

## Sunday, November 30, 2025

15:30 - 16:00	<b>Registration</b> Paradise Foyer	
16:00 - 17:00		<b>Author Workshop: How to publish with success in the field of epidemics research</b> Jennifer Wood, Senior Publisher, Elsevier <b>Journal Editors:</b> & Joseph Wu, The University of Hong Kong, Co-Editor-in-Chief of Epidemics, Simon Gubbins, Pirbright Institute, UK, Kathy Leung, The University of Hong Kong, Wan Yang, Columbia University Mailman School of Public Health, US
17:00 - 17:30		
17:30 - 19:00	<b>Welcome Reception and Poster Session 1</b> Sunset Ballroom	

## Monday, December 1, 2025

08:20 - 10:30	<b>Opening Session - Welcome and Opening Remarks</b>   Paradise Ballroom 08:20-08:30 - <b>Welcome and Opening Remarks:</b> Cecile Viboud, Fogarty International Center, National Institutes of Health, USA, Joseph Wu, University of Hong Kong, Hong Kong & Jennifer Wood, Senior Publisher, Elsevier, UK  08:30 - 09:10 [INV01] <b>Reporting is sporadic, infections are not: Improving surveillance for emerging infections in a large, integrated healthcare system,</b> <a href="#">Joseph A Lewnard</a> 09:10 - 09:50 [INV02] <b>Fostering a sustainable modeling community through a local perspective,</b> <a href="#">Wirichada Pan-ngum</a> 09:50 - 10:30 [INV03] <b>Progress and frontiers in behavioral disease modelling,</b> <a href="#">Shweta Bansal</a>		
10:30 - 11:00	<b>Refreshment Break</b>   Sunset Ballroom		
11:00 - 12:40	<b>Parallel Session 1: Modeling Tools</b>   Palm Island Chair: <a href="#">Emma McBryde</a>  11:00 - 11:20 [O01.1] <b>Starsim: A fast, flexible agent-based disease modeling framework</b> <a href="#">Cliff Kerr</a>  11:20 - 11:40 [O01.2] <b>Epydemix: An open-source Python package for epidemic modeling with integrated approximate Bayesian calibration</b> <a href="#">Nicolò Gozzi</a>  11:40 - 12:00 [O01.3] <b>paramix: an R package to move between low-resolution compartmental models and high-resolution parameters and outcomes</b> <a href="#">Carl Pearson</a>  12:00 - 12:20 [O01.4] <b>EpiControl: A novel scenario analysis tool for real-time data-driven optimisation of epidemic interventions</b> <a href="#">Sandor Beregi</a>	<b>Parallel Session 2: Behavioural Dynamics and Contacts</b> Royal Pacific   Chair: <a href="#">Lauren Gardner</a>  11:00 - 11:20 [O02.1] <b>Going beyond physical distance with CompARE: A multi-factorial computational framework for airborne respiratory disease transmission evaluation that integrates flow physics and human behavior</b> <a href="#">Chin Chun Ooi</a>  11:20 - 11:40 [O02.2] <b>Social reinforcements and spatiotemporal characteristics for capturing the impacts of population heterogeneity in the transmission dynamics of SARS-CoV-2 in mainland China</b> <a href="#">Jiaqi Chen</a>  11:40 - 12:00 [O02.3] <b>The impact of hospitalizations on social distancing behavior during COVID-19: quantifying behavioral influences for transmission models</b> <a href="#">Joshua Chevalier</a>	<b>Parallel Session 3: Vector Borne Diseases</b>   Mission Bay Chair: <a href="#">Alex Perkins</a>  11:00 - 11:20 [O03.1] <b>Malaria parasite-immune biology, and its implications for transmission and control</b> <a href="#">David Gurarie</a>  11:20 - 11:40 [O03.2] <b>Optimal coverage of insecticide-treated nets for malaria control: maximising impact, not coverage</b> <a href="#">Andrew Glover</a>  11:40 - 12:00 [O03.3] <b>Identifiability challenges in modelling recurrent infections using routine healthcare data</b> <a href="#">Ada Yan</a>  12:00 - 12:20 [O03.4] <b>Linking intra-host parasite dynamics, transmission and epidemiological dynamics to evaluate the public health utility of alternative drug regimens</b>

	<p><b>12:20 - 12:40 [O01.5]</b>  <b>Serodynamics: An open-source R-package to model post-infection antibody kinetics</b>  <a href="#">Samuel Schildhauer</a></p>	<p><b>12:00 - 12:20 [O02.4]</b>  <b>Integrating novel discussion-based contact matrices to capture peer influence effects in coupled behaviour-epidemic models</b>  <a href="#">Elisabetta Colosi</a></p> <p><b>12:20 - 12:40 [O02.5]</b>  <b>Data aggregation conceals individual mobility heterogeneities that drive infectious disease transmission dynamics</b>  <a href="#">Noah Parker</a></p>	<p>for <i>Falciparum malaria</i>  <a href="#">James McCaw</a></p> <p><b>12:20 - 12:40 [O03.5]</b>  <b>Impact of climate uncertainty sources on future vector-borne disease risks</b>  <a href="#">William Hart</a></p>
<p>12:40 - 13:40</p>	<p><b>Lunch</b> Paradise Terrace</p>		
<p>13:40 - 15:40</p>	<p><b>Parallel Session 4: Sexually Transmitted Diseases   Palm Island   Chair: Tetyana Vasylyeva</b></p> <p><b>14:00 - 14:20 [O04.1]</b>  <b>Modelling gonorrhoea vaccination to find optimal targeting strategies that balance impact with cost-effectiveness</b>  <a href="#">Peter White</a></p> <p><b>14:20 - 14:40 [O04.2]</b>  <b>Long-run public health impact of doxycycline post-exposure prophylaxis and behavioural factors on syphilis transmission: A modelling study in Singapore and England</b>  <a href="#">Zihao Wang</a></p> <p><b>14:40 - 15:00 [O04.3]</b>  <b>Evolution and equilibrium analysis of PrEP adoption for HIV prevention: a government–community–individual tripartite game model with cumulative prospect theory</b>  <a href="#">Xinyang Wang</a></p> <p><b>15:00 - 15:20 [O04.4]</b>  <b>Modeling viral rebound kinetics following single and combination immunotherapy for HIV/SIV</b>  <a href="#">Madeleine Gastonguay</a></p> <p><b>15:20 - 15:40 [O04.5]</b>  <b>Using geospatial modelling to discover extreme wealth-based inequities in access to HIV healthcare</b>  <a href="#">Sally Blower</a></p> <p><b>15:20 - 15:40 [O4.06]</b>  <b>Reduction in overtreatment of gonorrhoea and chlamydia through point-of-care testing for vaginal discharge: A modeling study for Zimbabwe</b>  <a href="#">Robyn Stuart</a></p>	<p><b>Parallel Session 5: Machine Learning and AI   Royal Pacific   Chair: Justin Lessler</b></p> <p><b>13:40 - 14:00 [O05.1]</b>  <b>Mapping antigenic evolution of influenza A viruses using deep learning-based prediction of antibody responses</b>  <a href="#">Bingyi Yang</a></p> <p><b>14:00 - 14:20 [O05.2]</b>  <b>Temporal relationships between signals with graph neural networks for forecasting</b>  <a href="#">Ajitesh Srivastava</a></p> <p><b>14:20 - 14:40 [O05.3]</b>  <b>Integrating mechanistic and predictive ai models for cholera control: the MOSAIC framework for evidence-based OCV deployment in sub-Saharan Africa</b>  <a href="#">John Giles</a></p> <p><b>14:40 - 15:00 [O05.4]</b>  <b>Estimating rates of lineage spread using graph theory and machine learning of SARS-CoV-2 genetic sequences</b>  <a href="#">Ruian Ke</a></p> <p><b>15:00 - 15:20 [O05.5]</b>  <b>Surrogate modeling for infectious disease dynamics using machine learning</b>  <a href="#">Philip Lee</a></p> <p><b>15:20 - 15:40 [O05.6]</b>  <b>Integrating human expertise and AI capabilities: Evaluating Terarium for infectious disease modeling</b>  <a href="#">Pascale Proulx</a></p>	<p><b>Parallel Session 6: Phylodynamics and Genomics Surveillance   Mission Bay   Chair: Louise Moncla</b></p> <p><b>13:40 - 14:00 [O06.1]</b>  <b>Phylodynamic Reconstruction of Transmission Networks in Denmark utilising nation-scale Social Network Structures</b>  <a href="#">Jacob Curran-Sebastian</a></p> <p><b>14:00 - 14:20 [O06.2]</b>  <b>Uncovering epistatic interactions in SARS-CoV-2 evolution through hidden markov models</b>  <a href="#">Ezekiel A. Adeniyi</a></p> <p><b>14:20 - 14:40 [O06.3]</b>  <b>Intensive transmission in wild, migratory birds drove rapid geographic dissemination and repeated spillovers of H5N1 into agriculture in North America</b>  <a href="#">Louise Moncla</a></p> <p><b>14:40 - 15:00 [O06.4]</b>  <b>High-resolution genomic surveillance reveals RSV local transmission and age-specific dynamics</b>  <a href="#">Jiye Kwon</a></p> <p><b>15:00 - 15:20 [O06.5]</b>  <b>Characterizing the mechanisms shaping H3Nx influenza A virus evolution across diverse hosts</b>  <a href="#">Maria Maltepes</a></p> <p><b>15:20 - 15:40 [O06.6]</b>  <b>High prevalence of avian influenza drives reassortment dynamics and clade emergence in influenza A/H5N1</b>  <a href="#">Nicola Mueller</a></p>
<p>15:40 - 16:10</p>	<p><b>Refreshment Break   Sunset Ballroom</b></p>		

<p>16:10 - 17:50</p>	<p><b>Session 7: Vector Borne Diseases II: Dengue</b>   Palm Island   <a href="#">Chair: Katia Koelle</a></p> <p><b>16:10 - 16:30 [O07.1]</b>  <b>DENV-2 autochthonous transmission patterns in Italy: Evidence from 2024 outbreaks</b>  <a href="#">Carla Molina Grané</a></p> <p><b>16:30 - 16:50 [O07.2]</b>  <b>Characterizing the impact of age and sex on dengue infection risk: A multicountry analysis</b>  <a href="#">Marco Hamins-Puertolas</a></p> <p><b>16:50 - 17:10 [O07.4]</b>  <b>From outbreak to inference: Estimation of <i>Aedes albopictus</i> abundance based on a dengue outbreak in Australia</b>  <a href="#">Francisca Powell-Romero</a></p> <p><b>17:10 - 17:30 [O07.5]</b>  <b>Phylogenetic fitness comparisons of co-circulating dengue strains in Thailand 1965-2014</b>  <a href="#">Douglas Fritz</a></p>	<p><b>Session 8: Transmission Dynamics</b>   Royal Pacific   <a href="#">Chair: Pamela Martinez</a></p> <p><b>16:10 - 16:30 [O08.1]</b>  <b>Estimating early-phase reproduction ratio for epidemic outbreaks in spatially structured populations</b>  <a href="#">Boxuan Wang</a></p> <p><b>16:30 - 16:50 [O08.2]</b>  <b>Modeling the effect of weather on infectious diseases: Why causal structure matters</b>  <a href="#">Cana Kussmaul</a></p> <p><b>16:50 - 17:10 [O08.3]</b>  <b>Understanding transmission dynamics of eastern equine encephalitis: Sensitivity and feature importance in age-structured vector-host models</b>  <a href="#">Christopher Mitchell</a></p> <p><b>17:10 - 17:30 [O08.4]</b>  <b>The honeymoon is over: Dynamic impacts of abrupt reductions in vaccine uptake</b>  <a href="#">Emily Howerton</a></p> <p><b>17:30 - 17:50 [O08.5]</b>  <b>Modeling swine influenza outbreaks during agricultural county fairs in the US</b>  <a href="#">Dana Pittman Ratterree</a></p>	<p><b>Session 9: Dynamics of respiratory pathogens, interactions and perturbations</b>   Mission Bay   <a href="#">Chair: Matthieu Domenech de Celles</a></p> <p><b>16:10 - 16:30 [O09.1]</b>  <b>A mechanistic disease simulation model explains differences in post-COVID-19 pandemic re-emergence of respiratory viruses in Southern California</b>  <a href="#">Benjamin Singer</a></p> <p><b>16:30 - 16:50 [O09.2]</b>  <b>Reconstructing the early spatial spread of pandemic respiratory viruses in the United States</b>  <a href="#">Sen Pei</a></p> <p><b>16:50 - 17:10 [O09.3]</b>  <b>The effect of non-pharmaceutical interventions (NPIs) against COVID-19 on the respiratory pathogen <i>Mycoplasma pneumoniae</i>: Estimation on current observations and prediction for future epidemics</b>  <a href="#">Xu-Sheng Zhang</a></p> <p><b>17:10 - 17:30 [O09.4]</b>  <b>A modelling framework to reduce the computational complexity of a multi-serotype dynamic transmission model of <i>Streptococcus pneumoniae</i></b>  <a href="#">John C Lang</a></p> <p><b>17:30 - 17:50 [O09.5]</b>  <b>Characterizing potential interactions between SARS-CoV-2 and influenza virus</b>  <a href="#">Can Wang</a></p>
<p>17:50 - 19:20</p>	<p><b>Poster Session 2</b>   Sunset Ballroom</p>		

**Tuesday, December 2, 2025**

<p>08:30 - 10:30</p>	<p><b>Invited Speaker Sessions</b>   Paradise Ballroom   <a href="#">Chair: James Lloyd-Smith</a></p> <p><b>08:30 - 09:10 [INV04]</b> Impact of immunity on respiratory virus transmission in South Africa, <a href="#">Cheryl Cohen</a>  <b>09:10 - 09:50 [INV05]</b> Within host dynamics of viral infection and treatment, <a href="#">Alan S Perelson</a>  <b>09:50 - 10:30 [INV06]</b> Data-informed inference and simulation of contagious processes, <a href="#">Jeffrey Shaman</a></p>		
<p>10:30 - 11:00</p>	<p><b>Refreshment Break</b>   Sunset Ballroom</p>		
<p>11:00 - 12:20</p>	<p><b>Session 10: Bayesian methods</b>   Palm Island   <a href="#">Chair: Max Lau</a></p>	<p><b>Session 11: Household transmission</b>   Royal Pacific   <a href="#">Chair: Kaiyuan Sun</a></p>	<p><b>Session 12: Antimicrobial resistance</b>   Mission Bay   <a href="#">Chair: Yonatan Grad</a></p>

<p><b>11:00 - 11:20 [O10.1]</b> Recovering true measles transmission dynamics from biased surveillance data using a Bayesian correction framework <a href="#">Taye Faniran</a></p> <p><b>11:20 - 11:40 [O10.2]</b> Simulation-based inference of epidemic and phylodynamic models via neural posterior estimation <a href="#">Francesco Pinotti</a></p> <p><b>11:40 - 12:00 [O10.3]</b> Bayesian spatio-temporal modelling for infectious disease outbreak detection <a href="#">Matthew Adeoye</a></p> <p><b>12:00 - 12:20 [O10.4]</b> A generalized Bayesian hierarchical approach for modeling within-host temporal viral load dynamics <a href="#">Hannah Waddel</a></p>	<p><b>11:00 - 11:20 [O11.1]</b> Hestia: A flexible framework for longitudinal household transmission modeling <a href="#">Claire Smith</a></p> <p><b>11:20 - 11:40 [O11.2]</b> Intrahousehold transmission of Andes virus in Chile: susceptibility, infectivity, and key risk factors <a href="#">Carolina Henriquez</a></p> <p><b>11:40 - 12:00 [O11.3]</b> Comparative pre-symptomatic transmission potential of influenza A and SARS-CoV-2 in households <a href="#">Chengyao Zhang</a></p> <p><b>12:00 - 12:20 [O11.4]</b> Impact of study design on the estimation of epidemiological parameters of respiratory viruses from prospective household studies - a modelling analysis <a href="#">Sophie Chervet</a></p>	<p><b>11:00 - 11:20 [O12.1]</b> Geographic spillover of antimicrobial resistance resulting from mass distribution of azithromycin <a href="#">Ariktha Srivathsan</a></p> <p><b>11:20 - 11:40 [O12.2]</b> Quantifying the impact of antibiotic use and genetic determinants of resistance on bacterial lineage dynamics <a href="#">David Helekal</a></p> <p><b>11:40 - 12:00 [O12.3]</b> The global phylogeography of a rapidly expanding Ural lineage 4.2 MDR-TB strain <a href="#">Melanie Chitwood</a></p> <p><b>12:00 - 12:20 [O12.4]</b> Multiple mechanistic models of strain competition are needed to capture pneumococcal serotype-specific antibiotic resistance patterns <a href="#">Hannah Lepper</a></p>		
<p>12:20 - 14:00</p>	<p><b>Lunch</b> Paradise Terrace</p>	<p><b>Special Session 1: Collaboratory: A laboratory for collaborative analysis World Health Organisation, Germany</b> Palm Island   <a href="#">Chair: Julia Fitzner</a></p> <p><b>12:20 - 14:00 [SS1]</b> Collaboratory: A laboratory for collaborative analysis <a href="#">Julia Fitzner</a></p>	<p><b>Special Session 2: The Art of Epidemics: Data Storytelling through Effective Visualizations   Northeastern University, USA   Royal Pacific  </b> <a href="#">Chair: Jessica Davis</a></p> <p><b>12:20 - 14:00 [SS2]</b> The Art of Epidemics: Data Storytelling through Effective Visualizations <a href="#">Jessica Davis</a></p>	<p><b>Special Session 3: Infectious Disease Modeling in Applied Public Health across Scales   California Department of Public Health, USA   Mission Bay</b>   <a href="#">Chair: Tomas Leon</a></p> <p><b>12:20 - 14:00 [SS3]</b> Infectious Disease Modeling in Applied Public Health across Scales <a href="#">Tomas Leon</a></p>
<p>14:00 - 15:40</p>	<p><b>Session 13: COVID-19   Palm Island  </b> <a href="#">Chair: James McCaw</a></p> <p><b>14:00 - 14:20 [O13.1]</b> Evaluating the impact of non-pharmaceutical interventions using genomic and social network epidemiology in Denmark <a href="#">Christian Morgenstern</a></p> <p><b>14:20 - 14:40 [O13.2]</b> Evidence of population-level indirect protection from COVID-19 vaccine-derived immunity against SARS-CoV-2 infection across spatial scales in California state prisons <a href="#">Sophia Tan</a></p> <p><b>14:40 - 15:00 [O13.3]</b> High-resolution epidemic monitoring: temporal and network dynamics of SARS-CoV-2 transmission and its drivers <a href="#">Luca Ferretti</a></p> <p><b>15:00 - 15:20 [O13.4]</b></p>	<p><b>Session 14: Human influenza   Royal Pacific  </b> <a href="#">Chair: Cheryl Cohen</a></p> <p><b>14:00 - 14:20 [O14.1]</b> Investigating the predictive power of machine learning algorithms for antigenic novelty of influenza H3 viruses <a href="#">Lucy Greenwood</a></p> <p><b>14:20 - 14:40 [O14.2]</b> Sex differences in antibody responses to influenza A/H3N2 across the life course <a href="#">Siyu Chen</a></p> <p><b>14:40 - 15:00 [O14.3]</b> Quantifying sources of variation in influenza vaccine responses using Bayesian hierarchical models <a href="#">Marcos C. Vieira</a></p> <p><b>15:00 - 15:20 [O14.4]</b> Disentangling the drivers of geographically-structured influenza</p>	<p><b>Session 15: Childhood infections   Mission Bay  </b> <a href="#">Chair: Michiel Boven</a></p> <p><b>14:00 - 14:20 [O15.1]</b> The effect of demographic change and vaccine introduction on rotavirus transmission in Mozambique: A modeling analysis <a href="#">Aniruddha Deshpande</a></p> <p><b>14:20 - 14:40 [O15.2]</b> Respiratory virus transmission in schools: A longitudinal study of molecular, physical proximity and air quality data <a href="#">Nicolas Banholzer</a></p> <p><b>14:40 - 15:00 [O15.3]</b> Estimating measles immunity gaps and transmission risks in Italy: Regional heterogeneities and the role of unvaccinated adults <a href="#">Valentina Marziano</a></p>	

	<p><b>Unraveling the impact of non-pharmaceutical interventions on pathogen mutation for SARS-CoV-2</b> <a href="#">Jiaqi Chen</a></p> <p><b>15:20 - 15:40 [O13.5]</b> <b>Estimating vaccine effectiveness of COVID-19 bivalent booster using a test restricted target trial emulation</b> <a href="#">Beau Schaeffer</a></p>	<p><b>seasonality: Beyond environmental factors</b> <a href="#">Giulia Pullano</a></p> <p><b>15:20 - 15:40 [O14.5]</b> <b>Investigating reassortment patterns in human Influenza A viruses</b> <a href="#">Luis R. Esquivel Gomez</a></p>	<p><b>15:00 - 15:20 [O15.4]</b> <b>Strategic modeling to inform new WHO guidelines on universal introduction of rubella vaccine</b> <a href="#">Amy Winter</a></p> <p><b>15:20 - 15:40 [O15.05]</b> <b>The immune response of children to vaccination is seasonal</b> <a href="#">Laura Andrea Barrero Guevara</a></p>
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**15:40 - 17:10** | **Poster Session 3 | Refreshment Break** | Sunset Ballroom

<p><b>17:10 - 18:30</b></p>	<p><b>Session 16: Immuno-dynamics</b>   Palm Island   <b>Chair: Sarah Cobey</b></p> <p><b>17:10 - 17:30 [O16.1]</b> <b>Immune boosting and the perils of interpreting pertussis seroprevalence studies</b> <a href="#">Matthieu Domenech de Cellès</a></p> <p><b>17:30 - 17:50 [O16.2]</b> <b>Joint bayesian modelling of H1N1 and H3N2 antibody dynamics clarifies co-Infection and cross-reactivity</b> <a href="#">Tim K. Tsang</a></p> <p><b>17:50 - 18:10 [O16.3]</b> <b>Childhood immune imprinting shapes cohort and period influenza mortality</b> <a href="#">Kylee Hoffman</a></p> <p><b>18:10 - 18:30 [O16.4]</b> <b>Statistical methods for estimating the protective effects of immune markers using test-negative designs</b> <a href="#">Casey Middleton</a></p>	<p><b>Session 17: Novel analytics</b>   Royal Pacific   <b>Chair: Cecile Tran-Kiem</b></p> <p><b>17:10 - 17:30 [O17.1]</b> <b>Transmission waiting time: A unifying metric for outbreak controllability</b> <a href="#">Christopher Shin</a></p> <p><b>17:30 - 17:50 [O17.2]</b> <b>Generating function framework for spatiotemporal computational epidemiology</b> <a href="#">Guillaume St-Onge</a></p> <p><b>17:50 - 18:10 [O17.3]</b> <b>A scalable Bayesian framework for pairwise analysis of pathogen genomic data: An application for studying Mycobacterium tuberculosis transmission</b> <a href="#">Yu Lan</a></p> <p><b>18:10 - 18:30 [O17.4]</b> <b>Impact of vaccine-induced severity attenuation on bias in vaccine effectiveness estimates from test-negative designs</b> <a href="#">Caifen Liu</a></p>	<p><b>Session 18: Wastewater surveillance</b>   Mission Bay   <b>Chair: Dave Larsen, Kathy Leung</b></p> <p><b>17:10 - 17:30 [O18.1]</b> <b>Estimated transmission dynamics of SARS-CoV-2 variants from wastewater are unbiased and robust to differential shedding</b> <a href="#">David Dreifuss</a></p> <p><b>17:30 - 17:50 [O18.2]</b> <b>Diversity of SARS-CoV-2 genome in wastewater predicts infections and hospitalizations better than concentrations</b> <a href="#">David Larsen</a></p> <p><b>17:50 - 18:10 [O18.3]</b> <b>Boosting vaccination uptake using wastewater surveillance: a county-randomized controlled trial</b> <a href="#">David Larsen</a></p> <p><b>18:10 - 18:30 [O18.4]</b> <b>A mechanistic model of in-sewer viral fate and transport of SARS-CoV-2 to inform wastewater surveillance strategies</b> <a href="#">Shokoofeh Nourbakhsh</a></p>
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**18:35 - 20:00** | **Conference Networking Reception (tickets to be purchased)** | Sunset Terrace

**Wednesday, December 3, 2025**

<p><b>08:50 - 09:50</b></p>	<p><b>Special session - Joshua Weitz, University of Maryland, USA</b>   Royal Pacific <b>[SS4] Confronting Covid's Wake: Revisionism isn't going away on its own, <a href="#">Joshua S Weitz</a>, University of Maryland, USA</b></p>		
<p><b>09:50 - 10:20</b></p>	<p><b>Refreshment Break</b>   Sunset Ballroom</p>		
<p><b>10:20 - 12:00</b></p>	<p><b>Session 19: Forecasting</b>   Palm Island <b>Chair: Michael Johansson</b></p>	<p><b>Session 20: Vaccine strategies and impact</b>   Royal Pacific <b>Chair: Emilia Vynnycky</b></p>	<p><b>Session 21: Public health, Policy and Education</b>   Mission Bay <b>Chair: Emily Howerton</b></p>

	<p><b>10:20 - 10:40 [O19.1]</b>  <b>Foundation models for time series forecasting and policy evaluation in infectious disease epidemics, <a href="#">Suprabhath Kalahasti</a></b></p> <p><b>10:40 - 11:00 [O19.2]</b>  <b>Building infectious disease modeling capacity through collaboration efforts between academia and public health in North Carolina, <a href="#">Matthew Mietchen</a></b></p> <p><b>11:20 - 11:40 [O19.3]</b>  <b>Integrated framework for real-time influenza forecasts and seasonal scenario projections, <a href="#">Michal Ben-Nun</a></b></p> <p><b>11:40 - 12:00 [O19.4]</b>  <b>California West Nile Virus forecasting challenges in 2024 and 2025 <a href="#">Héctor M. Sánchez C.</a></b></p> <p><b>11:40 - 12:00 [O19.5]</b>  <b>California West Nile Virus forecasting challenges in 2024 and 2025 <a href="#">Héctor M. Sánchez C.</a><sup>1</sup>, <a href="#">Mary Beth Danford</a><sup>2</sup>, <a href="#">Andrea Lund</a><sup>2</sup>, <a href="#">Vicki Kramer</a><sup>2</sup>, <a href="#">Tomás León</a><sup>2</sup></b>  <sup>1</sup><i>California Department of Public Health, Richmond, CA, USA.</i>  <sup>2</sup><i>California Department of Public Health, Sacramento, CA, USA</i></p>	<p><b>10:20 - 10:40 [O20.1]</b>  <b>Mathematical modeling to assess the drivers of rebound in 19F invasive pneumococcal disease following a switch from PCV7 to PCV13 in the United States, <a href="#">Deus Thindwa</a></b></p> <p><b>10:40 - 11:00 [O20.2]</b>  <b>Optimal vaccination in ageing populations <a href="#">Michiel van Boven</a></b></p> <p><b>11:00 - 11:20 [O20.3]</b>  <b>Accelerating vaccine trials during Disease-X: Nipah-X in South Asia as a case study, <a href="#">Robert Hinch</a></b></p> <p><b>11:20 - 11:40 [O20.4]</b>  <b>Optimal booster vaccination strategies: Should we wait for a variant-adapted vaccine? <a href="#">Abbie Evans</a></b></p> <p><b>11:40 - 12:00 [O20.5]</b>  <b>Antibody Dependent Enhancement: implications for vaccine design <a href="#">Riley Drake</a></b></p>	<p><b>10:20 - 10:40 [O21.1]</b>  <b>The study of the effects of the full-scale Russian-Ukrainian war on the epidemiological situation and respiratory and intestinal diseases in the Kharkiv region of Ukraine from 2022 to 2024, <a href="#">Alexander Kirpich</a></b></p> <p><b>10:40 - 11:00 [O21.2]</b>  <b>Establishing core competencies in infectious disease dynamics for doctoral training, <a href="#">Lindsay Keegan</a></b></p> <p><b>11:00 - 11:20 [O21.3]</b>  <b>New-entrant latent TB screening in the UK can be cost effective if patient retention along the care pathway is improved, and the full health benefit of averting TB disease is considered, <a href="#">Peter White</a></b></p> <p><b>11:20 - 11:40 [O21.4]</b>  <b>Polio Eradication: quantifying what's at stake, <a href="#">Isobel M Blake</a></b></p> <p><b>11:40 - 12:00 [O21.5]</b>  <b>Unravelling the spatiotemporal patterns of vaccine-derived poliovirus 2 spread in the Democratic Republic of the Congo, <a href="#">Kieran Chopra</a></b></p>
<p>12:00 - 12:40</p>	<p><b>Chair: <a href="#">Cecile Viboud</a> &amp; <a href="#">Joseph Wu</a></b>  <b>[INV07] How the war in Ukraine affects HIV transmission dynamics and the wellbeing of those at risk   Royal Pacific</b>  <a href="#">Tetyana Vasylzeva</a></p>		
<p>12:40 - 13:00</p>	<p><b>Conference Closing   Royal Pacific</b></p>		