2nd International Meeting on Respiratory Pathogens 2018 PROGRAMME

DAY 1	Wednesday 7 March		
0800 - 0900	Registration & Poster Setup		
0900 - 0930	Opening Ceremony		
	Introduction to Keynote Speaker		
0930 - 1015	Keynote Address		
	Evolution Will Outsmart Intelligent Design Every Time. Emerging Respiratory Pathogens: What Challenges Do We Face? Maria Zambon Public Health England, UK		
1015 - 1045	Tea Break		
1045 - 1115	Plenary I		
	The Role of the Microbiome in Chronic O	-	
1115 - 1145	Philip Hansbro University of Newcastle Au Plenary II	stralia	
	•		
	Respiratory Syncytial Virus Peter Openshaw Imperial College London		
	Lunch Break + lunch Session on AMR/Infection Control – The Importance of		
	Infection Control to Battle Antimicrobial Resistance		
	Sponsored by Mundipharma		
1145 – 1345 Talks begin at 1215	The Antimicrobial Resistance Challenge and Importance of Hygiene Intervention Wing Hong SETO University of Hong Kong, Hong Kong SAR New Viruses, New Outbreaks, New Interventions Hoe Nam LEONG Mount Elizabeth Novena Hospital, Singapore Adopting European Norms on Standardised Testing of Antiseptics Including Povidone- Iodine Against Viruses Maren EGGERS Heidelberg University, Germany Open Discussion/ FAQ		
1345 - 1530	Parallel Session 1	Parallel Session 2	
	Burden and Epidemiology of Acute Respiratory Infections	Immunology of Respiratory Pathogens (including Disease Pathogenesis and Host Dynamics)	
	Chair: Jean-Michel Heraud	Chair: Peter Openshaw	
	Invited Talk 1 Cheryl Cohen	Invited Talk 1 Stephan Ludwig	
	Burden of Influenza and RSV in Africa	Cellular MEK inhibitors Act Antiviral Against Influenza Viruses by Preventing Binding of M1 to NP Leading to RNP Retention in the Nucleus	
Day 1	Invited Talk 2 Arnold Monto	Talk 2	
	Correlates of vaccine protection against influenza in HIVE, a longitudinal cohort of households	TBC Title pending	

Wednesday 7	Talk 3 Danielle Rentz Hunt	Talk 3 Jessica Belser	
March cont'd	The Pregnancy and Influenza Multinational Epidemiologic (PRIME) Study: Design and Methods of a Multi-Country Cohort to Estimate Incidence and Impact of Influenza during Pregnancy in Low- or Middle-Income Countries (LMICs)	Influenza Virus Tropism in Respiratory and Ocular Cells	
	Talk 4 Vanessa Cozza	Talk 4 Wenwei Tu	
	Approach and Challenges to Estimating Global Estimates of Influenza-associated Respiratory Hospitalizations: The InfluEnza BurdEn, Global Project (IcEBErG), World Health Organization	Human Gammadelta-T cells Synergize CD4 Tfh Cells to Produce Influenza Virus-Specific Antibody	
	Talk 5 Joelinotahiana Rabarison	Talk 5	
	Burden and Epidemiology of Influenza- and Respiratory Syncytial Virus-Associated Severe Acute Respiratory Illness Hospitalization in Madagascar, 2011-2016.	Title TBC	
1530 - 1600	Tea break		
1600 - 1745	Parallel Session 3	Parallel Session 4	
	Advances in Respiratory Pathogen Vaccines	AVG Session 1 Emerging Respiratory Virus Threats: New Insights	
	Chair: Gavin Smith	Chair: Aeron Hurt	
1600 - 1625	Invited Talk 1 Philippe Buchy	Invited Talk 1 Aeron Hurt	
	The role of vaccines in preventing antimicrobial resistance	Neuraminidase inhibitor resistance: detection and response	
1625 - 1650	Invited Talk 2 Raffael Nachbagauer	Invited Talk 2 Bin Cao	
	Catching a moving target: A universal influenza virus vaccine strategy based on the conserved stalk domain of the hemagglutiin	Clinical features and management of avian influenza A(H7N9) virus infection: Chinese guidelines	
	Talk 3 Min Levine	Invited Talk 3 Timothy R Watkins	
	Head to Head Comparison of A(H3N2) Antibody Responses Following High Dose, Adjuvanted and Standard Dose Influenza Vaccination Licensed for Elderly in the United States	Remdesivir (GS-5734) for the Treatment of Pathogenic Coronavirus and Other RNA virus Infections with High Outbreak Potential	
	Talk 4 Lynda Coughlan	Talk 4 Xiaohui Zou	
	Improving the immunogenicity of vaccine antigens delivered by non-replicating adenoviral vectored vaccines by exosome- display	Dynamic variation and reversion in the signature amino acid of H7N9 virus during human infection	
Day 1 Wednesday cont'd	Talk 5Barnaby YoungImproving Year-round Protection fromInfluenza Infection in Tropical Countrieswith Six-monthly Vaccination: Results of theTROPICS1 Randomised Controlled Trial.	Talk 5 Awaiting confirmation of title	

1745 - 1815	Break before Plenary		
	Plenary III		
1815 - 1845	The Great Influenza: A historical perspective of the 1918 pandemic		
1845 - 1945	Geoffrey W. Rice University of Canterbury New Zealand		
	Poster Session I with Authors & Networ	king Drinks	
1945 - 2115	Appreciation Dinner for Invited Speakers		
	End of Day	1	
DAY 2	Thursday 8 March		
0730 - 0830	Registration (Foyer) & Poster Setup		
	Plenary IV		
0830 - 0900	Pneumococcal diseases in the post-vacci	ne era	
	Doo-Ryeon Chung Samsung Medical Center - Sungkyunkwan University Republic of Korea		
0900	Plenary V		
0930 - 1000	Etiology of pneumonia in children		
0930 0930 - 1000	David Murdoch University of Otago New Zealand		
1000 - 1145	Tea break		
1000 - 1145	Parallel Session 5	Parallel Session 6	
	AVG Session 2 Advances in Respiratory Virus Therapeutics	Special Track Updates on Respiratory Diseases for Policy Makers	
	Chair: Fred Hayden	Chair: Paul Tambyah	
	Invited Talk 1 Fred Hayden	Invited Talk 1 Vernon Lee	
	Influenza polymerase inhibitors	What policy makers need to know when crafting policy on surveillance, vaccination and public health responses to influenza and other emerging respiratory infections	
	Invited Talk 2 John Beigel	Talk 2 Meredith McMorrow	
	Influenza monoclonals and passive immunotherapy	Framework to guide influenza vaccination policy in resource limited settings: a case study from South Africa	
	Invited Talk 3 Jason Chien	Talk 3 Alex Cook	
	Lessons from RSV inhibitor studies	Public preferences for interventions to prevent emerging infectious disease threats: a discrete choice experiment	
	Talk 4 Norio Sugaya	Talk 4 Peter White	
	Cap-dependent endonuclease inhibitor baloxavir marboxil for the treatment of influenza: Results from a Phase 3, open- label study in otherwise healthy pediatric patients with seasonal influenza	Assessment of the effectiveness of England's National Pandemic Flu Service, a patient assessment and antiviral distribution system used in the 2009 influenza A/H1N1 pandemic	

Day 2 Thursday	Talk 5 Angie Lackenby	Talk 5 Yirong Chen	
contd	Experimental Evolution of Resistance to Favipiravir in Influenza	The effect of school closure on hand, foot and mouth disease transmission in Singapore: a modelling study	
	LUN	CH BREAK	
	Plus lunch session on Influe	enza Vaccination Throughout Life	
	Sponsored by G	SK See AGENDA below	
1145 - 1345	During this symposium, a panel of influenza experts and experienced clinicians will discuss the rational for vaccination as well as the epidemiological and clinical characteristics of influenza disease in high-risk groups of people Gavin Smith (Chair) SPEAKERS:		
Talks begin at	Lance Jennings University of Otago,	New Zealand	
1215		ildren's Hospital, Singapore	
	Philippe Buchy GSK Vaccines		
	Leong Hoe Nam Mt Elizabeth Noven	a Hospital, Singapore	
	Jing Chen GSK Vaccines		
		Hospital, Singapore	
	Michael Nissen GSK Vaccines		
1345 - 1530	Parallel Session 7 Surveillance Systems and Public Health Prevention Strategies	Parallel Session 8 Evolution and Molecular Epidemiology of Respiratory Pathogens	
	Chair: Dan Jernigan	Chair: Sebastian Maurer-Stroh	
	Invited Talk 1 Dan Jernigan	Invited Talk 1 Richard Neher	
	50 Years and going strong: addressing the vaccine challenges of H3N2	Real-time analysis and forecasting of influenza virus evolution	
	Talk 2 Nancy Leung	Invited Talk 2: Jemma Geoghegan	
	Detection of Respiratory Viruses and Efficacy of Face Masks in Reducing Viral Release in Human Exhaled Breath	Reconstructing the antigenic evolution of influenza A/H3 viruses in multiple hosts	
	Talk 3 Kristen Coleman	Talk 3 Martin Linster	
	Bioaerosol Sampling for Respiratory Viruses in the Singapore Mass Rapid Transit Network	Genetic diversity of Rhinoviruses and Enteroviruses in adults in Singapore 2007 to 2013	
	Talk 4 Mahbubur Rahman	Talk 4 Keisuke Yoshihara	
	Potential for aerosolization and transmission of Avian Influenza A from animal to human at the human-animal interface of live bird markets in Bangladesh	Evolutionary Dynamics of Globally Spreading RSV Subgroup-A ON1 Genotype	
	Talk 5 Chris Chadwick & Claudia Nannei	Talk 5	
	Local production of influenza Vaccines: results from the Global Action Plan for	Awaiting confirmation of title	
	influenza vaccines technology transfer and		
	sustainable production projects		
1530 - 1600	Tea break		

Day 2 Thursday contd 1600 - 1630	Plenary VI One-Health Approach to EID: from outbreak investigation to vaccine development Linfa Wang Duke-NUS Medical School, Singapore			
	Demonstrations	1630 – 1830 Oster Session II /ith authors and etworking drinks	1630 – 2030 Expert Dialogue on Infection Control with Mundipharma (By invitation)	
	End of Da	iy 2		
Day 3	Friday 9 March			
0800 - 0900	Registration (Foyer)			
0900 - 0930	Plenary VII Population Based Interventions to Prevent Respiratory Infections Ben Cowling The University of Hong Kong, Hong Kong SAR			
0930 - 1000	Ben Cowling The University of Hong Kong, Hong Kong SAR Tea break			
	Parallel Session 9	Par	Parallel Session 10	
1000 - 1145	New Advances in Diagnostics (to include host responses for diagnostic and prognostication)	-	ne Spread of Respiratory Pathogens	
	Chair: Lance Jennings	Chair: Ben Cowli	Chair: Ben Cowling	
	Invited Talk 1 Sandy Tze-Minn Mak	Invited Talk 1 A	lex Cook	
	Culture clash – public health surveillance the era of molecular diagnostics		ctiveness of pandemic regies in the general community populations	
	Talk 2 Martin Chi-Wai Chan	Talk 2 Matthew	/ Biggerstaff	
	Use of metagenomic next-generation sequencing in diagnosis of respiratory viruses in a cohort of patients admitted to intensive care unit	Results from five years of seasonal influenza forecasting challenges in the United States, 20 to 2018		

Day 3 Friday	Talk 3 Tristan Clark	Talk 3 Bo Xu
contd	Clinical benefits of molecular point-of-care testing for viruses are dependent on a rapid turnaround time: results of a large pragmatic RCT	Mechanisms for multiple waves in an influenza season
	Talk 4 Marc Hovestaedt	Talk 4 Bo Dickens
	FluType - development of a peptide based fine typing platform for influenza A viruses	Global mapping of intervention cost-effectiveness and disease control priorities for respiratory illnesses: a systematic review and spatial meta- analysis.
	Talk 5 Hong Kai Lee	Talk 5 Aaron Prussin II
	The social network of respiratory viruses in Singapore	Interplay of environmental conditions and survival of influenza aerosols
1145 - 1300	LUNCH	
	Parallel Session 11	Parallel Session 12
1300 - 1445	Respiratory Syncytial Virus	Respiratory Pathogen Co-infections
	Chaim Manna da Jana	Chaim Dhill Hanshus
	Chair: Menno de Jong	Chair: Phil Hansbro
	Invited Talk 1 Larry Kauvar	Invited Talk 1 Erik Karlsson
		Etiology, outcome and co-factors of SARI in Cambodian children from 2014 to 2017
	Talk 2 Andrej Egorov	Talk 2 Zhou Fei
	A novel XC221 compound for treatment of RSV infection	Risk factors for nosocomial infection among hospitalised severe influenza A(H1N1)pdm09 patients
	Talk 3 Clarence Tam	Talk 3 Kosalaraksa Pope
	Burden and cost of hospitalisation due to respiratory syncytial virus in children under 30 months in Singapore	Inactivated quadrivalent influenza vaccine protects against disease and reduces healthcare and antibiotic use in children aged 6 to 35 months: a randomized controlled efficacy trial during 2011 to 2014
	Talk 4 Cynthia Mathew	Talk 4 Mahesh Moorthy
	Inhibition of XPO1-mediated transport by Verdinexor and Curcumin results in reduced Respiratory Syncytial Virus (RSV) Replication in Cell Culture	Epidemiology and risk of mortality due to viral ALRI among children under 2 years at a tertiary hospital in Vellore, India.
	Talk 5 Rodica Gilca	Talk 5
	Impact of new palivizumab recommendations in healthy term infants in a circumpolar region of Quebec, Canada: first year results	Title TBC
1445 - 1515	Plenary VIII	
	The Future of Combating Pandemics Nahoko Shindo World Health Organisatio	n

End of Day 3

Saturday 10 MARCH at the Four Points Sheraton at Singapore, (next to the Grand Copthorne Waterfront Hotel)

Additional Event: MASTERCLASS – Vaccination and Healthy Aging

(separate registration required)

Time	Module & Summary of Content	Speaker(s) & Affiliation
12:00-13:20	Lunch	
13:20-13:30	Welcome and introduction	 Gavin SMITH Professor, Programme in Emerging Infectious Disease, Duke-NUS Medical School, Singapore
13:30-14:10	What is immunosenescence?	
	A healthy immune system (short summary: how immune system controls infections, innate immune response, adaptive immune response)	 OOI Eng Eong Professor & Deputy Director, Emerging Infectious Disease Programme, Duke-NUS Medical School, Singapore
	Biological age: an immunologist perspective (definition of immunosenescence, chronological age vs biological age), Changes in the immune system associated with age (effects of age on the various compartments of the immune system)	 Lisa Fong Poh NG Sr. Principal Investigator, Laboratory of Microbial Immunity, A*STAR, Singapore Adjunct Assoc. Prof. NUS and Duke-NUS Medical School, Singapore
	Q&A	All speakers
14:10-15:25	Impact of immunosenescence on vaccination Why vaccinate older adults (vaccines	Jenny LOW Guek Hong
	recommended in older age groups, rationale of vaccines usually recommended)	 Sr. Consultant, Dept. Infectious Diseases, SGH, Singapore Assoc. Prof. Emerging Infectious Diseases
	Immune response to vaccination in older adults (normal immune response to vaccination vs reduced immune response to vaccines in elderly)	Programme, Duke-NUS Medical School, Singapore
	Immunosenescence and the experience with Hepatitis A and Hepatitis B vaccines (disease burden, clinical particularities, immunogenicity and efficacy of vaccines in older adults)	Woo-Yun SOHN South East Asia Cluster Medical Lead, GSK Vaccines
	Immunosenescence and experience with influenza vaccines (disease burden, clinical particularities, immunogenicity and efficacy of vaccines in older adults)Philippe BUCHY Director, Scientific Affairs & Public Health, Vaccines	

adultsSungkyunkwan University School of Medicine, Samsung Medical Centre, South KoreaShingles – clinical case reportLEO Yee Sin • Professor & Director of Institute of Infectious Disease and Epidemiology, TTSH, Singapore • Clinical Director of Communicable Disease Centre, TTSH, SingaporeTetanus, diphtheria and pertussis in older adults: what are the risks?LEONG Hoe Nam • Medical Director & Consultant Infectious Disease Physician, Rophi Clinic, Singapore • Adjunct Assoc. Prof. Duke-NUS Medical School, SingaporeInfluenza – Impact of influenza disease on older adults with and without particular underlying diseasesReshma A MERCHANT • Assoc. Prof. & Head of Division of Geriatric Medicine, NUS, SingaporeHow to improve vaccination uptakeHanley HO Jian An		Immunosenescence and response to inactivated and live-attenuated zoster vaccines (disease burden, clinical particularities, immunogenicity and efficacy of vaccines in older adults)	Michael NISSEN Director, Scientific Affairs & Public Policy, GSK Vaccines
15:50-16:45 How to improve the efficacy of vaccination in older adults? Contribution of herd immunity to protection of older adults (principles, example of influenza vaccination of young children to provide herd immunity for older adults) Sanjoy DATTA Higher vaccine doses (influenza, zoster) Philippe BUCHY Alternative delivery routes Beatrice LAUPEZE Adjuvants (mechanisms of action, aluminium, MF59, GSK adjuvant systems, etc.) Beatrice LAUPEZE Q&A All speakers 16:45-18:10 Case studies - Clinical expert's opinion (list of indicative topics that could be covered by clinicians) Doo-Ryeong CHUNG Professor & Chief, Division of Infectious Diseases, samsung Medical Centre, South Korea LEO Yee Sin Shingles - clinical case report LEO Yee Sin Professor & Director of Institute of Infectious Diseases Centre, TISH, Singapore Iclinical Director of Communicable Diseases on older adults what are the risks? LEONG Hee Nam Medical Director & Consultant Infectious Disease Physician, Rophi Clinic, Singapore Influenza – Impact of influenza disease on older adults with and without particular underlying diseases Centre, TISH, Singapore Adjuctal Director, Yong Loo Lin School of Medicine, NUS, Singapore How to improve vaccination uptake Hanley HD Jian An Hanley HD Jian An		Q&A	All speakers
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vaccination in older adults? Sanjoy DATTA Contribution of herd immunity to protection of older adults (principles, example of influenza, vaccination of young children to provide herd immunity for older adults) Sanjoy DATTA Higher vaccine doses (influenza, zoster) Philippe BUCHY Alternative delivery routes Beatrice LAUPEZE Adjuvants (mechanisms of action, aluminium, MF59, GSK adjuvant systems, etc.) Philippe BUCHY Q&A All speakers 16:45-18:10 Case studies – Clinical expert's opinion (list of indicative topics that could be covered by clinicians) Challenges in preventing pneumococcal disease in older adults Doo-Ryeong CHUNG Professor & Chief, Division of Infectious Diseases, Sungkyunkwan University School of Medicine, Samsung Medical Centre, South Korea LEO Vee Sin - Conditical expert's opinion (list of indicative topics that could be covered by clinicians) Doo-Ryeong CHUNG Professor & Director of Institute of Infectious Disease and Epidemiology, TISH, Singapore LEO Vee Sin - Verofessor & Director of Institute of Infectious Disease Physician, Rophi Clinic, Singapore Tetanus, diphtheria and pertussis in older adults: what are the risks? LEONG Hoe Nam Influenza – Impact of influenza disease on older adults with and without particular underlying diseases AMECHANT Assoc. Prof. & Head of Division of Geriatric Medicine, NUS, Singapore Adju	15:25-15:50	lea break	
protection of older adults (principles, example of influenza vaccination of young children to provide herd immunity for older adults) Vice President, Clinical R&D & Medical Affairs, GSK Vaccines Higher vaccine doses (influenza, zoster) Philippe BUCHY Director, Scientific Affairs & Public Health, GSK Vaccines Alternative delivery routes Beatrice LAUPEZE Sr. Mgr., Global Medical Affairs, GSK Vaccines Q&A All speakers Q&A All speakers Case studies - Clinical expert's opinion (list of indicative topics that could be covered by clinicians) Doo-Ryeong CHUNG Professor & Chief, Division of Infectious Diseases, Sungkyunkwan University School of Medicine, Samsung Medical Centre, South Korea Shingles - clinical case report LEO Yee Sin • Professor & Director of Institute of Infectious Disease and Epidemiology, TTSH, Singapore • Clinical Director of Communicable Diseases Centre, TTSH, Singapore • Tetanus, diphtheria and pertussis in older adults: what are the risks? LEON Hoe Nam • Medical Director & Consultant Infectious Disease Physician, Rophi Clinic, Singapore Singapore • Influenza – Impact of influenza disease on older adults with and without particular underlying diseases Reshma A MERCHANT • Assoc. Prof. & Head of Division of Geriatric Medicine, NUS, Singapore • Geriatric Education Director, Yong Loo Lin School of Medicine, NUS, Singapore	15:50-16:45		
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Adjuvants (mechanisms of action, aluminium, MF59, GSK adjuvant systems, etc.) Sr. Mgr., Global Medical Affairs, GSK Vaccines Q&A All speakers 16:45-18:10 Case studies – Clinical expert's opinion (list of indicative topics that could be covered by clinicians) Doo-Ryeong CHUNG Challenges in preventing pneumococcal disease in older adults Doo-Ryeong CHUNG Shingles – clinical case report Doo-Ryeong CHUNG Shingles – clinical case report LEO Yee Sin Tetanus, diphtheria and pertussis in older adults: what are the risks? Director of Institute of Infectious Disease Centre, TTSH, Singapore Influenza – Impact of influenza disease on older adults with and without particular underlying diseases Influenza dolts with and without particular underlying diseases How to improve vaccination uptake Reshma A MERCHANT		Higher vaccine doses (influenza,	Director, Scientific Affairs & Public Health, GSK
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disease on older adults with and without particular underlying diseases• Assoc. Prof. & Head of Division of Geriatric Medicine, NUS, Singapore• Geriatric Education Director, Yong Loo Lin School of Medicine, NUS, SingaporeHow to improve vaccination uptakeHanley HO Jian An		· · · ·	 Medical Director & Consultant Infectious Disease Physician, Rophi Clinic, Singapore Adjunct Assoc. Prof. Duke-NUS Medical School,
		disease on older adults with and without particular underlying diseases	 Assoc. Prof. & Head of Division of Geriatric Medicine, NUS, Singapore Geriatric Education Director, Yong Loo Lin School of Medicine, NUS, Singapore
perspective Singapore		in older adults? A clinician perspective	Consultant of Dept. Clinical Epidemiology, TTSH, Singapore
Q&A All speakers		U&A	All speakers
18:10-18:15 Closure Gavin SMITH	18:10-18:15	Closure	Gavin SMITH

AGENDA - GSK LUNCH SYMPOSIUM

Thursday 8 March 2018

Title: Influenza Vaccination Throughout Life Grand Ballroom, Level 4 Grand Copthorne Waterfront Hotel,

Time	Title	Speaker(s)
11:45- 12:15	Lunch	
12:15- 12:20	Welcome	Chair: Gavin SMITH Professor, Programme in Emerging Infectious Disease, Duke-NUS Medical School, Singapore
		Moderator: Philippe BUCHY Director, Scientific Affairs & Public Health, GSK Vaccines
12:20- 12:40	Why vaccinate children?	Lance JENNINGS Clinical Assoc. Prof. Pathology Department, University of Otago, New Zealand
		Anne GOH Senior Consultant, Respiratory Medicine Service, Department of Paediatrics KK Women's and Children's Hospital, Singapore Adjunct Associate Professor of the Yong Loo Lin School of Medicine and the Duke-NUS Graduate Medical School
		Philippe BUCHY Director, Scientific Affairs & Public Health, GSK Vaccines
12:40- 13:00	Maternal immunization with influenza vaccines: benefits for the mother, the fetus	Lance JENNINGS Clinical Assoc. Prof. Pathology Department, University of Otago, New Zealand
	and the newborn	LEONG Hoe Nam Consultant Infectious Disease Physician, Rophi Clinic, Singapore
		Jing Chen Sr. Regional Epidemiology Manager, AP, VxR&D, GSK VAccines
13:00- 13:20	Influenza vaccination in high-risk adults (asthma, COPD, diabetes,	Lance JENNINGS Clinical Assoc. Prof. Pathology Department, University of Otago, New Zealand
	cardiovascular diseases, etc)	Paul Anantharajah Tambyah Professor, Dept. of Medicine, NUS Singapore Sr. Consultant, Division of Infectious Diseases, NUH Singapore
		Michael NISSEN Director, Scientific Affairs & Public Policy, GSK Vaccines
13:20- 13:40	Q&A	Moderator: Gavin SMITH Professor, Programme in Emerging Infectious Disease, Duke-NUS Medical School, Singapore
13:40- 13:45	Closing	Philippe BUCHY Director, Scientific Affairs & Public Health, GSK Vaccines

Event description

Influenza causes considerable morbidity and mortality worldwide. Each individual acquires a number of influenza infections throughout life. The first encounter with the viruses usually occurs in infants during their first or second influenza season. Vaccination is the most effective way to prevent infection and severe outcomes caused by influenza viruses. The World Health Organization recommends the vaccination of: children aged 6-59 months, pregnant women, elderly, individuals with specific chronic medical conditions and healthcare workers. For children under six months of age, WHO recommends vaccination of mothers during pregnancy and vaccination of close contacts to limit transmission of influenza viruses to the young infant. During this symposium, a panel of influenza Experts and experienced Clinicians will discuss the rational for vaccination as well as the epidemiological and clinical characteristics of influenza disease in these high-risk groups.