U.S.-Japan Cooperative Medical Sciences Program (USJCMSP)
26th International Conference on Emerging Infectious Diseases (EID) in the Pacific Rim
June 23-26, 2026
Venue: Monash University Campus (TBC)
Sunway City, Malaysia

DRAFT AGENDA SUBJECT TO CHANGE

EID Plenary Day 1: 9am-5:10pm (registration 8am)
Tuesday, June 23, 2026

EID Plenary Day 2: 9am-6pm (registration 8am)
Wednesday, June 24, 2026

EID Closing and Panel Day 1

Thursday, June 25, 2026

8:30-9:00	**Registration**
9:00-9:25	**Outstanding Poster Award Announcement**
9:25-9:30	**PLENARY CLOSING REMARKS**

Concurrent USJCMSP Panel Meetings (Cholera, Immunology, Cancer)

9:30-12:00	**Cholera, Immunology, Cancer Concurrent Panel Meetings**
11:50-12:50	**Staggered Lunch Break**
	Mentoring Session and Matching at Cholera Panel Lunch Break; Open to any cholera attendees; current mentor-mentee pairs should attend; **Dr. Christine Marie George**, John Hopkins University.
12:50-13:50	**Cholera, Immunology, Cancer Concurrent Panel Meetings**
13:50-14:15	**Set up for Cholera Only Panel**
14:15-18:00	**Cholera Panel Meeting**

14:15-14:30 Introductions, Welcoming Remarks and Overview
Dr. Yukihiro Akeda, Chair, Japan Panel; **Dr. Edward T. Ryan**, Chair, US Panel; **Dr. Amir Zeituni**, NIAID/NIH Panel Secretariat

Epidemiology, disease burden: cholera, shigella, ETEC, other

Chair/Moderators: Dr. Tetsuya Iida, Japanese Cholera Panel**; Dr. Christine Marie George**, US Cholera Panel (12-13 min talk, 2 min logistic switches; session Q&A at session end)

14:30-14:45 José Paulo Langa. Instituto Nacional de Saúde. Mozambique. Cholera in Mozambique, 2013–2025: Understanding Transmission Across Time and Space Using Alternate Specimen Types

14:45-15:00 Carla N. Mavian, Stellenbosch University, South Africa. Migratory birds link estuarine and global transmission networks of *Vibrio* spp**.**

15:00-15:15 Md Mamun Monir, icddrb, Bangladesh. Evolutionary events of *Vibrio cholerae* O1 El Tor strains and climatic factors in Driving Cholera Surges in Dhaka city, 1996-2024

15:15-15:30 Ashraful Islam Khan, icddrb, Bangladesh. Climate variability and the epidemiology of shigellosis in urban Dhaka, Bangladesh: evidence from two decades of surveillance

15:30-15:40 Session Q&A

15:45-16:00 Lightning talks x3. 2 slides max (please include your poster number), communicating the main finding; 3 minutes each speaker; speakers pre-load before session to central computer; speakers queue at initiation of lightning talks; no direct questions but questions at tea breaks; full data available at Poster.

Akinsinde Kehinde Adewale. Nigerian Institute of Medical Research. Simplified Detection of Toxigenic *V. cholerae* O1 from Environmental Water in Lagos, Nigeria

Amanda Debes or **David Sack**. Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, USA. Cholera Rapid Tests can be used reliably in Nepal - an area with low prevalence

Nobuhide Kobayashi. Department of Bacteriology, Graduate school of Medical Sciences, Kanazawa University, Japan. Defense mechanisms against *Clostridium botulinum* infection by intestinal microbiota.

16:00-16:25 Tea Break

Pathogenesis, virulence, genomics, bacteriology
Chair: Dr. Shinji Yamasaki, Japanese Cholera Panel**; Dr. Andrew Camilli,** US Cholera Panel (12-13 min talk, 2 min logistic switches; session Q&A at session end)

16:25-16:40 Jun Xu, University of Ryukus. Light-activated cAMP signaling controls sodium-driven motility in *Vibrio cholerae*

16:40-16:55 James E. Bina, University of Pittsburgh School of Medicine, RND-mediated efflux link antimicrobial resistance and hypervirulence in contemporary *Vibrio cholerae*

16:55-17:10 Marzia Sultana, icddrb, Bangladesh. Responses of *Vibrio cholerae* to stresses in aquatic environment

17:10-17:25 Andre Pratamaa, The University of Osaka, Regulatory role of a PAI-encoded c-di-GMP phosphodiesterase in *Vibrio parahaemolyticus*

17:25-17:40 Jayedul Hassan, Bangladesh Agricultural University, PipA: a novel T3SS effector in *Providencia alcalifaciens* contributing to invasiveness and diarrheagenicity

17:40-17:55 Muhammad Syarif Utama, Tottori University, Japan. Real-Time Monitoring of Shiga Toxin-Induced Circadian Disruption Using Bioluminescence Reporter System

17:55-18:10 Shigeaki Matsuda, Tan Paramita Wibowo Sutanto, The University of Osaka, TsrA modulates type III secretion system 2 expression as a co-regulator of H-NS in *Vibrio parahaemolyticus*

18:10-18:20 Session Q&A

18:20-18:20 Lightning talks x5: 2 slides max (please include your poster number), communicating the main finding; 3 minutes each speaker; speakers pre-load before session to central computer; speakers queue at initiation of lightning talks; no direct questions but questions at tea breaks; full data available at Poster.

Mamatha Ballal, Manipal Academy of Higher Education, India**.** Emergence of Levofloxacin Resistance and Novel Genetic Mutations in *Helicobacter pylori*: A Study from the Indian Subcontinent

Goutam Chowdhury. National Institute for Research in Bacterial Infections. India. The Rising Tide of Drug Resistance: Dissecting the Genome of *Aeromonas* from Diarrheal Patients in Kolkata, India

Chonchanok Muangnapoh. Chulalongkorn University, Bangkok. Thailand. Genetic Mobility and Inter-species Dissemination of the Quinolone Resistance Gene qnrC in *Vibrio parahaemolyticus*

G. B. Manjunath, Osaka Metropolitan University, Japan. Differential targeting of *Vibrio cholerae* virulence regulatory genes by distinct spice-derived bioactive molecules leads to cholera toxin suppression

Ranjan Kumar Nandy, ICMR-National Institute for Research in Bacterial Infections (ICMR-NIRBI), Kolkata, India. Loop-Mediated Isothermal Amplification (LAMP) Assay for Culture-Independent Detection of *Vibrio cholerae* O1 from Stool Specimens of Hospitalized Cholera Patients

18:20 Closing daily remarks and Cholera Panel Group Photo

Evening: Cholera Networking Reception TBD

Panel Day 2
Friday, June 26, 2026
Cholera USJCMSP Panel Meeting

Cholera and Enteric control
Chair: Dr. Yukihiro Akeda, Japanese Cholera Panel**; Dr. Firdausi Qadri**, US Cholera Panel (12-13 min talk, 2 min logistic switches; session Q&A at session end)

8:30-8:45 Firdausi Qadri, icddrb, Bangladesh**.** Ending cholera 2030: the Bangladesh story using OCV with affordable and culturally acceptable WASH

8:45-9:00 Fahima Chowdhury, icddrb, Bangladesh. Single-dose Chemoprophylaxis of Azithromycin in child contacts of cholera patients can reduce *V. cholerae* at the household level

9:00-9:15 Kelly Endres, Johns Hopkins University, Evidence-informed Climate Resilient Water Treatment and Hygiene Mobile Messaging to Reduce Cholera Outbreaks in the Democratic Republic of the Congo

9:15-9:30 Christine Marie George, Johns Hopkins University. Assessing the Impact of the WASHmobile Program in the Democratic Republic of the Congo on Typhoidal Salmonella Seroincidence: A Randomized Controlled Trial

9:30-9:45 Md Taufiqul Islam, icddrb, Bangladesh. Indirect protection of single-dose oral cholera vaccine: evidence from an individually randomized trial in Dhaka, Bangladesh

9:45-10:00 David A. Sack, Johns Hopkins Bloomberg School of Public Health. Monitoring Cholera Transmission in Zambia Using the Cholera Elimination Scorecard

10:00-10:10 Session Q&A

10:10-10:25 Lightning talks x4: 2 slides max (please include your poster number), communicating the main finding; 3 minutes each speaker; speakers pre-load before session to central computer; speakers queue at initiation of lightning talks; no direct questions but questions at tea breaks; full data available at Poster.

Yeonji Jeon, International Vaccine Institute, Korea. Controlled Temperature Chain for Oral Cholera Vaccine: Voices from Frontline Immunization Officers in Zambia

Saemna Park. International Vaccine Institute, Korea. Heterogeneous Household WASH and Socio-Economic Conditions in Urban and Rural Settings of Mozambique: Implications for Targeted Cholera Prevention

Presence Sanvura. Université Catholique de Bukavu, DRC. Serologic Responses to Vibrio cholerae to Assess the Impact of the WASHmobile Program in the Democratic Republic of the Congo: A Randomized Controlled Trial

Jean-Claude Bisimwa. Université Catholique de Bukavu, DRC. Program Evaluation of the WASHmobile PICHA7 mHealth and Chlorine E-Voucher Program in the Democratic Republic of the Congo.

(12-13 min talk, 2 min logistic switches; session Q&A at session end)
10:25-10:40 Elizabeth Lee, University of Geneva. Characterizing the global burden of cholera from 2021-2024

10:40-10:55 Andrew S. Azman, University of Geneva. Impact of mass oral cholera vaccination in an endemic area of the Democratic Republic of the Congo

10:55-11am Q&A

11am-Noon Early Lunch (based on Caterer Availability)

(12-13 min talk, 2 min logistic switches; session Q&A at session end)

12:00-12:15 Amanda K. Debes. Johns Hopkins University Bloomberg School of Public Health. Redefining Feasibility in Diarrheal Surveillance: Long-Term Nucleic Acid Stability with Simple, Low-Cost Stool Preservation

12:15-12:30 Sonia T. Hegde. Johns Hopkins University Bloomberg School of Public Health. Reduced culture sensitivity among children with cholera and its implications

12:30-12:45 Guissimon Phiri or **Shiferaw Tesfaye Tilahun.** International Vaccine Institute. Korea. Controlled Temperature Chain (CTC) versus Standard Cold Chain (SCC) for Oral Cholera Vaccine (OCV) Delivery: Programmatic Efficiency from a Large-scale Vaccination Campaign in Zambia

12:45-12:55 Session Q&A

12:55-13:10 Lightning talks x4: 2 slides max (please include your poster number), communicating the main finding; 3 minutes each speaker; speakers pre-load before session to central computer; speakers queue at initiation of lightning talks; no direct questions but questions at tea breaks; full data available at Poster.

Cecilia Mbae, Kenya Medical Research Institute. Molecular Profiling of Enteric Pathogens and AMR Signatures in Children with Acute Diarrhea in an Urban Informal Settlement in Kenya

Fatema Zohura. Research, Training and Management International, Bangladesh. Formative Research for Adapting a WASH Mobile–Based CHoBI7 Intervention for Case-Area Targeted Intervention (CATI) for Cholera Control in Urban Bangladesh

Suman Kanungo. ICMR - National Institute for Research in Bacterial Infections (ICMR-NIRBI), Kolkata, India. Mass Oral Cholera Vaccination campaign through routine health Infrastructure: Evidence from India

Shruti Chatterjee. Nirma University, India. Attenuation of virulence in Multidrug-Resistant Vibrio cholerae by Chlorella variabilis lipids: Implications for microalgal formulation development

Immunology-Cholera, Shigella, Typhoid, ETEC

Chair/Moderators: Dr. Jiro Mitobe, Japanese-Cholera Panel**; Dr. Shahida Baqar**, NIAID, NIH, USA; (12-13 min talk, 2 min logistic switches; session Q&A at session end)

13:10-13:25 Pinki Dash, icddrb, Bangladesh. Assessment of mucosal immunity to O-specific polysaccharide in patients naturally infected with *Vibrio cholerae* O1

13:25-13:40 Edward T. Ryan. Massachusetts General Hospital-Harvard. Human antibody targeting *Vibrio cholerae* O1 O-specific polysaccharide (OSP) induces an amotile hypovirulent bacterial phenotype: mechanism of protection against cholera

13:40-13:55 James M. Fleckenstein, Washington University School of Medicine. Human enterotoxigenic *Escherichia coli* (ETEC) infections elicit antibodies that broadly neutralize MUC2 mucinases of pathogenic *E. coli* and *Shigella*

13:55-14:10 Farhana Khanam, icddrb, Bangladesh. Natural Typhoid Infection Does Not Confer Durable Protection Against Recurrent Disease: Evidence from a Large Longitudinal Cohort in Urban Bangladesh**.**

14:10-14:30 Tea Break

14:30-14:45 Subhra Chakraborty. Johns Hopkins University. Influence of Gut Microbiota on Immune Responses and Protection in Volunteers Receiving the Live Attenuated Oral ETEC Vaccine ACE257 and Virulent ETEC H10407 Challenge

14:45-15:00 Taufiqur Rahman Bhuiyan, icddrb, Bangladesh. OSP and ipaB-specific immune responses to *Shigella flexneri* 2a patients in Bangladesh

15:00-15:15 Diganta Islam, icddrb, Bangladesh, Correlation of Immunological Profiles and EED Biomarkers with Growth Deficiencies in Less Than 5 Years Old Children Infected with *Shigella flexneri* 2a

15:15-15:30 A.L. Bourgeois, Johns Hopkins Bloomberg School of Public Health. Double Mutant Labile Toxin Can Improve the Immune Responses to Orally Administered Vaccines against Enteric Pathogens

15:30-15:45 Session Q&A

15:45-16:00 Lightning talks x5: 2 slides max (please include your poster number), communicating the main finding; 3 minutes each speaker; speakers pre-load before session to central computer; speakers queue at initiation of lightning talks; no direct questions but questions at tea breaks; full data available at Poster.

Noritoshi Hatanaka, Osaka Metropolitan University. Japan. Evaluation of bactericidal efficacy of chlorine-based disinfectants against Campylobacter by PMA-ddPCR.

Sawitree Dueramae. Prince of Songkla University, Thailand. BioShield LAB: Development of an Indigenous Bacteriocin-Producing *Limosilactobacillus fermentum* Starter Culture to Control Enteric Pathogens in Fermented Rice Noodles

Asish Mukhopadhyay, National Institute of Research in Bacterial Infections (NIRBI), Kolkata, India. From Plate to Pathogen: Unveiling the First Genomic Evidence of Foodborne Transmission of Multidrug-Resistant Salmonella Typhi in Northeast India

Passaraporn Yong-una, Prince of Songkla University, Thailand. Whole-genome characterization of ST228–SCCmec I–spa t001 hospital-associated MRSA PSU20 identifies multiple staphylococcal enterotoxin genes conferring food poisoning potential

Karshini Jeya Pirathaba. Department of Parasitology, Faculty of Medicine, University of Malaya, Kuala Lumpur, Malaysia. Differential Effects of Pathogenic and Non-Pathogenic *Acanthamoeba castellanii* on Biofilm and Capsule Dynamics in *Klebsiella pneumoniae*

<u>Immunology, Control, Pathogenesis: Shigella, Salmonella, Campylobacter, ETEC,Other</u>
Chairs/Moderators: Dr. Toshio Kodama, Japanese Cholera Panel**; Dr. Firdausi Qadri** or **Dr. Shelley Payne,** US Cholera Panel

(12-13 min talk, 2 min logistic switches; session Q&A at session end)

16:00-16:15 Caroline C. Chisenga, Centre for Infectious Disease Research in Zambia, Statistical Modelling of Waning Immunity After Shanchol™ Vaccination: A Prospective Cohort Study

16:15-16:30 Hirotaka Hiyoshi, Nagasaki University, Comprehensive transcriptomic approaches identify unique neutrophil subsets as a niche for *Salmonella* systemic infection.

16:30-16:50 Tea Break

16:50-17:05 Farah Naz Qamar, Aga Khan University, Pakistan. Establishing Human Challenge Model in an endemic Low- and Middle-Income Country: Ethical Lessons from the First In-country **experience**

17:05-17:20 Weiping Zhang. University of Illinois. Development of a broadly immunogenic multivalent subunit vaccine against Campylobacter

17:20-17:35 Afroza Akter, icddrb, Bangladesh. Community Burden of Asymptomatic Enterotoxigenic *Escherichia coli* (ETEC) in an Urban Dhaka, Bangladesh

17:35-17:50 Takaaki Shimohata, Tokushima University, Survival of *Campylobacter jejuni* in the environment using *Acanthamoeba polyphaga*

17:50-18:05 Santasabuj Das, National Institute of Research in Bacterial Infections (NIRBI), Kolkata, India. Decoding Salmonella Typhi Persistence: L-form DNA methylation and ppGpp-regulated Biofilm formation.

18:05-18:15 Session Q&A

18:15-18:25 Lightning talks TBD: 2 slides max (please include your poster number), communicating the main finding; 3 minutes each speaker; speakers pre-load before session to central computer; speakers queue at initiation of lightning talks; no direct questions but questions at tea breaks; full data available at Poster.

Patrick Jeremiah Mwaura, KAVI Institute of Clinical Research, Kenya. Introduction and use of assays to detect antigen-specific memory B cell and Beta7 mucosal immune responses following cholera vaccination in Nairobi, Kenya.

Poster: Amanda Debes-JHU/Patrick Musicha, Malawi Liverpool Wellcome Research Programme. Environmental Surveillance Using Historical Samples to Map Vibrio cholerae Circulation During Malawi's Cholera Outbreak

18:30-Closing remarks: Dr. Yukihiro Akeda, Chair Japan Panel; **Dr. Edward T. Ryan**, Chair, US Panel; **Dr. Amir Zeituni**, NIAID/NIH