 10:00-10:20 Overcoming the short-lived nature of tissue-resident memory CD8+ T cells in the lung”
Shiki Takamura (RIKEN)
- 10:20-10:30 Q&A
- 10:30-10:50 Phospholipase A2 regulates lipid homeostasis in the colon and systemic metabolism through host-microbiota interactions
Makoto Murakami, The University of Tokyo

10:50-11:00	Q&A
11:00-11:10	Break
11:10-11:30	Regulation of macrophage metabolism by amino acid transporters and its impact on disease pathogenesis. Noriko Toyama-Sorimachi , The University of Tokyo
11:30-11:40	Q&A
11:40-13:25	Lunch Break

SESSION 3: Cancer—Hepatitis, Nutrition, Metabolism and Immunology

Moderators:	TBD (US & Japan)
13:25-13:45	#9 (Hepatitis YI) Dr. Pil Soo Sung (Catholic University of Korea, Korea)
13:45-13:55	Q&A
13:55-14:15	#10 (Hepatitis) Dr. Raymond Chung (Harvard Medical College)
14:15-14:25	Q&A
14:25-14:45	#11 (Cancer YI) Hepatic Carcinogenesis and Immune Response Involving Gut microbial metabolites. Ryota Yamagishi (Osaka Metropolitan University)
14:45-14:55	Q&A
14:55-15:15	#12 (Cancer) “Liver Cancer in the Americas: Epidemiological Insights and Emerging Challenges” Christian Alvarez , NIH/NIMHD
15:15-15:25	Q&A
15:25-15:45	#13 (Immunology) “Mechanism of antibody affinity maturation during germinal center B cell positive selection” Takeshi Inoue (The University of Tokyo)
15:45-15:55	Q&A
15:55-16:15	#14 (Immunology)
16:15-16:25	Q&A
16:25-16:45	#15 (Metabolism) Insulin treatment increases the expression of antimicrobial peptides in the intestines of STAM mice, improving dysbiosis and suppressing the development of liver cancer. Kojiro Ueki (NCGM)
16:45-16:55	Q&A
16:55-17:15	#16 (Metabolism) Incretins, energy metabolism and beyond Daisuke Yabe (Kyoto University Graduate School of Medicine)

17:15-17:25 Q&A

17:25-17:35 Concluding remarks and group photo