XVI International Symposium on Respiratory Viral Infections
13 – 16 March 2014
Seoul, Republic of Korea

Provisional Program
(January 2, 2014)

Chairs:

Woo Joo Kim  Professor, Division of Infectious Diseases, Korea University College of Medicine, Seoul, Republic of Korea
Albert Osterhaus  Professor of Virology, Erasmus MC, Rotterdam, The Netherlands
Malik Peiris  University of Hong Kong, Hong Kong SAR, People’s Republic of China

Scientific Advisory Board:

Rick Bright  HHS/OS/ASPR/BARDA, Washington, District of Columbia, United States
W. Abdullah Brooks  Director Kamalapur Field Site, Head Infectious Diseases Unit (ICDDR,B), Johns Hopkins Bloomberg School of Public Health, Dhaka, Bangladesh and Baltimore, Maryland, United States
Young-Ki Choi  Professor, College of Medicine, Chungbuk National University, Chungbuk, Republic of Korea
Nancy Cox  Director, Influenza Division, National Center for Immunization and Respiratory Diseases, Centers for Disease Control and Prevention, Atlanta, Georgia, USA
Menno de Jong  Academic Medical Center, University of Amsterdam, Amsterdam, The Netherlands
Frederick Hayden  Professor of Medicine and Stuart S. Richardson Professor of Clinical Virology, University of Virginia School of Medicine, Charlottesville, Virginia, United States
Sebastian Johnston  National Heart & Lung Institute, Imperial College, London, United Kingdom
Yoshihiro Kawaoka  University of Tokyo, Tokyo, Japan; University of Wisconsin, Madison Wisconsin, United States
Hwan-Jong Lee  Professor, Department of Pediatrics, Seoul National University, Seoul, Republic of Korea
Ju-Sil Lee  Director, Center for Immunology and Pathology Korea Centers for Disease Control and Prevention, Seoul, Republic of Korea
Arnold Monto  Thomas Francis Jr Professor of Epidemiology, University of Michigan, Ann Arbor, Michigan, United States
Thursday, March 13, 2014

11.00    Registration Opens

15.00    Welcoming Remarks

15.05 – 15.15  Introduction to the Keynote Address

15.15 – 16.15  Keynote Address – H7N9 – Nancy Cox, Director, Influenza Division, National Center for Immunization and Respiratory Diseases, Centers for Disease Control and Prevention, Atlanta, Georgia, United States (confirmed) and Yuelong Shu, China CDC, Beijing, People’s Republic of China (invited)

Session I  Influenza – Chairs: Nancy Cox, Director, Influenza Division, National Center for Immunization and Respiratory Diseases, Centers for Disease Control and Prevention, Atlanta, Georgia, United States and Young Scientist (TBD)

16.15 – 16.45  Update on Seasonal Influenza – Benjamin Cowling, School of Public Health, The University of Hong Kong, Pokfulam, Hong Kong SAR, People’s Republic of China (confirmed)

16.45 – 17.15  Respiratory Viruses in Bangladesh – Abdullah Brooks, Director Kamalapur Field Site, Head Infectious Diseases Unit (ICDDR,B), Johns Hopkins Bloomberg School of Public Health, Dhaka, Bangladesh and Baltimore, Maryland, United States (confirmed)

17.15 – 17.35  Oral Presentation
   Use of Human Monoclonal Antibodies Isolated from Patients Recovered from 2009 Pandemic H1N1 Infection for Therapeutic and Prophylactic Treatment – ShinJae Chang, Celltrion Inc., Incheon, Republic of Korea

17.35 – 17.55  Oral Presentation
   Impact of Influenza B Viruses Lineage-level Mismatched to Strains Contained in Trivalent Seasonal Influenza Vaccines, 1999-2012 – Terho Heikkinen, Department of Pediatrics, University of Turku, Finland

17.55 – 18.15  Oral Presentation
   Genetic Requirement for Hemagglutinin Glycosylation and Its Implications for Influenza A H1N1 Virus Evolution – Jin Il Kim, Department of Microbiology, College of Medicine, Hallym University, Gangwon-do, Republic of Korea

18.15 – 18.35  Oral Presentation
   Intranasal Administration of a Novel Recombinant-Immunogen Based on Hemagglutinin Stalk Domain Potentiates Hetero-Subtypic and Broadly Effective Immunity against Influenza Viral Infections – Hwajung Yi, Korea National Institute of Health, Chungbuk, Republic of Korea

18.45 – 20.45  Welcome Reception
Friday, March 14, 2014 – Day 2

Session II  Clinical Intervention – Chairs: Menno de Jong, Academic Medical Center, University of Amsterdam, Amsterdam, The Netherlands and Young Scientist (TBD)

09.00 – 09.30  New Generation of Antibodies for Influenza and RSV – Antonio Lanzavecchia, Immune Regulation, Director Istituto di Ricerca in Biomedicina, Bellinzona, Switzerland (confirmed)

09.30 – 10.00  Antivirals for Rhinovirus – Sebastian Johnston, National Heart & Lung Institute, Imperial College, London, United Kingdom (confirmed)

10.00 – 10.40  Oral Presentations X 2

10.40 – 11.10  Coffee Break

11.10 – 11.50  Oral Presentations X 2

11.50 – 14.00  Lunch

Session III  One Health – Chair: Albert Osterhaus, Professor of Virology, Erasmus MC, Rotterdam, The Netherlands and Young Scientist (TBD)

14.00 – 14.45  MERS, the new Coronavirus – Albert Osterhaus, Professor of Virology, Erasmus MC, Rotterdam, The Netherlands (confirmed)

14.45 – 15.15  Swine Influenza – Young-Ki Choi, College of Medicine, Chungbuk National University, Chungbuk, Republic of Korea (confirmed)

15.15 – 15.35  Oral Presentation
Dogs as an Intermediate Host in Interspecies Transmission and Possible Role of Dogs in Reverse Zoonotic Infection of Influenza Viruses – Daesub Song, Korea Research Institute of Bioscience and Biotechnology, Daejeon, Republic of Korea

15.35 – 16.05  Coffee Break

16.05 – 17.05  Oral Abstracts X 3

17.05 – 18.00  Poster Review - Albert Osterhaus, Professor of Virology, Erasmus MC, Rotterdam, The Netherlands (confirmed)

18.00 - 19.30  Poster Session
Saturday, March 15, 2014 – Day 3

Session IV
Latebreakers – Chairs: Woo Joo Kim, Professor, Division of Infectious Diseases, Korea University College of Medicine, Seoul, Republic of Korea and Young Scientist (TBD)

08.30 – 10.30 Oral Presentations X 6

10.30 – 11.00 Coffee Break

Session V
Respiratory Viral Exacerbation of Asthma and COPD – Chairs: Sebastian Johnston, National Heart & Lung Institute, Imperial College, London, United Kingdom and Ross Walton, National Heart & Lung Institute, Imperial College, London, United Kingdom

11.00 – 11.30 Role of IL-33, Type 2 Innate Lymphoid Cells and TH2 Cytokines during Rhinovirus-induced Asthma Exacerbations – Ross Walton, National Heart & Lung Institute, Imperial College, London, United Kingdom (confirmed)

11.30 – 11.50 Oral Presentation Young Investigator Award Recipient, Sponsored by The Macrae Foundation and Green Cross Corp
Incidence and Characteristics of Early Childhood Wheezing and the Contribution of Respiratory Viruses, Dhaka, Bangladesh, 2004-2010 - Fatimah S. Dawood, Influenza Division, Centers for Disease Control and Prevention, Atlanta, Georgia, United States

11.50 – 12.10 Oral Presentation Young Investigator Award Recipient, Sponsored by The Macrae Foundation and Green Cross Corp
Antigenicity and Receptor binding Specificities of Enterovirus 68 – Tadatsugu Imamura, Tohoku University Graduate School of Medicine, Sendai City, Miyagi, Japan

12.10 – 12.30 Oral Presentation
The Effects of Inhaled Interferon Beta on Cold-induced Asthma Exacerbations and Innate Immunity – Results of a Randomised Placebo Controlled Phase II Trial - Phillip Monk, Synairgen Research Limited, Southampton, United Kingdom

12.30 – 12.50 Oral Presentation
Substitution at Aspartic Acid 1128 in the SARS Coronavirus Spike Glycoprotein Mediates Escape from a S2 Domain-targeting Neutralizing Monoclonal Antibody Oi-Wing Ng, Department of Microbiology, Yong Loo Lin School of Medicine, National University Health System (NUHS), National University of Singapore

12.50 – 13.20 Special Lecture – Genetics of Infection: Transmission, Patient Stratification and Disease Severity - Where Next? Paul Kellam, Wellcome Trust Sanger Institute, Wellcome Trust Genome Campus, Hinxton, Cambridge, United Kingdom (confirmed)
13.20 – 14.50 Lunch

Session VI Pathogenesis of Respiratory Viral Infections – Chairs: Malik Peiris, Professor, Chair of Virology, University of Hong Kong, Hong Kong SAR, People’s Republic of China and Hui Ling Yen, School of Public Health, The University of Hong Kong, Pokfulam, Hong Kong SAR, People’s Republic of China

14.50 – 15.20 Pathogenesis of Viral Lung Injury – Yumiko Imai, Department of Biological Informatics and Experimental Therapeutics, Graduate School of Medicine, Akita University, Akita, Japan (confirmed)

15.20 – 15.50 Literature Review: Influenza Pathogenesis and Transmission – Hui Ling Yen, School of Public Health, The University of Hong Kong, Pokfulam, Hong Kong SAR, People’s Republic of China (confirmed)

15.50 – 16.20 Coffee Break

16.20 – 16.40 Oral Presentation
Detection of Human Bocaviruses in Nasal Swabs and Stools during Respiratory Infection and Acute Gastroenteritis – Minna Paloniemi, Vaccine Research Center, University of Tampere, Finland

16.40 – 17.00 Oral Presentation
The Comparison of Human and Ferret Influenza Challenge Models – Alex Mann, Retroscreen Virology, Queen Mary Business Enterprises, London, United Kingdom

17.00 - 18.20 Oral Presentations x 4
Sunday, March 16, 2014 - Day 4

Session VII  Vaccines – Chairs: Arnold Monto, Thomas Francis Jr Professor of Epidemiology, University of Michigan, Ann Arbor, Michigan, United States and Young Scientist (TBD)

8.30 – 9.00 Enhancing Influenza Vaccine Coverage: The Korean Experience – Woo Joo Kim, Professor, Division of Infectious Diseases, Korea University College of Medicine, Seoul, Republic of Korea (confirmed)

9.00 – 9.30 Determination of Influenza Vaccine Effectiveness – Arnold Monto, Thomas Francis Jr Professor of Epidemiology, University of Michigan, Ann Arbor, Michigan, United States (confirmed)

9.30 – 9.50 **Oral Presentation**
Infection-permissive Immunity Induced by NA- and M2e-based Vaccines Protects against Influenza A Virus Challenge and Allows the Induction of Heterosubtypic Cellular Immunity – Xavier Saelens, Molecular Virology Unit, VIB Inflammation Research Center, Ugent Department for Biomedical Molecular Biology, Ghent, Belgium

9.50 - 10.30 Oral Presentations x 2

10.30 – 11.00 Coffee Break

Session VIII  Virus-Bacterial Interface – Chairs: Rick Bright, HHS/OS/ASPR/ BARDA, Washington, District of Columbia USA and Young Scientist (TBD)

11.00 – 11.30 Virus-Bacterial Interface – Keith Klugman, Emory University, Atlanta, Georgia, United States and The Gates Foundation, Seattle, Washington, United States (confirmed)

11.30 – 11.50 Oral Presentation X1

11.50 – 12.10 **Oral Presentation  Young Investigator Award Recipient Sponsored by The Macrae Foundation and Green Cross Corp**
Iota-Carrageenan and Rhinovirus Infection and Secondary Pneumococcal Infection in A549 Cells – Reetika Suri, Queen Mary University, London, United Kingdom

12.10 - 12.50 Oral Presentation x 2

12.50 – 13.00 Meeting Conclusion