

9th International Symposium on Infectious Diseases and Vaccine

 **August 21–22, 2026**

 **Singapore**

★
**CPD
POINTS
AVAILABLE**

SCIENTIFIC PROGRAM

International Conference

DAY-1 (AUGUST 21, 2026)

09:00-09:30

Registrations & Opening Remarks

Technical Session - I

09:30-09:55

Title: CRISPR Cas9 Gene Editing for Sickle Cell Disease

Dr. Jennifer Domm, Sarah Cannon Pediatric Hematology, United States



09:55-10:20

Title: SYN023 mAb Cocktail for Rabies Prophylaxis

Dr. Eric I Tsao, Synermore Biologics, China



10:20-10:45

Title: A Coupled Infection-ROS-Quantum Emission Model for Ultraweak Photon Emission in Infectious Disease Dynamics

Dr. Horace Crogman, California State University Dominguez Hills, United States



10:45-11:15 Networking Break + Group Photo

11:15-11:40

Title: Hha toxin regulates diverse phenotypes of uropathogenic *Proteus mirabilis*

Dr. Shwu-Jen Liaw, National Taiwan University, Taiwan



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Day 01
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11:40-12:05

Title: Combination Treatment with Synthetic gRNA/Cas12a and gRNA/Cas9 Ribonucleoproteins Disrupts HIV Replication and Expression
Prof. Zhi Q. Yao, East Tennessee State University College of Medicine, United States



12:05-12:30

Title: Robust immunogenicity and protection efficacy of a microneedle patch-based Flu-RSV combination vaccine fabricated using partition-loading strategy
Dr. Bin Wang, Advaccine Biotechnology Co., Ltd., China



12:30-12:55

Title: COVID-19 Vaccine Acceptance, Knowledge, Attitudes and Socio-Demographic Factors of General Population: A Mixed-Methods Study
Prof. M. J. Kumari, Jawaharlal Institute of Postgraduate Medical Education & Research (JIPMER), India



12:55-13:00

Title: Near-Infrared Regulated Engineered EcN System for Gut-Brain Axis Modulation and Anxiety Therapy
Dr. Xuejun Wang, Jinan Microecological Biomedicine Shandong Laboratory, China



13:00-13:05

Title: AI-Assisted Design of Tough and Antioxidant Polysaccharide Fiber Materials
Dr. Wang Liping, Jiangnan University, China



Lunch (13:05-14:00)

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Day 01
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Technical Session - II

14:00-14:25

Title: Hepatitis E Virus Infection: Circulation, Molecular Epidemiology, and Impact on Global Health

Dr. James Wai Kuo Shih, Xiamen Innovax Biotech CO. Ltd, China



14:25-14:50

Title: Waka Ama as a Maori Public Health Intervention for Wahine Hauora
Mrs. Kay Berryman, Waikato University, New Zealand



14:50-15:15

Title: Expanded Glycan Recognition Shapes Tissue Tropism and Zoonotic Risk of Clade 2.3.4.4b H5Ny Avian Influenza Viruses

Prof. Hao Song, Beijing Ditan Hospital Capital Medical University, China



15:15-15:40

Title: Molecular Characterization of Wolbachia Endosymbionts and their association with Canine Dirofilariosis in Colombo District, Sri Lanka

Dr. Koshila Ranasinghe, Faculty of Science, University of Kelaniya, Sri Lanka



Refreshment Break (15:40-16:00)

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Day 01
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16:00-16:25

Title: Detection Limits of PaRTI-SeqTM in Host-Depleted Blood: A Biological Perspective Using Mycobacterium Smegmatis

Ms. Shivadarshini Ramachandran, Northumbria University, Singapore



16:25-16:50



Title: General Anesthesia in Patient with Hutchinson-Gilford Progeria Syndrome: Two Case Reports of Dental Treatment in the One Patient

Dr. Maksym Synytsyn, Clinical Hospital Feofania, Ukraine

16:50-17:15

Title: A Multifunctional Anti-Influenza Peptide Targeting Viral Fusion and Nucleoprotein

Prof. Hanjun Zhao, Fudan University, China



17:15-17:40



Title: Functional Versus Structural Renal Outcomes of SGLT2 Inhibitors in Autosomal Dominant Polycystic Kidney Disease: A Systematic Review of Preclinical and Clinical Evidence

Mrs. Faiza Naeem, Universiti Sains Malaysia, Malaysia

17:40-17:50

Title: KGN-Loaded Polysaccharide Hydrogel Promotes Cartilage Protection and Repair in Post-Traumatic Osteoarthritis

Dr. Wang Liping, Jiangnan University, China



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Day 01
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17:50-18:15

Title: Gut metagenomes of Asian octogenarians reveal microbial species promoting healthy aging

Dr. Aarthi Ravikrishnan, A*STAR Skin Research Labs, Singapore



Day-01 Concludes

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DAY-2 (AUGUST 22, 2026)

Technical Session - I

09:00-09:25

Title: Defining the Targets and Protective Functions of Malaria Immunity to Design Next Generation Vaccines

Dr. James-Beeson, Burnet Institute, Australia



09:25-09:35 (E-POSTER)



Title: Association between Obstructive Sleep Apnea and Cardiovascular Event Risk: A 5-Year Prospective Cohort Study Based on a Single-Center Health Examination Population

Dr. Hang Yang, Chinese People's Liberation Army Ground Force, China

09:35-09:45 (E-POSTER)

Title: High-Intensity Interval Training Improves Functional Exercise Capacity and Ventilatory Efficiency in Moderate-to-Severe COPD

Dr. ShuMin Jiang, Chinese People's Liberation Army Ground Force, China



09:45-10:10



Title: Assessing the Impact of COVID-19 Vaccines on Sickle Cell Anaemia Patients

Dr. Jehad A. Aldali, Imam Mohammad Ibn Saud Islamic University (IMSIU), Saudi Arabia

10:10-10:35

Title: Immunological response of using emulsifying elongation factor 1 alpha of Plasmodium falciparum-based vaccines in complete Freund's adjuvant

Prof. Seon-Ju Yeo, Seoul National University, South-Korea



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10:35-11:00

Title: Innate and adaptive immune responses in Hepatitis C virus infections
Dr. Yutaka Kishida, Osaka Kaisei Hospital, Japan

11:00-11:25

Title:Recent advances in engineering in vitro-assembled beak and feather disease virus-like particles encapsulated with biomolecules and its application
Prof. Chi-Young Wang, National Chung Hsing University, Taiwan



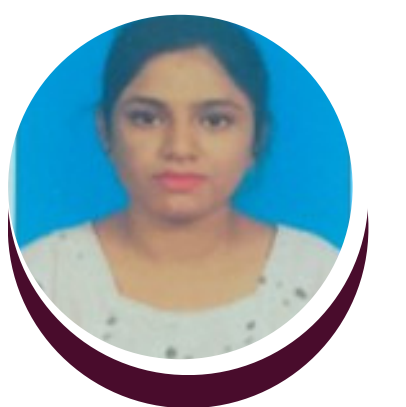
11:25-11:50



Title: *Vibrio cholerae* Non-O1, Non-O139 Identified in Bacteremic Skin Infection Patient with Multiple Skin Necrosis
Dr. Ibrahim Alhabib, Imam Abdulrahman Bin Faisal University, Saudi Arabia

11:50-12:15

Title: Assessing the Impact of COVID-19 Vaccines on Sickle Cell Anaemia Patients
Ms. Poulami Mukherjee, SRM Medical College Hospital and Research Centre, India



12:15-12:40

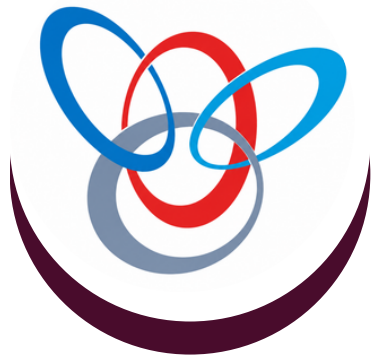


Title: Principles and Standards for Managing Integration and Comprehensive Interoperability in Intelligent and Ethical Transformed Health Ecosystems
Dr. Bernd Blobel, University of Regensburg, Germany

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Day 02
August 22, 2026



12:40-13:05

Title: Preventing the spread of germs when emptying urine drainage bags in home care

Dr. Uwe Ernsberger, Max Planck Institute for Brain Research, Germany

13:05-13:30

Title: The use of angiotensin-converting enzyme inhibitors in hospitalised patients with COVID-19 is associated with a lower risk of mortality
Dr. Mykola Khalangot, Infectious Diseases Hospital, Kostiantynivka, Ukraine



13:30-13:55



Title: Monosaccharide Profiling of Lipopolysaccharide A Novel Approach for Identification of Antigenically Similar Leptospira and Its One Health Implications

Dr. Aleksandra Lewicka, University of Agriculture in Krakow, Poland

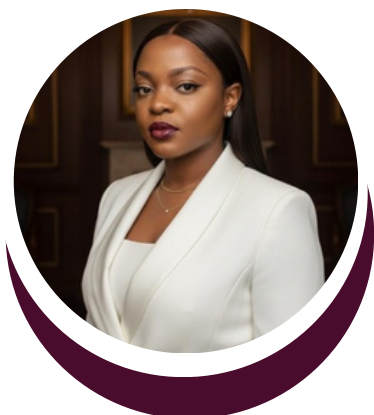
13:55-14:20

Title: Peptidylarginine deiminase: a virulence factor of *P. ingivalis* and a candidate target to antimicrobial therapy of periodontitis

Dr. Katarzyna Gawron, Medical University of Silesia in Katowice, Poland



14:20-14:45



Title: The Role of Digital Health Tools in Bridging Health Inequality Gaps Among Vulnerable Women in Africa: A Scoping Review

Dr. Grace Hicks, Liverpool John Moores University|UNICAF, UK

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Day 02
August 22, 2026



14:45-15:10

Title: Overcoming the intractable HIV latency for virus elimination through sustained autologous immune responses

Prof. Prasad.S. Koka, Biomedical Research Institute of Southern California, United States

15:10-15:35

Title: A universal vaccine for cancer and infectious diseases

Prof. Eli Gilboa, University of Miami School of Medicine, United States



Day-02 Concludes

WE WISH TO SEE YOU AGAIN AT

INTERNATIONAL SYMPOSIUM ON PUBLIC HEALTH

October 29-30 | Orlando, USA



Contact Us: director@unitedforum.uk