



Influenza 2018: Centenary of the 1918 Pandemic

Sunday 24th –Tuesday 26th June 2018
Francis Crick Institute, London, UK

Preliminary Programme

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| Sunday 24 June | |
| | Welcome & Opening <i>John Skehel, Francis Crick Institute, London, UK</i> |
| | Session 1: Chair: <i>Robert Webster, St. Jude Children's Research Hospital, Memphis, TN, USA</i> Introduction The Pandemics to Date <i>Robert Webster, St. Jude Children's Research Hospital, Memphis, TN, USA</i> Keynote Lecture Then and Now <i>Sally Davies, Chief Medical Officer for England, London, UK</i> |
| | Drinks Reception – Manby Gallery, Francis Crick Institute |
| Monday 25 June | |
| | Session 2: Virus Infection/Replication Chair: <i>Robert Lamb, Northwestern University, Chicago, Illinois, USA</i> Introduction Entry and assembly <i>Robert Lamb, Northwestern University, Chicago, IL, USA</i> The Virus and its Entry <i>Peter Rosenthal, Francis Crick Institute, London, UK</i> Transcription/Replication <i>Robert Krug, University of Texas, Austin, TX, USA</i> New Technology <i>Yoshi Kawaoka, University of Wisconsin, Madison, WI, USA and University of Tokyo, Tokyo, Japan</i> |

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| | <p>Session 3: Antivirals Chair: Peter Colman, <i>The Walter and Eliza Hall Institute of Medical Research Melbourne, Australia</i></p> <p>Introduction Structure-Based Design <i>Peter Colman, The Walter and Eliza Hall Institute of Medical Research, Melbourne, Australia</i></p> <p>The RNA Polymerase <i>Stephen Cusack, EMBL, Grenoble, France</i></p> <p>Anti-Neuraminidase Antivirals in Practice <i>Jonathan Van-Tam, University of Nottingham, Nottingham, UK (TBC)</i></p> |
| | <p>Session 4: Virus diversity Chair: John Skehel, <i>Francis Crick Institute, London, UK</i></p> <p>Introductory talk Mutation Structural Map <i>John Skehel, Francis Crick Institute, London, UK</i></p> <p>Receptor Analysis <i>James Paulson, Scripps Research Institute, La Jolla, CA, USA</i></p> <p>Receptor Affinity and Specificity <i>Steven Gamblin, Francis Crick Institute, London, UK</i></p> <p>HA/NA Interaction <i>Mikhail Matrosovich, Philipps University, Marburg, Germany</i></p> <p>Genetic Diversity <i>Edward Holmes, The University of Sydney, Sydney, Australia</i></p> |
| Tuesday 26 June | |
| | <p>Session 5: Transmission Chair: George Gao, <i>Chinese Academy of Sciences, Beijing, China</i></p> <p>Natural Transmission <i>Yi Guan, University of Hong Kong, Hong Kong SAR, China</i></p> <p>Intrahost Adaptation/Transmission <i>Elodie Ghedin, New York University, New York, USA</i></p> <p>Interspecies Transmission <i>Ron Fouchier, Erasmus Medical Centre, Rotterdam, The Netherlands</i></p> |
| | <p>Session 6: Immunity Chair: Alain Townsend, <i>Oxford University, Oxford, UK</i></p> <p>Introduction B and T cells <i>Alain Townsend, Oxford University, Oxford, UK</i></p> <p>Innate Immunity <i>Peter Staeheli, University of Freiburg, Germany</i></p> <p>Adaptive Immunity <i>Rafi Ahmed, Emory University, Atlanta, GA, USA (TBC)</i></p> <p>Antibody Repertoires <i>Scott Hensley, University of Pennsylvania, PA, USA</i></p> |

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| | <p>Session 7: Vaccines Chair: <i>John McCauley, Francis Crick Institute, London, UK</i></p> <p>Introduction Surveillance, Strain Selection and Vaccines <i>John McCauley, Francis Crick Institute, London, UK</i></p> <p>Novel Broadly Reactive Vaccines <i>Peter Palese, Icahn School of Medicine at Mount Sinai, New York, USA</i></p> <p>Immunogenicity <i>John Mascola, NIAID, Bethesda, MD, USA</i></p> <p>Live Attenuated Vaccines <i>Maria Zambon, Public Health England, London, UK</i></p> <p>Therapeutic Monoclonal Antibodies <i>Davide Corti, Humabs, Bellinzona, Switzerland</i></p> |
| | <p>Session 8: The Future? Chair: <i>TBC</i></p> <p>Introduction <i>TBC</i></p> <p>Lessons From the 1918 Virus <i>Jeffrey Taubenberger, NIAID, Bethesda, MD, USA</i></p> <p>Successes and Failures in Forecasting Epidemics <i>John Edmunds, London School of Hygiene and Tropical Medicine, London, UK</i></p> <p>Pandemic Strategies <i>Jackie Katz, CDC, Atlanta, GA, USA</i></p> |
| | <p>Close of Meeting</p> |