



HKU Med LKS Faculty of Medicine
School of Public Health
香港大學公共衛生學院



大學教育資助委員會
University Grants Committee

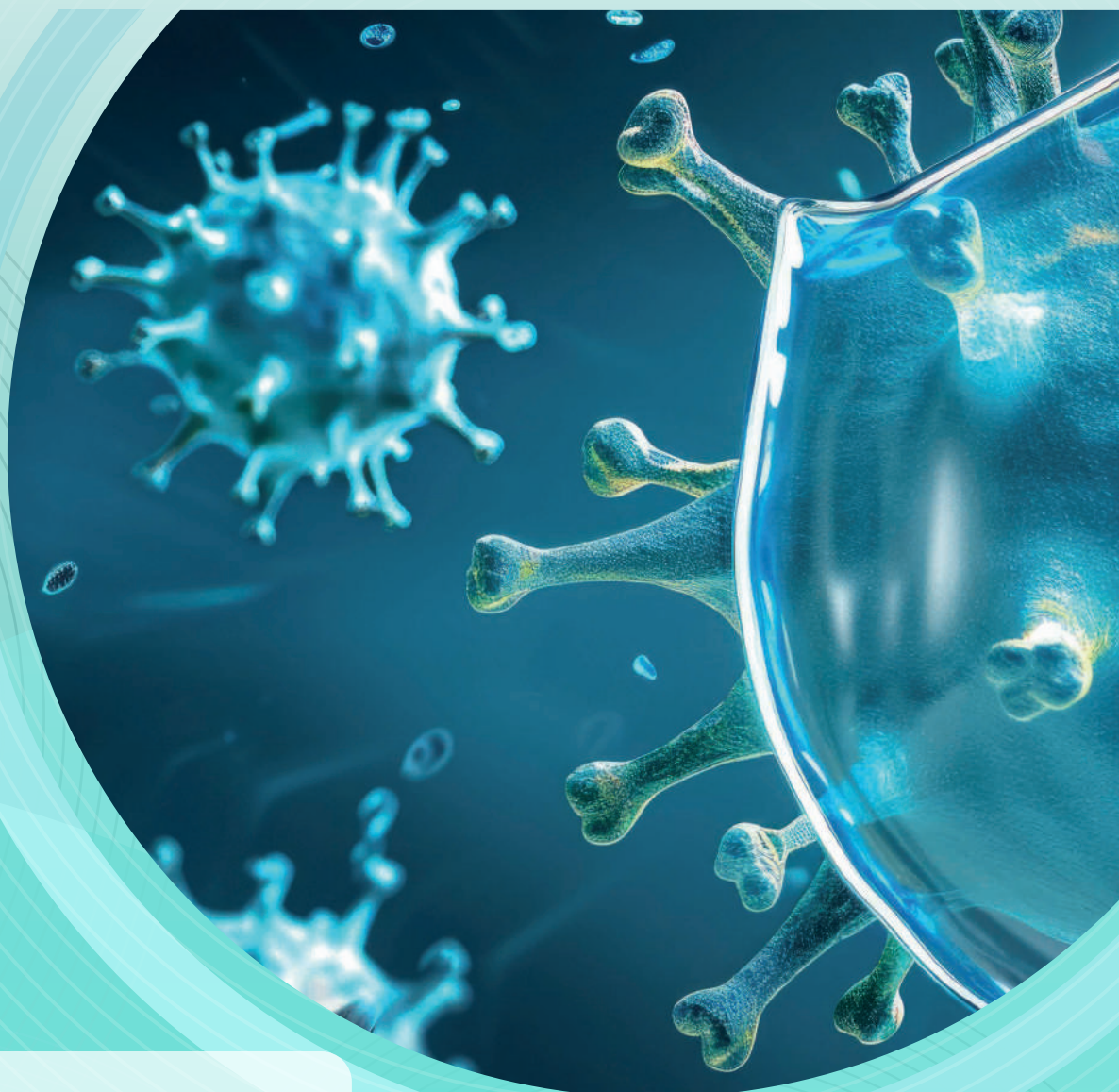


UTokyo

The Hong Kong Jockey Club
Global Health Institute
香港賽馬會環球衛生研究院



NIDO2026 The XVIIth **International Nidovirus Symposium**



24 - 27 June 2026

Grand Hall, Lee Shau Kee Lecture Centre
Centennial Campus, The University of Hong Kong
Pokfulam, Hong Kong, China

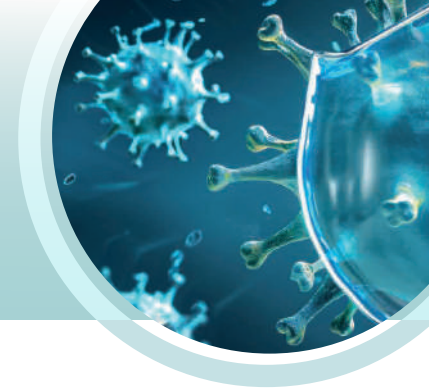


Scan to view the Abstract Book

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WELCOME MESSAGE



Dear Friends and Colleagues,

It is our great pleasure to welcome you to the XVII International Nidovirus Symposium (NIDO2026), hosted by The University of Hong Kong from 24–27 June 2026. We are especially honoured that this distinguished symposium is being held in Asia for the first time, bringing together the global nidovirus research community in Hong Kong, China.

Over the past four decades, the International Nidovirus Symposium has grown into the premier forum for advancing knowledge across the full spectrum of nidoviruses affecting both animals and humans. This diverse group of viruses includes major human pathogens such as SARS-CoV-2, SARS-CoV, MERS-CoV, and endemic human coronaviruses, as well as numerous animal nidoviruses with significant impacts on public health, veterinary medicine, and global economies.

NIDO2026 provides a unique platform for scientists, clinicians, and public health experts from around the world to share the latest discoveries, exchange ideas, and foster new collaborations. As we gather in Hong Kong, China, a dynamic international city where East meets West and innovation thrives, we have a valuable opportunity to strengthen scientific partnerships and explore new directions for nidovirus research. Through open dialogue and interdisciplinary collaboration, we hope to inspire innovative approaches that will advance our collective understanding of these important viruses and their impact on society.

On behalf of the Organizing Committee, we extend our sincere gratitude to all speakers, delegates, sponsors, and partners for their support and participation. Your contributions are essential to the success of this symposium and to the continued progress of the field.

We wish you a rewarding and enjoyable experience at NIDO2026 and look forward to the insightful discussions and collaborations that will emerge over the coming days.

Warm regards,

Leo L. M. Poon & Kei Sato

Co-Chairpersons

NIDO2026



SCIENTIFIC COMMITTEE



Co-Chairpersons

Leo Poon, The University of Hong Kong

Kei Sato, The University of Tokyo

Members

Bruno Canard, CNRS - Aix Marseille University

Yunlong Cao, Peking University

Hin Chu, The University of Hong Kong

Ying Fang, University of Illinois at Urbana-Champaign

Bart Haagmans, Erasmus MC

Helena Maier, The Pirbright Institute

Stanley Perlman, University of Iowa

Stefan Pöhlmann, German Primate Center - Leibniz Institute for Primate Research

Linda Saif, The Ohio State University

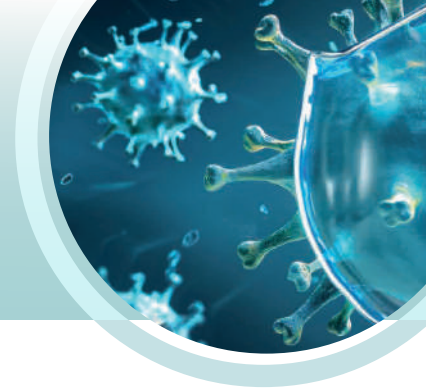
Zhengli Shi, Guangzhou National Laboratory

Chee Wah Tan, National University of Singapore

Volker Thiel, University of Bern

Susan Weiss, University of Pennsylvania

INVITED SPEAKERS



Keynote Speakers

Helena Maier, Pirbright Institute

Malik Peiris, The University of Hong Kong

Invited Speakers

Simon John Anthony, UC Davis

Christian Drosten, Charité-Universitätsmedizin Berlin

Deyin Guo, Guangzhou National Laboratory

Ying Liao, Shanghai Veterinary Research Institute

Stanley Perlman, University of Iowa

Zihe Rao, Tsinghua University

Linda Saif, The Ohio State University

Kanta Subbarao, Laval University

Qihong Wang, Ohio State University

Susan Weiss, University of Pennsylvania

Huan Yan, Wuhan University

For Global Perspectives on Epidemic and Pandemic Preparedness Sessions

José Slon Campos, Coalition for Epidemic Preparedness Innovations (CEPI)

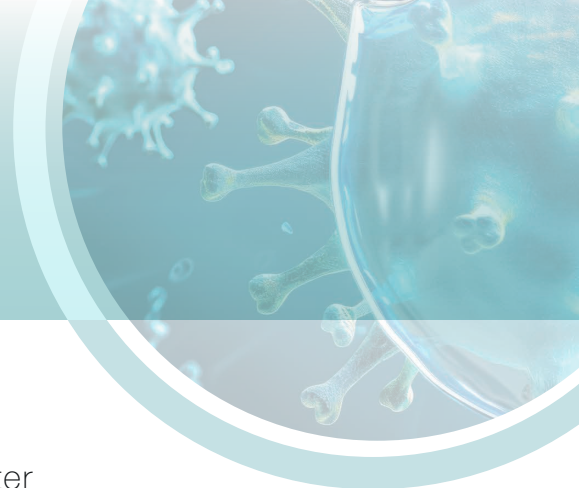
Georges Thiry, Coalition for Epidemic Preparedness Innovations (CEPI)

Ravindra Gupta, The Hong Kong Jockey Club Global Health Institute (HKJCGHI)

Frank Konings, The Hong Kong Jockey Club Global Health Institute (HKJCGHI)

Marcus Mah, Programme for Research in Epidemic Preparedness and Response (PREPARE)

GENERAL INFORMATION



Registration

Secretariat Office

Registration Link: <https://symposium.nido2026.com/register>

Contact Email: info@nido2026.com

Fees

Early Bird Fee (Deadline 31 March 2026)

Standard Registrations	HKD 6,000
Postdocs	HKD 5,300
Concession (e.g. students, media)	HKD 4,600

Normal Rate (Starting from 1 April 2026)

Standard Registrations	HKD 7,000
Postdocs	HKD 6,300
Concession (e.g. students, media)	HKD 5,600

Late Fee & Onsite (Starting from 16 Jun 2026)

Standard Registrations	HKD 8,000
Postdocs	HKD 7,500
Concession (e.g. students, media)	HKD 6,600

Cocktail Reception 24 June 2026 (18:00-20:00)	Covered
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Local Excursion 25 June 2026 (17:00-20:00)

Excursion 1 Tramways Tour	HKD 400
Excursion 2 HKU Guided Tour	HKD 120

Conference Dinner 26 June 2026 (19:00-21:45)	Covered
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Abstract Submission

The submission of abstracts will be managed by the Secretariat Office, as mentioned above.

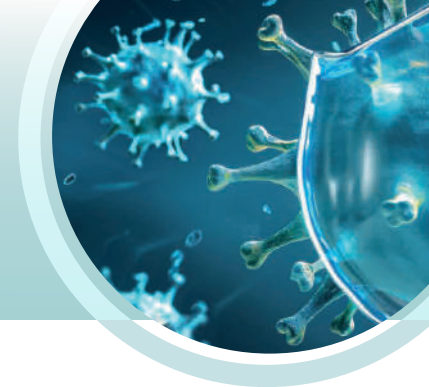
Authors are required to submit their abstracts through the event system at <https://symposium.nido2026.com/login> by 20 April 2026.

Abstract Book

The book of abstract will not be printed, and will be available online on a QR code.



GENERAL INFORMATION



Venue

The Grand Hall, Lee Shau Kee Lecture Centre, Centennial Campus,
The University of Hong Kong, Pokfulam, Hong Kong, China



Hotels Accommodation

- AKI Hotel Hong Kong (4*)
- Conrad Hong Kong (5*)
- Courtyard by Marriott Hong Kong (4*)
- ibis Hong Kong Central & Sheung Wan (3.5*)
- JEN Hong Kong by Shangri-La (4*)
- JW Marriott Hotel Hong Kong (5*)
- Novotel Century Hong Kong (4*)
- Oasis Aurum 181 Hotel (4*)
- Renaissance Harbour View Hotel Hong Kong (5*)
- South Pacific Hotel (4*)



Travel Directions

FROM HONG KONG INTERNATIONAL AIRPORT TO THE GRAND HALL



By MTR

From Hong Kong International Airport, take the Airport Express to Hong Kong Station. Transfer to the MTR Island Line at Central Station and travel to HKU Station. Take Exit A2 or Exit C1, then follow the on-site signage to Centennial Campus and The Grand Hall.

The walking distance from HKU Station to the venue is approximately 10–15 minutes.

Total journey time is approximately 45–60 minutes.



By Taxi / Ride-hailing (Uber / DiDi)

Direct taxi or ride-hailing services are available from Hong Kong International Airport to The Grand Hall, Lee Shau Kee Lecture Centre. The journey takes approximately 35–50 minutes, depending on traffic conditions.

GENERAL INFORMATION



Social Program

COCKTAIL RECEPTION – Wednesday, 24th June 2026

We are delighted to welcome you to NIDO2026 with a Cocktail Reception at The University of Hong Kong.

Join fellow delegates for an evening of networking and conversation in a relaxed atmosphere. Drinks and canapés will be served.

Time: 18:00 – 20:00

Venue: Foyer, Lee Shau Kee Lecture Centre, The University of Hong Kong

LOCAL EXCURSION – Thursday, 25th June 2026

Take the opportunity to discover Hong Kong through a unique cultural experience featuring a historic Hong Kong Tramways Tour and a guided visit of the HKU Campus.

This excursion offers participants an enjoyable evening exploring the city and one of Asia's leading universities.

Time: 17:00 – 20:00

Advance registration is required. Places are limited and will be allocated on a first-come, first-served basis.

Conference Dinner – Friday, 26th June 2026

We look forward to welcoming you to the NIDO2026 Conference Dinner, an excellent opportunity to connect with colleagues and friends.

Time: 19:00 – 21:45

Venue: Concord Rooms I & II

8th Floor, Renaissance Harbour View Hotel Hong Kong

1 Harbour Road, Wan Chai, Hong Kong

Shuttle Service

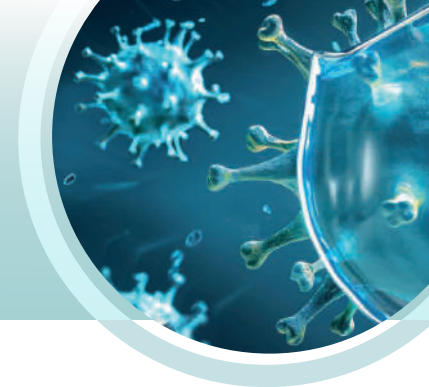
Transportation will be arranged for registered participants:

- From Grand Hall: 18:00 & 18:10
(Meeting point: NIDO 2026 Secretariat Desk at 17:50)
- From Hotel to HKU Station Exit B: 22:00 & 22:10
(Meeting point: Hotel G/F Lobby)

Getting to the venue by public transport:

- The hotel is conveniently located just a 3-minute walk from Exhibition Centre MTR Station.

SCIENTIFIC PROGRAM



WEDNESDAY, 24 JUNE 2026

08:30	Registration	Foyer
09:00-09:15	Photos	Grand Hall
09:15-09:30	Opening remarks Professor Leo Poon and Professor Kei Sato Co-Chairpersons of NIDO2026 Professor Hui-Ling Yen Interim Director and Professor School of Public Health, The University of Hong Kong	Grand Hall

09:30-11:05	Scientific Session 1.1 Topic: Genetic Diversity and Evolution Chairs: Leo Poon, University of Hong Kong (CN) Zhengli Shi, Guangzhou National Laboratory (CN)	Grand Hall
09:30-09:55	Invited speaker talk Phenotypic evolution of circulating MERS-CoV in the Arabian Peninsula Christian Drosten, Charité-Universitätsmedizin Berlin (DE)	
09:55-10:10	The spread of RNA exonuclease domain within Nidovirales hints an evolution mechanism bridging RNA and DNA worlds François Ferron, Laboratoire AFMB, CNRS-Aix Marseille University (FR)	
10:10-10:25	Genetic diversity in horseshoe bat ACE2 and sarbecovirus Spike proteins mutually shape one another Wenye Li, The University of Tokyo (JP)	
10:25-10:35	DeepCoV: a DMS-informed protein language model predicts SARS-CoV-2 evolution dynamics with spatiotemporal resolution Fanchong Jian, Peking University (CN)	
10:35-10:45	High-throughput antibody DMS enables comprehensive epitope modeling and evolution prediction of SARS-CoV-2 and other fast-evolving viruses Fanchong Jian, Peking University (CN)	
10:45-10:55	Direct Measurement of Inter-Virus Recombination Using Landmarked Genomes David LV Bauer, The Francis Crick Institute (GB)	
10:55-11:05	Deciphering and forecasting viral evolution via AI-augmented molecular evolution Jian Lu, Peking University (CN)	

SCIENTIFIC PROGRAM

WEDNESDAY, 24 JUNE 2026

11:05-11:25 Coffee Break

Poster Hall

11:25-13:00 Scientific Session 1.2 Topic: Epidemiology and Surveillance

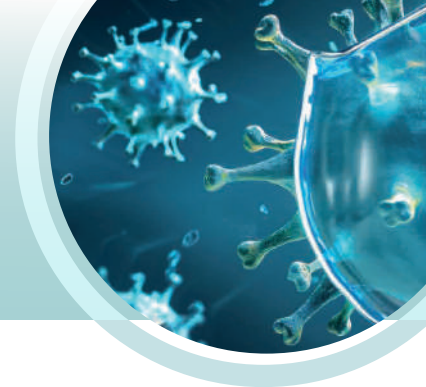
Chairs: Zhengli Shi, Guangzhou National Laboratory (CN)
Kei Sato, The University of Tokyo (JP)
Ying Fang, University of Illinois at Urbana-Champaign (US) — Apology Sent

Grand Hall

11:25-11:50	Invited speaker talk Coronaviruses: Past and present cross-species, zoonotic and “Oh Deer” Reverse zoonotic transmission Linda Saif, The Ohio State University (US)
11:50-12:05	Co-circulation and Preferential Infection of Children by the Emerging Saltation Variant BA.3.2 Suggest a Transition Towards Endemicity Stefan Pöhlmann, German Primate Center - Leibniz Institute for Primate Research (DE)
12:05-12:20	Neutralizing antibody profiles in different age cohorts reveal evidence of antigenic drift in human coronavirus 229E that is not seen with OC43 and NL63 Kanta Subbarao, Université Laval (CA)
12:20-12:35	Optimizing Global Genomic Surveillance for Early Detection of Emerging SARS-CoV-2 Variants Wanying Sun, Centre for Immunology & Infection (CN)
12:35-12:50	PhyloRt: scalable deep-learning-based inference of time-varying transmission dynamics from outbreak phylogenies Ruopeng Xie, University of Oxford (GB)
12:50-13:00	Surveillance, Characterisation and Organ Tropism of Coronaviruses in UK Wildlife Ternenge Apaa, Animal & Plant Health Agency (GB)



SCIENTIFIC PROGRAM



WEDNESDAY, 24 JUNE 2026

13:00-14:00

Lunch Time

Poster Hall

14:00-15:35

Scientific Session 1.3 Topic: Viral Replication

Chairs: Bruno Canard, CNRS - Aix Marseille University (FR)
Volker Thiel, Institute for Virology and Immunology (CH)

Grand Hall

14:00-14:25

Invited speaker talk
Machinery of RNA virus replication and transcription – New Target, New Mechanism, Leading New Inhibitor
Zihe Rao, Tsinghua University (CN)

14:25-14:40

Structural basis of mismatch recognition by a SARS-CoV-2 proofreading enzyme
Chang Liu, The Johns Hopkins University School of Medicine (US)

14:40-14:55

Capturing the first translation and replication events: single-molecule imaging of early coronavirus infection
Martin Gonzalez Burgos, Institute of Virology and Immunology (CH)

14:55-15:10

The first foothold: the initiating steps in coronavirus replication visualized in real time and by 4i/smFISH analysis
Sypke van Terwisga, Utrecht University (NL)

15:10-15:25

A new model of coronavirus replication and transcription
Nuno Santos, The Francis Crick Institute (GB)

15:25-15:35

Perturbing MHV:nsp5 to unveil the role of proteolytic processing on viral RNA synthesis
Maximilian Erdmann, University of Liverpool (GB)

SCIENTIFIC PROGRAM

WEDNESDAY, 24 JUNE 2026

Poster Hall

15:35-15:55 Coffee Break

15:55-17:55 Scientific Session 1.4 Topic: Virus Entry

Chairs: Yunlong Cao, Peking University (CN)
Kei Sato, The University of Tokyo (JP)

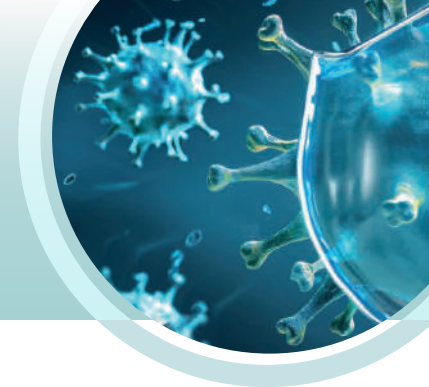
Grand Hall

15:55-16:20	Invited speaker talk Receptor diversification in merbecovirus evolution Huan Yan, Wuhan University (CN)
16:20-16:35	Intermediate hosts prime merbecovirus spike for human compatibility Michael Letko, Washington State University (US)
16:35-16:50	CEACAM6 is a newly discovered receptor for different alphacoronaviruses Giulia Gallo, The Pirbright Institute (GB)
16:50-17:05	Sialoglycan Binding in HKU1 Cell Entry: Not Such an Open-and-Shut Case Daniel Hurdiss, Utrecht University (NL)
17:05-17:15	The Omicron tropic shift from SARS-CoV-2 Arises from Variant Specific Exploitation of Distinct ACE2 Compositions Timothy Ison, Kirby Institute, UNSW (AU)
17:15-17:25	The SLC39A9-C1GALT1 Axis Promotes Coronavirus Infection by Coupling Viral Entry with Innate Immune Suppression Wentao Li, Huazhong Agricultural University (CN)
17:25-17:35	Dynamic binding to proteoglycans in airway epithelium drives SARS-CoV-2 evolution Bo Meng, University of Cambridge (GB)
17:35-17:45	A pH-driven receptor switch from ACE2 to NPC1 enables endosomal entry of SARS-CoV-2 Yonghui Zheng, University of Illinois Chicago (US)
17:45-17:55	Structural basis and regulation of sialic acid receptor recognition by infectious bronchitis virus Harry Libbey, Utrecht University (NL)

18:00-20:00 Cocktail Reception

Foyer

SCIENTIFIC PROGRAM



THURSDAY, 25 JUNE 2026

08:45-09:30

Keynote Speaker Session I

MERS: Knowledge gaps

Peiris Malik, The University of Hong Kong (CN)

Grand Hall

09:30-11:05

Scientific Session 2.1 Topic: Pathogenesis

Chairs: Hin Chu, The University of Hong Kong (CN)

Bart Haagmans, Erasmus MC (NL)

Grand Hall

09:30-09:55

Invited speaker talk

Neurological PASC in humans and mice

Stanley Perlman, The University of Iowa (US)

09:55-10:10

Betacoronavirus internal protein: role in immune evasion and viral pathogenesis

Roy Wong, Rutgers Health (US)

10:10-10:25

Why Did SARS-CoV Not Cause a Pandemic: Comparative Pathogenesis and Transmission Studies in Hamsters

Melanie Rissmann, Erasmus Medical Center (NL)

10:25-10:40

An adult stem cell-based organoid platform to assess virus tropism in the human upper and lower respiratory tract

Trena WX Lee, Duke NUS (SG)

10:40-10:50

A nucleocapsid R204P mutation in SARS-CoV-2 Omicron XEC enhances inflammation and pathogenicity

Shuhei Tsujino, Kyushu University (JP)

10:50-11:00

Strain-dependent Infection Outcomes of Feline Infectious Peritonitis Virus in Conventional Mice

Keisuke Nakagawa, Gifu University (JP)

11:00-11:10

Mechanism of palmitoylation of MERS-CoV S protein

Zhachui Qian, Chinese Academy of Medical Sciences & Peking Union Medical College (CN)

SCIENTIFIC PROGRAM

THURSDAY, 25 JUNE 2026

Poster Hall

11:10-11:25 Coffee Break

11:25-13:00 Scientific Session 2.2 Topic: Virus-host Interaction I

Chairs: Hin Chu, The University of Hong Kong (CN)
Helena Maier, The Pirbright Institute (GB)
Chee Wah Tan, National University of Singapore (SG)

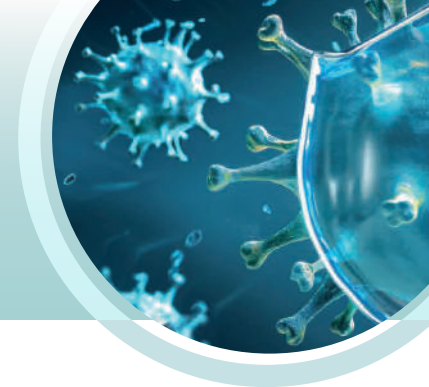
Grand Hall

11:25-11:50	Invited speaker talk Coronaviruses Suppress Innate Immune Response by Targeting Nucleo-cytoplasmic Trafficking system Ying Liao, Shanghai Veterinary Research Institute, CAAS (CN)
11:50-12:05	Dynamics of coronavirus-host cell protein interactions in assembly and egress Brenda Hogue, Arizona State University (US)
12:05-12:20	Host-mediated ADP-ribosylation targets multiple stages of the coronavirus replication cycle Anthony Fehr, University of Kansas (US)
12:20-12:30	From Bat to Human and Back: A Single Nucleocapsid Mutation Enables SARS-CoV-2 Replication in Greater Horseshoe Bat Cells Magdalena Rutkowska, Icahn School of Medicine at Mount Sinai (US)
12:30-12:40	Comparative analysis in human respiratory epithelial cultures reveals patterns that distinguish pathogenic from seasonal human coronaviruses Matthew Gartner, University of Melbourne (AU)
12:40-12:50	Gasdermin Family Proteins as Innate Immune Effectors in Coronavirus Infection Pinghuang Liu, China Agricultural University (CN)
12:50-13:00	The Accessory Protein 3a of IBV Activates the NLRP3 Inflammasome in Renal Collecting Ducts via ER Calcium Mobilization and Mitochondrial ROS-Driven Mechanisms Contributing to Nephropathogenesis Ye Zhao, China Agricultural University (CN)

13:00-14:00 Lunch Time

Poster Hall

SCIENTIFIC PROGRAM



THURSDAY, 25 JUNE 2026

14:00-14:45		Scientific Session 2.3 Topic: Virus-Host Interaction II Chairs: Hin Chu, The University of Hong Kong (CN) Helena Maier, The Pirbright Institute (GB) Chee Wah Tan, National University of Singapore (SG)	Grand Hall
14:00-14:15	Comparing SARS-CoV-2 and MERS-CoV host responses to understand transmission and pathogenesis Ziqi Zhou, Queen Mary University of London (GB)		
14:15-14:25	Functional Genomics and Transcriptomics of Porcine Alphacoronavirus Transmissible Gastroenteritis Virus Identifies Host Factors Associated with Viral Replication and the Cellular Immune Response Andrew Hanton, University of Edinburgh (GB)		
14:25-14:35	Contribution of SARS-CoV-2 ORF7a to virion release and virus virulence Isabel Sola, National Center for Biotechnology (CNB-CSIC) (ES)		
14:35-14:55		Global Perspectives on Epidemic and Pandemic Preparedness I PREPARE Sharing Session CORC-CoV – Coronavirus Research & Development Roadmap Marcus Mah, PREPARE (SG)	 Grand Hall
14:55-16:55		Coffee Break and Poster Session I	Poster Hall
1700		Local Excursion (by pre-registration only)	
17:00-18:30		HKU Campus Guided Tour OR	
17:30-20:00		Tramways x HK Island Tour	



SCIENTIFIC PROGRAM

FRIDAY, 26 JUNE 2026

08:45-09:30

Keynote Speaker Session II

On a journey with coronavirus replication organelles: how far have we come?

Helena Maier, The Pirbright Institute (GB)

Grand Hall

09:30-11:05

Scientific Session 3.1 Topic: Immune Response to Virus Infection

Chairs: Stanley Perlman, University of Iowa (US)
Susan Weiss, University of Pennsylvania (US)

Grand Hall

09:30-09:55

Invited speaker talk

Coronavirus activation of interferon signaling pathways is critical for control of infection in the nasal epithelium

Susan Weiss, University of Pennsylvania (US)

09:55-10:10

Investigating the role of Toll-like receptor 7 in SARS-CoV-2 infection using golden hamsters

Ziyi Guo, The University of Tokyo (JP)

10:10-10:25

SARS-CoV-2 Balances Antigenic Evolution and Replicative Fitness in Human Airways

Anna Mykytyn, Erasmus MC (NL)

10:25-10:35

Chronic Infection Drives Evolution of SARS-CoV-2 Innate Immune Antagonism

Xiaohao Xu, King's College London (GB)

10:35-10:45

Bat-specific adaptations in interferon signaling and GBP1 contribute to enhanced antiviral capacity

Arinjay Banerjee, University of Saskatchewan (CA)

10:45-10:55

Infection-induced immune imprinting following SARS-CoV-2 exposure in unvaccinated populations

Adam Abdullahi, University of Cambridge (GB)

10:56-11:05

Flash Talks and Discussions

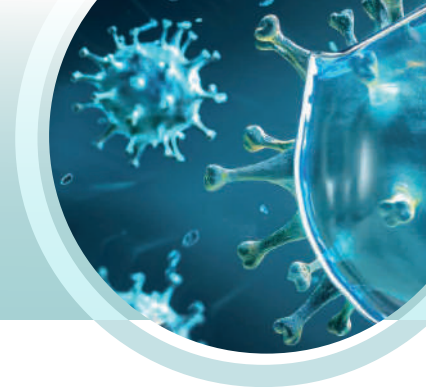
Cross-species quantification of antiviral immune responses from large-scale RNA-seq data using ISG Profiler

Luca Nishimura, The University of Tokyo (JP)

Cellular innate immune determinants of SARS-CoV-2 clearance and disease severity

Margarida Bonifacio, The Francis Crick Institute (GB)

SCIENTIFIC PROGRAM



FRIDAY, 26 JUNE 2026

11:05-11:25

Coffee Break

Poster Hall

11:25-12:40

Scientific Session 3.2 Topic: Virus Transmission and Vaccines

Chairs: Yunlong Cao, Peking University (CN)
Stanley Perlman, University of Iowa (US)

Grand Hall

11:25-11:50

**Invited speaker talk
Airborne transmission of SARS-CoV-2**

Kanta Subbarao, Université Laval (CA)

11:50-12:05

**Population-wide SARS-CoV-2 antibody repertoire heterogeneity
driven by immune imprinting**

Yunlong Cao, Peking University (CN)

12:05-12:20

**Breadth and kinetics of antibody-mediated immunity to SARS-CoV-2
variants in highly-vaccinated individuals receiving monovalent KP.2
mRNA COVID-19 booster vaccines**

Daniel Egan, University of Cambridge (GB)

12:20-12:35

**SARS-CoV-2 Variants Employ Diverse Strategies to Sustain Efficient
Airborne Transmissibility**

Jie Zhou, Imperial College London (GB)

12:35-12:40

**Flash talk and Discussions
COVID-19 vaccination induces cross-neutralisation of
sarbecoviruses related to SARS-CoV-2**

Grace West, University of Cambridge (GB)

12:40-13:00

Global Perspectives on Epidemic and Pandemic Preparedness II

CEPI Sharing Session

CEPI CoV Library

Georges Thiry / José Slon Campos

CEPI (Coalition for Epidemic Preparedness Innovations)

CEPI
Grand Hall

13:00-14:00

Lunch Time

Poster Hall

SCIENTIFIC PROGRAM

FRIDAY, 26 JUNE 2026



14:00-15:35

Scientific Session 3.3 Topic: Vaccines

Chairs: Yunlong Cao, Peking University (CN)
Bart Haagmans, Erasmus MC (NL)
Chee Wah Tan, National University of Singapore (SG)

Grand Hall

14:00-14:25

Invited speaker talk Attenuation of PEDV Virulence by an NSP3 Mac1 Mutation with Unchanged In Vitro Replication

QiuHong Wang, The Ohio State University (US)

14:25-14:40

Mouse V(D)J Humanization Recapitulates human-like Severe SARS-CoV-2 Immune Imprinting

Xiao Niu, Peking University (CN)

14:40-14:55

mRNA-based COVID-19 JN.1 Vaccination Induces Partial Protection Against SARS-CoV

Merel te Marvelde, Erasmus Medical Center (NL)

14:55-15:05

Application of Organoid-Derived Human Bronchiole Cultures for Manufacture of Human Coronaviruses Used in Controlled Human Infection Models

Jingshu Zhang, Erasmus MC (NL)

15:05-15:15

Broad Sarbecovirus Neutralization Elicited by a Synthetic SARS-CoV-2-Based Variant Immunogen Cocktail

Viren Baharani, The Rockefeller University (US)

15:15-15:35

Coffee Break

Poster Hall

15:35-16:25

Global Perspectives on Epidemic and Pandemic Preparedness III The Hong Kong Jockey Club Global Health Institute Sharing Session

Introduction to The Hong Kong Jockey Club Global Health Institute

Frank Konings, The Hong Kong Jockey Club Global Health Institute

Lessons from SARS CoV 2 intrahost evolution in immune suppression

Ravindra Gupta, University of Cambridge (GB)

Panel discussion

Moderator: Leo Poon, The Hong Kong Jockey Club Global Health Institute

The Hong Kong Jockey Club
Global Health Institute
香港賽馬會環球衛生研究院



Grand Hall

16:25-18:00

Poster Session II

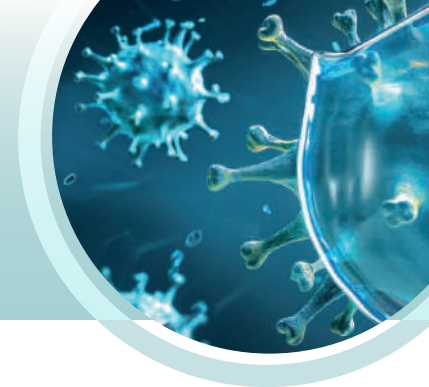
Poster Hall

19:00-21:45

Conference Dinner

Hotel in Wan Chai

SCIENTIFIC PROGRAM



SATURDAY, 27 JUNE 2026

09:30-11:05

Scientific Session 4.1 Topic: Antivirals

Chairs: Bruno Canard, CNRS - Aix Marseille University (FR)
Stefan Pöhlmann, German Primate Center - Leibniz Institute for Primate Research (DE)

Grand Hall

09:30-09:55	Invited speaker talk Discovery and Development of Coronaviral Inhibitors targeting Viral Methyltransferases Deyin Guo, Guangzhou National Laboratory (CN)
09:55-10:10	Allosteric Control of SARS-CoV-2 Exoribonuclease and Resistance to Nucleotide Analog-Based Antivirals Chang Liu, The Johns Hopkins University School of Medicine (US)
10:10-10:25	An ultrapotent bispecific nanobody delivered intranasally blocks contact transmission of SARS-CoV-1/2 and therapeutically clears MERS-CoV Xiaoyu Zhao, Fudan University (CN)
10:25-10:40	A SARS-CoV-2 entry inhibitor trimerizes to lock the spike protein in a closed conformation Huihui Mou, Boston Children's Hospital, Harvard Medical School (US)
10:41-10:48	A Novel Host-Targeted Antiviral Inhibiting Glycerophospholipid Metabolism in Feline Infectious Peritonitis Virus Infection Guoqian GU, City University of Hong Kong (CN)
10:49-10:56	Intranasal administration of a broadly neutralising macrocyclic peptide inhibitor protects against SARS-CoV-2 infection Daniel Hurdiss, Utrecht University (NL)
10:56-11:05	Pan-coronavirus antiviral drug discovery driven by proteomic and gene expression analysis in alveolar type II cells Jessica Neil, The University of Melbourne (AU)

SCIENTIFIC PROGRAM

SATURDAY, 27 JUNE 2026

11:05-11:25 Coffee Break

Poster Hall

11:25-13:10 Scientific Session 4.2 Topic: Zoonotic transmission

Chairs: Leo Poon, University of Hong Kong (CN)
Linda Saif, The Ohio State University (US)
Ying Fang, University of Illinois at Urbana-Champaign (US) — Apology Sent

Grand Hall

11:25-11:50	Invited speaker talk Viral recombination as a multiscale pathway of conditional constraints Simon John Anthony, University of California Davis (US)
11:50-12:05	Species-specific expression of ACE2 in multiciliated airway cells determines SARS-CoV-2 susceptibility Tim Breugem, Erasmus MC (NL)
12:05-12:20	Animal Organoids to Study Zoonotic Coronaviruses Alexandre Bouffier, Erasmus Medical Center (NL)
12:20-12:35	Clade C MERS-CoV camel strains vary in protease usage during viral entry and interferon antagonism Helena Winstone, University of Pennsylvania (US)
12:35-12:50	Experimental SARS-CoV-2 infection using horseshoe bats Kaoru Usui, The University of Tokyo (JP)
12:50-13:05	Incidence, Genomic, and Phenotypic Characterization of Recent MERS-CoV Strains in East Africa Marcel Müller, Charité - Universitätsmedizin Berlin (DE)
13:05-13:10	Flash Talk and Discussions Evolution of receptor usage plasticity in merbecoviruses through a computational approach Jarel Elgin Tolentino, The University of Tokyo (JP)

13:10-13:15 Closing Remarks by Co-Chairpersons

Grand Hall

THE HONG KONG JOCKEY CLUB GLOBAL HEALTH INSTITUTE

ABOUT

The Hong Kong Jockey Club Global Health Institute (HKJCGHI) was established on 1 March 2024 as a tri-partite partnership between The University of Hong Kong (HKU), the University of Cambridge, and the International Vaccine Institute (IVI).

The Institute enhances global preparedness for future pandemics through interdisciplinary research, innovative vaccine and platform development, human immunology, capacity building, and strong global partnerships that connect leading scientists and institutions worldwide.

VISION

Advancing global health through partnership, science and innovation for infectious disease control and pandemic preparedness.

We envision a world where everyone, including those in low- and middle-income countries, has equitable access to safe and affordable disease control measures, such as vaccines. By fostering collaboration, leveraging cutting-edge technologies and deepening our understanding of human immunity and pathogen biology, we strive to strengthen the global response to pandemic threats and to nurture the next generation of global health experts.

MISSION

A world better prepared for managing outbreaks and pandemics.

Our mission is to tackle the global health challenges posed by priority infectious diseases, and bolster pandemic preparedness at academic, industry, and policy levels. We aim to translate our research into practical applications that effectively prevent and mitigate epidemic and endemic infectious diseases, ensuring a significant impact on national, regional, and global health.

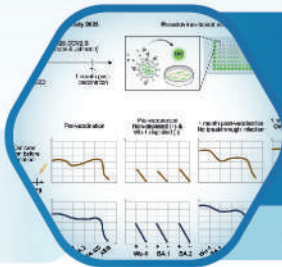


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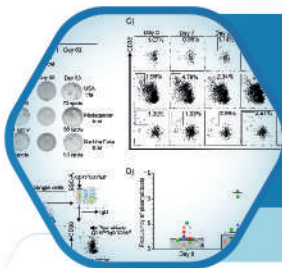
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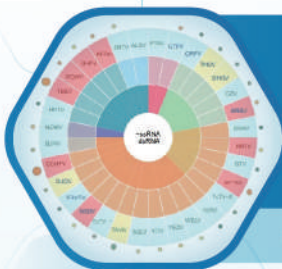
SARS-CoV-2 Omicron infection reveals imprinted antibody responses in the absence of vaccination

iScience; 19 June 2026



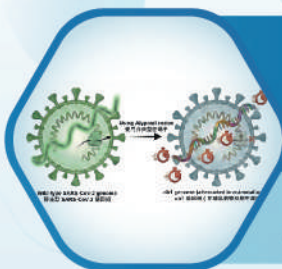
Schistosomiasis vaccine SchistoShield® induces functional immune memory responses in US and African populations

npj Vaccines; 2 June 2026



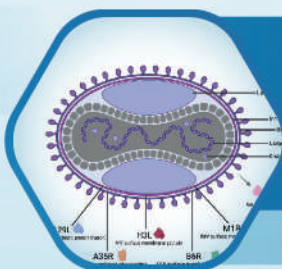
Ecological factors and genetic features are associated with ecological generalism in pathogenic tick-borne viruses

Nature Communications; 11 May 2026



Broad beta-CoV immunity and transmission blockade by a single-dose live-attenuated vaccine with atypical codon usage

Proceedings of the National Academy of Sciences; 23 January 2026



Sero-genomic evidence for occult mpox exposure in healthy Nigerian adult

Nature Communications; 20 January 2026



COVID-19 Vaccine Research in Africa

Clinical Infectious Diseases
(Volume 80, Issue Supplement_1); 15 June 2025



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