

International Symposium on Recent Advances in Microbiology

 **August 21–22, 2026**

 **Singapore**

★
**CPD
POINTS
AVAILABLE**

RAM-2026

August 21-22 | Singapore

ISBN: 978-1-917892-45-2

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



SCIENTIFIC PROGRAM

International Conference

Day 01
August 21, 2026

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)

SCIENTIFIC PROGRAM

International Conference

Day 01
August 21, 2026

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)

SCIENTIFIC PROGRAM

International Conference

Day 01
August 21, 2026

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



SCIENTIFIC PROGRAM

International Conference

Day 01
August 21, 2026

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

SCIENTIFIC PROGRAM

International Conference

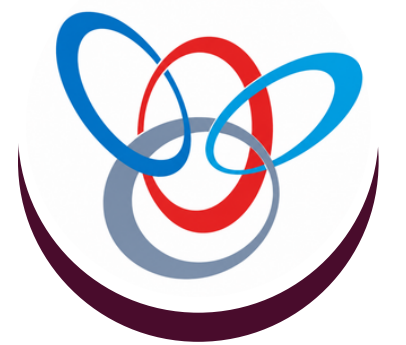
DAY-2 (AUGUST 22, 2026)

Technical Session - I

09:00-09:25

Title: TBA

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



SCIENTIFIC PROGRAM

International Conference

Day 02
August 22, 2026



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, China



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

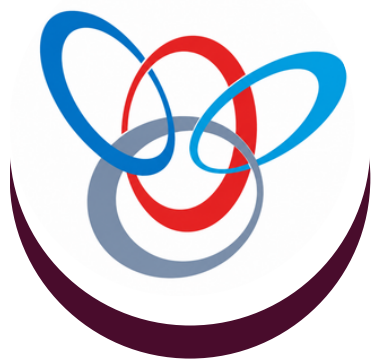


Title: Principles and Standards for Managing Integration and Comprehensive Interoperability in Intelligent and Ethical Transformed Health Ecosystems
Dr. Bernd Blobel, University of Regensburg, Germany

SCIENTIFIC PROGRAM

International Conference

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

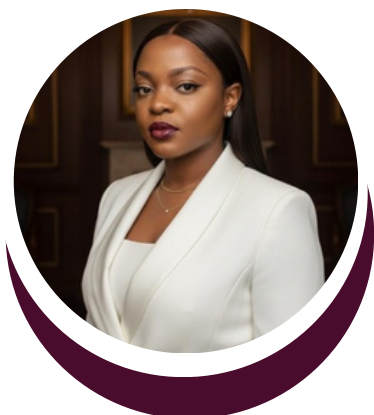
13:55-14:20

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

SCIENTIFIC PROGRAM

International Conference

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