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19 November 2024, Tuesday - Day 1		
Time/Location	*Peridot 201 - 203*	*Peridot 205 - 206*
0800 Onwards	Registration	
0845 - 0900	**Welcome Address**	
0900 - 1000	**Keynote 1: Pandemic Preparedness** Prof Peiris, Joseph Sriyal Malik, The University of Hong Kong, Hong Kong SAR *Peridot 201 - 203*	
1010 - 1120	**Symposium 1: Emerging and Zoonotic Infections**	**Symposium 2: Influenza and Other Respiratory Viruses 1**
1010 - 1040	**Can We Development A "Dream" Vaccine Against Coronaviruses?** Prof Linfa Wang, Duke-NUS Medical School, Singapore	**Long COVID: Epidemiology, Pathogenesis and Treatment** Prof David Lye Chien Boon, National Centre for Infectious Diseases, Singapore
1040 - 1050	**Are Antigen-Specific Vaccines Sufficient to Prevent Future Pandemics?** Dr Tan Chee Wah, National University of Singapore, Singapore	**Seasonal Influenza Vaccination for Children: A Cost-Effectiveness Analysis of Cell-Based versus Egg-Based Influenza Vaccine in Taiwan** Dr Chia-Yu Chi, National Health Research Institutes, Taiwan
1050 - 1100	**Genetic Dissection of Virus-Host Interactions in Bat Cells** Dr Kam Leng Aw Yong, Duke-NUS Medical School, Singapore	
1100 - 1110	**Severe Fever with Thrombocytopenia Syndrome (SFTS) Virus Infection: A Life-threatening Infection in Asia, A Perspective from Japan** Prof Takeshi Tanaka, Nagasaki University Hospital, Japan	**Enhanced Virulence and Pathogenicity of Influenza B/Victoria Virus by Combined Haemagglutinin Mutations in Mice** Giselle GK Ng, Duke-NUS Medical School, Singapore
1110 - 1120	*Abstract Talk 3*	*Abstract Talk 4*
1120 - 1140	Coffee/Tea break, Exhibition & Posters viewing	
1140 - 1250	**Symposium 3: Influenza and Other Respiratory Viruses 2**	**Symposium 4: Viral Diagnostic**
1140 - 1210	***Talk Title TBC*** Prof Erik Karlsson, Institut Pasteur du Cambodge, Cambodia	**Using AI/ML Approaches to Predict the Outcome of Infection in Ebola Virus and SARS-CoV-2 and Future Viral Evolution to Better Inform Medical Countermeasures** Prof Julian A. Hiscox, University of Liverpool, United Kingdom
1210 - 1220	**Identification of Residues in MERS-CoV Spike Receptor Binding Domain Implicated in Viral Entry and Immune Evasion** Rachael Dempsey, University of Liverpool, United Kingdom	**Evaluation and Comparison of Three High Throughput Assays (Abbott Alinity M, Hologic Aptima CMV Quant and Roche Cobas) for Quantifying CMV DNA in Plasma Samples** Jodie D'Costa, Victorian Infectious Diseases Reference Laboratory at the Peter Doherty Institute for Infection and Immunity, Australia
1220 - 1230	**Human Parainfluenza Virus 3 Infection Elicits a Glycolytic Shift and Inflammatory Response in Human Nasal Epithelial Ciliated and Goblet Cells** Dr Alan Hsu, Duke-NUS Medical School, Singapore	**The Utility of Non-Molecular Diagnostic Tests for Common Herpesviruses in the Clinical Setting, A Tertiary Hospital Lab's Perspective in Singapore** Dr Wan Wei Yee, SingHealth, Singapore
1230 - 1240	**Epithelial Responses to H5N1 Influenza Infection in An Influenza Airway Infection Model** Dr Tan Kai Sen, National University of Singapore, Singapore	**An Integrated Droplet Microfluidic Platform Capable of High-Throughput Functional Mab Screening** Ajayanandan Yadunan, A*STAR Infectious Diseases Labs, Singapore
1240 - 1250	**High-Yield Novel Chimeric Seasonal Influenza Virus-Like Particles (VLPs) Induced Potent Immune Responses and Protected Mice from Lethal Virus Challenges** A T M Badruzzaman, National Health Research Institutes (NHRI) and National Central University (NCU), Taiwan	**Structural and Functional Insights of Dengue Virus Non-Structural Protein 1 (NS1) in Disease Pathogenesis** Chan Wing Ki Kitti, Duke-NUS Medical School, Singapore
1250 - 1415	Lunch, Exhibition & Posters viewing	
1415 - 1525	**Symposium 5: Enteroviruses**	**Symposium 6: Transformative Technologies in Virus Research 1**
1415 - 1445	**Serological Perspectives on HFMD Vaccine Strategy: A Population-Based Study of EV-A71 and CVA16 in Chinese Children** Prof Hongjie Yu, Fudan University, China	**Potential Applications of Extracellular Vesicles as Anti-viral Agents and Carriers of Anti-viral Antisense Oligonucleotides** Dr Le Thi Nguyet Minh, National University of Singapore, Singapore
1445 - 1455 1455 - 1505	**Enterovirus A71 and Coxsackievirus A16: Epidemiology, Pathogenesis, and Vaccine Development** Prof Yoke-Fun Chan, Universiti Malaya, Malaysia	**Unraveling the Dynamics of Dengue: Integrating Antibody Profiling and Machine Learning for Enhanced Diagnosis and Severity Prediction** Dr Tzong-Shiann Ho, National Cheng Kung University, Taiwan
1505 - 1515	**Enterovirus A71 2A-S125A Serves as a Potential Candidate for an Attenuated Vaccine, Highlighting a Global Strategy in Enterovirus Vaccine Development** Prof Yihong Peng, Peking University, China	**Understanding the Enhanced Immune Responses to High-Density Microarray Patch Vaccination through Spatial Transcriptomics and Antibody Repertoire Analysis** A/Prof David Muller, University of Queensland, Australia
1515 - 1525	*Abstract Talk 2*	**Utilising Experimental Human Dengue Virus Infection Models to Advance Vaccine Development** Prof Stephen Thomas, SUNY Upstate Medical University, United States
1525 - 1600	Coffee/Tea break, Exhibition & Posters viewing	
1600 - 1700	**Keynote 2: Emerging Infections** Prof Zhengli Shi, Wuhan Institute of Virology, China *Peridot 201 - 203*	

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20 November 2024, Wednesday - Day 2		
Time/Location	*Peridot 201 - 203*	*Peridot 205 - 206*
0830 Onwards	Registration	
0900 - 1000	**Keynote 3: Virus Surveillance and Public Health Intervention** Prof Leo Yee Sin, National Centre for Infectious Diseases, Singapore *Peridot 201 - 203*	
1010 - 1120	**Symposium 7: Innovations in Vaccine Research 1**	**Symposium 8: Viral Pathogenesis**
1010 - 1040	**COVID-19 Vaccines: Timing, Protection and Off-target Effects** Prof Stephen Kent, University of Melbourne, Australia	**Role of Internal Ribosomal Entry Site-Driven Translation on Neurovirulence of Picornaviruses** Prof Shin-Ru Shih, Chang Gung University, Taiwan
1040 - 1050	**Systems Vaccinology of the BNT162b2 mRNA Vaccination in Healthy and Type 1 Diabetes Teenagers** A/Prof Ching-Fen Shen, National Cheng Kung University, Taiwan	**Overlying Particle Deposition Patterns onto Viral Receptor Distributions May Indicate Potential Spectrum of Clinical Disease Severity for Novel Airborne Respiratory Virus Infections** Dr Julian Wei-Tze Tang, University Hospitals of Leicester NHS Trust, United Kingdom
1050 - 1100		**Cross-Species Evolution of IFITM3 Antiviral Function** Dr Aaron Irving, Zhejiang University School of Medicine, China
1100 - 1110	**Development of A Safe and Efficient Self-Amplifying RNA Vaccine** Thomas Vallet, A*STAR/Infectious Diseases Labs, Singapore	**SARS-CoV-2 ORF3a and Exosomes Mediate Distal Organ Dysfunction in COVID-19** Dr Liang Qiming, Shanghai Jiao Tong University School of Medicine, China
1110 - 1120	**A Novel Self-Amplifying RNA Vaccine Vector based on Rubella Virus for RNA Vaccine Development against Infectious Diseases and Cancers** Jing Miao, Nanyang Technological University, Singapore	**Mechanical Transmission of Dengue Virus by Aedes Aegypti May Influence Disease Transmission Dynamics** Dr Chen Chun-Hong, National Health Research Institutes, Taiwan
1120 - 1140	Coffee/Tea break, Exhibition & Posters viewing	
1140 - 1250	**Symposium 9: Innovations in Vaccine Research 2**	**Symposium 10: Blood Borne Viruses**
1140 - 1210	**Human Antibody Response to SARS-CoV-1 and SARS-CoV-2: Implication for the Development of Next-Generation Antibody Drugs and Vaccines** Prof Zhang Linqi, Tsinghua University, China	***Talk Title TBC*** Prof Dato' Dr Adeeba Kamarulzaman, Monash University Malaysia, Malaysia
1210 - 1220	**Effector Memory T Cells Induced After Prime/Boost Vaccination with Cytomegalovirus Vectors Against Conserved Influenza A Virus Antigens Protect Cynomolgus Macaques from Lethal, Aerosolised, Heterologous Challenge** Dr Daniel Malouli, Oregon Health & Science University, United States	**Activation of BMP Signaling is Essential for Efficient Hepatitis B Virus Replication and Leads to Association of Smad1/5 With Viral cccDNA Minichromosome in the Nucleus** Prof Tan Yee Joo, National University of Singapore, Singapore
1220 - 1230	**Evaluation of Dengue Immunity of Subjects in Singapore 5 Years Post-Third Dose of Dengvaxia Vaccine Using FcVR-Expressing Cells** A/Prof Helen Oh, Chang General Hospital, Singapore	**PRMT3, A Novel Target for Anti-HIV-1 Infections** A/Prof Yu Dan, Beijing Children's Hospital, China
1230 - 1240	**A Dendritic Cell-Targeting Approach to Deliver A Universal Influenza Vaccine Candidate to The Respiratory Mucosa** Daryl Lee, National University of Singapore, Singapore	**Anti-HIV/HBV Drug Discovery: Our Exploration and Progress** Prof Peng Zhan, Shandong University, China
1240 - 1250	**Next-Generation Vaccines: Genome Recoded Zika virus Live Attenuated Vaccine Induces Sterilising Immunity and Maternal-Fetal Protection** Aw Zhen Qin, National University of Singapore, Singapore	*Abstract Talk 4*
1250 - 1415	Lunch, Exhibition & Posters viewing	
1415 - 1525	**Symposium 11: Prevention and Control of Viral Infections**	**Symposium 12: Transformative Technologies in Virus Research 2**
1415 - 1445	**Future-Proofing Pandemic Response: Bridging Scientific Gaps with Mucosal Vaccines and Lessons from a Live Attenuated COVID-19 Vaccine** Prof Suresh Mahalingam, Griffith University, Australia	***Talk Title TBC*** Prof Marco Vignuzzi, A*STAR Infectious Diseases Lab, Singapore
1445 - 1455	**Glycyrrhizic Acid Methyl Ester Conjugates Target the Main Protease, Demonstrating Antiviral Efficacy Against Wild-Type and Nirmatrelvir-Resistant Variants of SARS-CoV-2** Prof Cheng-Wen Lin, China Medical University, Taiwan	**Using Epidemiological Findings to Efficiently Prevent and Control Epidemics of Major Viral Diseases in Taiwan: Implications for the Global Control of COVID-19** Dr Chwan-Chuen King, Institute of Epidemiology, Taiwan
1455 - 1505		**S2 Antibody Mapping Utilising a Deep Mutational Scanning Approach** Dr Weikang Nicholas Lin, A*STAR, Singapore
1505 - 1515	**Unveiling the Robust Antiviral Action of MARVAS26 Against Picornaviruses Through Enteroviral VP1 and Sequestosome-1 Signaling** Dr Thinesshwary Yogarajah, National University of Singapore, Singapore	**Engineering Antiviral Immune-Like Systems for Autonomous Virus Detection and Inhibition in Mice** Dr Yidan Wang, National University of Singapore, Singapore
1515 - 1525	**Antiviral RNAi Immunity – From Basic to Translational Research** Prof Zhou Xi, Wuhan Institute of Virology, China	*Abstract Talk 4*
1525 - 1630	Coffee/Tea break, Exhibition & Posters viewing	
1630 - 1730	**Keynote 4: Prevention and Control of Viral Infections** Prof Kei Sato, The University of Tokyo, Japan *Peridot 201 - 203*	

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21 November 2024, Thursday - Day 3				
Time/Location	*Peridot 201 - 203*		*Peridot 205 - 206*	
0830 Onwards	Registration			
0900 - 1000	**Keynote 5: Pathogenesis and Immunology** Prof Benhur Lee, Icahn School of Medicine at Mount Sinai, United States *Peridot 201 - 203*			
1010 - 1120	**Symposium 13: Pathogenesis and Immunology**		**Symposium 14: Vector Borne Viruses 1**	
1010 - 1040	**Dynamics of CD8+ T Cell Immunity to Circulating and Pandemic Viruses** Dr Carolien Emma van de Sandt, The Peter Doherty Institute at the University of Melbourne, Australia		**Antiviral for Dengue and Other Viruses** Prof Prasert Auewarakul, Mahidol University, Thailand	
1040 - 1050	**Antagonism of the cGAS-STING Mediated Antiviral Innate Immune Responses by SARS-CoV-2 Nsp15** Dr Hsin-Ping Chiu, Icahn School of Medicine at Mount Sinai, United States		**Evolutionary Dynamics of Dengue Virus in Saudi Arabia and the Quest for Safe and Effective Vaccines** Dr Mohammad Bashir Bello, King Abdullah International Medical Research Center (KAIMRC), Saudi Arabia	
1050 - 1100	**Longitudinal Analysis of Virus-Specific Memory T Cells in the Nasal Mucosa** Sabrina Ottolini, Duke NUS Medical School, Singapore			
1100 - 1110	**Structural Basis of Biased T Cell Recognition of Immune-Dominant Epitope of SARS-CoV-2 Spike Protein** Dr Priyanka Chaurasia, Monash University, Australia		**Revealing the Intracellular Trafficking of Dengue Virus RNA Genome** A/Prof Ping Yueh-Hsin, National Yang Ming Chiao Tung University, Taiwan	
1110 - 1120	**Sexual Dimorphism Analysis Demonstrates Chemokine C–C Motif Ligand 2 Involvement in Enterovirus A71 Infection Pathogenesis** Dr Huang Peng-Nien, Chang Gung University, Taiwan		**Clinical Challenges in Dengue** Dr Chia Po Ying, National Center for Infectious Diseases, Singapore	
1120 - 1140	Coffee/Tea break, Exhibition & Posters viewing			
1140 - 1250	**Symposium 15: Host Pathogen Interaction**		**Symposium 16: Vector Borne Viruses 2**	
1140 - 1210	**Small Molecule-directed Protein Degradation As An Antiviral Strategy** Prof Priscilla Li-ning Yang, Stanford University, United States		**Dengue Pathogenesis - Beyond Antibody-dependent Enhancement** Prof Eng Eong Ooi, Duke-NUS Medical School, Singapore	
1210 - 1220	**Antiviral Effect of Probiotics including Lacticaseibacillus Paracasei Strain Shirota** Dr Tetsuji Hori, Yakult Honsha Co., Ltd., Japan		**Two-Phase Interactome Analysis of Nucleocapsid Protein of Crimean-Congo Hemorrhagic Fever Virus and Human Proteins** Dr Hirotaka Takahashi, Ehime University, Japan	
1220 - 1230			**Genetic Analysis of Chikungunya Virus in Singapore in 2008-2024** Dr Grace Ngan, National Centre for Infectious Diseases, Singapore	
1230 - 1240	**Investigating the Roles of Plasminogen in Enterovirus A71 Infection** Prof Chang Chuan-Fa, National Cheng Kung University, Taiwan		**Low-Density Lipoprotein Receptor (LDLR) is Key Receptor of Crimean Congo Hemorrhagic Fever Virus** Prof Ali Mirazimi, SVA, Sweden	
1240 - 1250	**Molecular Architecture of Coronavirus Double Membrane Vesicle Pore Complex** Dr Ni Tao, The University of Hong Kong, Hong Kong SAR		*Abstract Talk 4*	
1250 - 1415	Lunch, Exhibition & Posters viewing			
1415 - 1525	**Symposium 17: Water and Food Borne Viruses**		**Virology Joint Satellite Symposium by the Taiwan Society of Virology and Vaccinology and National Cheng Kung University**	
1415 - 1445	**Norovirus: Translation, Termination and Transmission** Prof Jason Mackenzie, University of Melbourne, Australia		**Enterovirus**	
1445 - 1455	*Abstract Talk 1*	1415 - 1435	**Disruption of Calcium Homeostasis as an Inhibitory Mechanism for Enterovirus D68 Replication** Prof Jim-Tong Horng, Chang Gung University, Taiwan	
1455 - 1505	**Investigating Human Circovirus (HcirV) Infection In Hong Kong** Wu ShuSheng, The University of Hong Kong, Hong Kong SAR	1435 - 1455	**Effect of Genetic Variations of Enterovirus A71 on Viral Properties and Pathogenesis** Prof Jen-Ren Wang, National Cheng Kung University, Taiwan	
1505 - 1515	**Uncommon G3P[10] Rotavirus Strains Detected in Paediatric Patients with Acute Gastroenteritis in Thailand** Nutthawadee Jampanil, Chiangmai University, Thailand	1455 - 1515	**Mechanistic Insight into WWOX-Mediated Suppression of Enterovirus Infection** Prof Li-Jin Hsu, National Cheng Kung University, Taiwan	
1515 - 1525	*Abstract Talk 4*			
1525 - 1600	Coffee/Tea break, Exhibition & Posters viewing			
1600 - 1710	**Symposium 18: Other Virus Infections of Medical Significance**		**Virology Joint Satellite Symposium by the Taiwan Society of Virology and Vaccinology and National Cheng Kung University**	
1600 - 1630	**Detection of Emerging Pathogens in Wildlife in Cambodia** Prof Veasna Duong, Institut Pasteur du Cambodge, Cambodia		**Dengue Virus**	
1630 - 1640	**SARS-CoV-2 and Ebola Virus Share Niemann-Pick C1 (NPC1)** Prof Zheng Yong-Hui, University of Illinois Chicago, United States	1600 - 1620	**The Critical Role of Integrin Linked Kinase in Innate Responses to Dengue Virus Infection** Prof Chih-Peng Chang, National Cheng Kung University, Taiwan	
1640 - 1650	**Hospitalisation Disease Burden of Varicella-Zoster Virus Infection in Post-Transplantation Pediatrics in China: The Imperative for Active Immunisation in Immunosuppressed Pediatric Populations** Prof Ying Liu, China	1620 - 1640	**Enhanced Pathogenicity and Transmissibility of Dengue Virus Strains** Prof Guann-Yi Yu, National Health Research Institutes, Taiwan	
1650 - 1700	*Abstract Talk 3*	1640 - 1700	**Uncovering Dengue Virus Host Factors: Paving the Way for Innovative Antiviral Strategies** Prof Shin-Hong Shiao, National Taiwan University, Taiwan	
1700 - 1710	*Abstract Talk 4*			
1710 - 1725	**Awards & Closing Ceremony** *Peridot 201 - 203*			