

U.S.-Japan Cooperative Medical Sciences Program (USJCMSP)
25th International Conference on Emerging Infectious Diseases (EID) in the Pacific Rim
ARI Panel Meeting
June 25, 2026
Venue: Monash University
Sunway, Malaysia

Day 1

Thursday, June 25, 2026

- 09:30-09:40 **Opening remarks: ARI Chairs, Miki Nagao, Jeff Weiser**
- 9:40-10:40 **Session 1: Host Susceptibility and Disease Models**
Chair: Amy Ginsburg, Yasufumi Matsumura
Rapporter: Rina Hashimoto
- 9:40-10:10 **Sabra Klein**
Susceptibility to acute respiratory infections is written in your sex chromosomes
- 10:10-10:40 **Kazuo Takayama**
Establishment of an Organoid-Based Disease Model for Acute Respiratory Infection
- 10:40-11:10 **Jeffrey Weiser**
The Pneumococcus: Why a Commensal Misbehaves
- 11:10-11:40 **Bo Shopsin**
Quorum sensing tunes survival during Staphylococcus aureus infection
- 11:40-12:00 **Poster flash talks**
Yusuke Tsuda
Comparison of molecular characteristics of Burkholderia cepacia between human-derived and environmental strains
Rina Hashimoto
RS virus infection research using human lung organoids
Nur Alia Johari
16s rRNA-Based Taxonomic and Diversity Profiling of Nasal Microbiota in Companion Cats and Dogs attending a Veterinary Clinic in Klang Valley
- 12:00-13:00 **Group photo**

Lunch break
- 13:00-14:30 **Session 2: Antimicrobial Resistance – From Mechanisms to Global Epidemiology**
Chair: Bo Shopsin, Ryota Gomi
Rapporter: Yusuke Tsuda
- 13:00-13:30

Polly Yap
One Health Mapping of Environmental and Human Gut Antimicrobial Resistance in Malaysia

13:30-14:00 **Yasufumi Matsumura**
Molecular epidemiology and resistance mechanisms of clinical carbapenem-resistant Pseudomonas aeruginosa isolates in Japan

14:00-14:30 **Yohei Doi**
Deciphering the Convergence of Antimicrobial Resistance and Hypervirulence in Klebsiella pneumoniae: Insights from the e-ASIA Joint Research Program (DETAIL-KP)

14:30-14:45 **Coffee Break**

14:45-16:45 **Session 3: Modern technology for discovery and clinical usage**
Chair: Jeffrey Weiser, Yasufumi Matsumura
Rapporter: Xin-Xing Gu

14:45-15:15 **Joshua Weitz**
Quantitative modeling of phage-bacteria interactions and phage therapy

15:15-15:45 **Amy Ginsburg**
AI-Assisted Lung Ultrasound for Childhood Pneumonia Diagnosis and Management

15:45-16:15 **Hideyuki Shimizu**
Systematic AI-Driven Design of Antimicrobial Peptides Against Drug-Resistant Pathogens

16:15-16:45 **Deborah Hung**
Elucidating Host Mechanism to Clear Intracellular Infection

16:45-16:50 Closing remarks: ARI Chairs: **Miki Nagao, Jeff Weiser**

