Friday, October 21

12.00 – 17.00  Conference Registration

14.15 – 14.30  Welcome and opening remarks

14.30 – 16.30  Session 1: Epidemiology of emerging viral disease
Chair: Andrew Jermy, *Nature Microbiology*, UK

14.30 – 15.00  Elodie Ghedin, New York University, USA
*Temporal dynamics of influenza virus intra-host evolution*

15.00 – 15.30  Leo Yee Sin, Institute of Infectious Disease and Epidemiology, Tan Tock Seng Hospital, Singapore
*Hemophagocytic lymphohistocytosis HLH contributing to dengue mortality*

15.30 – 16.00  George F. Gao, CAS Key Laboratory of Pathogenic Microbiology and Immunology, China
*Ebola virus entry and fusion*

16.00 – 17.00  Coffee break

17.00 – 19.00  Keynote Lectures

17.00 – 18.00  Thirumala-Devi Kanneganti, St. Jude Children’s Research Hospital, USA
*Regulators of inflammatory responses*

18.00 – 19.00  Hong-bing Shu, Wuhan University, China
*Regulation of innate antiviral response*

19.00 – 21.00  Welcome reception in Shangri-la Hotel

Saturday, October 22

09.00 – 12.00  Session 2: Immune intervention and prevention of disease
Chair: Nonia Pariente, *Nature Microbiology*, UK
09.00 – 09.30  James Crowe, Vanderbilt University, USA
*Structural basis for neutralizing antibody determinants*

09.30 – 10.00  Nancy Sullivan, National Institute of Allergy and Infectious Diseases, NIH, USA
*Title TBD*

10.00 – 10.30  Coffee break

10.30 – 11.00  Paul Klenerman, University of Oxford, UK
*MAITs and their mates*

11.00 – 11.30  Kanta Subbarao, National Institute of Allergy and Infectious Diseases, NIH, USA
*Pandemic influenza vaccines*

11.30 – 12.00  Gavin Screaton
*Serological crossreactivity between dengue and Zika viruses*

12.00 – 13.30  Buffet Lunch in Shangri-la Hotel

13.30 – 15.30  Session 3: Persistent viral infection and immune dysregulation
Chair: Xin-Wen Chen, Wuhan Institute of Virology, China

13.30 – 14.00  Malik Peiris, The University of Hong Kong, China
*Innate immune responses and acute lung injury*

14.00 – 14.30  Sharon Lewin, University of Melbourne, Australia
*Tackling HIV latency: towards a cure for HIV*

14.30 – 15.00  Andrea L. Cox, Johns Hopkins University
*TGF-β-mediated Smad3 enhances PD-1 expression on antigen-specific T cells*

15.00 – 15.30  Fu-sheng Wang, Beijing Institute of Infectious Diseases, China
*Cure of chronic hepatitis B patients: Does immune therapy work?*

15.30 – 16.00  Coffee break

16.00 – 18.00  Session 4: Innate antiviral community
Chair: Yan-yi Wang, Wuhan Institute of Virology, China

16.00 – 16.30  James Chen, University of Texas Southwestern, USA
*The cGAS pathway of cytosolic DNA sensing*
16.30 – 17.00  Bing Sun, Institut Pasteur of Shanghai, CAS, China
TRIM30α is a negative regulator in DNA virus infection by targeting STING

17.00 – 17.30  John Schoggins, University of Texas Southwestern, USA
Flavivirus-host interactions: insight into antiviral immune responses and Zika virus neurotropism

17.30 – 18.00  Gong Cheng, Tsinghua University School of Medicine
Flavivirus NS1: A key factor for virus transfer from host to mosquito vector

18.30 – 20.00  Dinner in Shangri-la Hotel

20.00 – 22.00  Poster Session

Sunday, October 23

09.00 – 12.00  Session 5: Induction of systemic adaptive immunity
Chair: Hong Tang, Key Laboratory of Infection and Immunity, CAS, China

09.00 – 09.30  David Masopust, University of Minnesota, USA
Tissue resident memory T cells: Ontogeny, differentiation, and function

09.30 – 10.00  Hai Qi, Tsinghua University School of Medicine, China
Humoral immunity and tuning of T-B cell interactions in the germinal center

10.00 – 10.30  Coffee break

10.30 – 11.00  Jose Villadangos, The University of Melbourne, Australia
Anti-viral immunity in the lung

11.00 – 11.30  Greta Guarda, Université de Lausanne, Switzerland
Immune modulation during chronic infection

12.00 – 13.00  Buffet Lunch in Shangri-la Hotel

13.00 – 14.00  Meet the editors

14.00 – 16.00  Session 6: Viral pathogenesis
Chair: George Gao, Key Laboratory of Pathogenic Microbiology and Immunology, Institute of Microbiology, CAS, China
<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker and Affiliation</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.00 – 14.30</td>
<td>Ed Mocarski, Emory University, USA</td>
<td>Herpesvirus subversion of cell death pathways</td>
</tr>
<tr>
<td>14.30 – 15.00</td>
<td>Kwok-Yung Yuen, The University of Hong Kong, China</td>
<td>Relevance of MERS coronavirus induced apoptosis to pathogenesis</td>
</tr>
<tr>
<td>15.00 – 15.30</td>
<td>Rafick-Pierre Sekaly, Case Western Reserve University, USA</td>
<td>The interface between the inflammasome and interferons: a critical determinant in host-pathogen interactions</td>
</tr>
<tr>
<td>15.30 – 16.00</td>
<td>Hualan Chen, Harbin Veterinary Research Institute, CAAS, China</td>
<td>Threat to human public health posed by animal influenza viruses</td>
</tr>
<tr>
<td>16.00 – 16.30</td>
<td>Wendy Barclay, Imperial College London, UK</td>
<td>Host factors of avian and mammalian species that impact emergence of pandemic influenza</td>
</tr>
<tr>
<td>16.30 – 16.45</td>
<td>Concluding Remarks</td>
<td></td>
</tr>
<tr>
<td>16.45</td>
<td>Close of conference</td>
<td></td>
</tr>
</tbody>
</table>