Towards A Universal Influenza Vaccine

Lessons from the Great Influenza Pandemic of 1918 to Now:
what do we know, and what do we need to know?

Patterson Ballroom | Kimpton Aertson Hotel | Nashville, TN
Thursday, November 15 & Friday, November 16, 2018

Day 1: November 15, 2018

Continental Breakfast and Registration (Patterson Gallery)
7:30am-8:30am

Session 1: Welcome and Keynote Speakers
Chair: Ian D. Gust (University of Melbourne; Chair, HVP Board of Directors)
8:30am

David M. Morens (National Institutes of Health, National Institutes of Allergy and Infectious Diseases) | “The virus that caused the 1918 Pandemic.”
8:45am -9:30am

John M. Barry (Tulane University) | “The 1918 Pandemic.”
9:30am -10:15am:

Break (Patterson Gallery)
10:15am-10:45am

Panel 1: The Death Toll and Infection Rate, and Lessons for 2018
Moderator: Laurie Garrett
10:45am -11:45 am

 Speakers: Laura Spinney, (Author, Pale Rider: The Spanish Flu of 1918 and How It Changed the World) | “How lethal was it?”; Christopher Troeger (University of Washington, Seattle); “Morbidity, hospitalizations, and mortality due to influenza-attributable lower respiratory infections 1990-2017: A systematic analysis from the Global Burden of Disease study 2017.”; Benjamin Douglas Dalziel (Oregon State University) | “Urbanization and climate interact to shape the intensity of influenza epidemics.”
Panel 2: Epidemiology of the 1918 Pandemic, and Lessons for 2018
Moderator: Laurie Garrett
11:45am-12:45pm

Speakers: Jacqueline Katz (Center for Disease Control & Prevention, Influenza Division, USA) "Epidemiology of currently circulating influenza viruses and relevance for universal vaccine development."; Siddharth Chandra (Michigan State University, Asian Studies Center) "Epidemiology of the Influenza Pandemic of 1918-1920: Insights from Asia and America."; Sarah Cobey (University of Chicago) "Historical signatures in seasonal influenza."

Buffet Lunch (Patterson Gallery)
12:45pm-1:30pm

Panel 3: Clinical Features of the 1918 Pandemic and Lessons for 2018
Moderator: Helen Branswell (STAT)
1:30pm-2:30pm

Speakers: Niall Johnson (University of Cambridge and Author of Britain and the 1918-19 Influenza Pandemic: A Dark Epilogue) "Clinical features of the 1918–19 influenza pandemic."; Arnold S. Monto (University of Michigan School of Public Health, USA) "After the Spanish Flu Lessons learned from recent influenza pandemics."; Gordon Bernard (Vanderbilt University Medical Center) "H1N1 in the early 21st century."

Session 2: Keynote Speakers
Chair: James E. Crowe, Jr. (Vanderbilt University Medical Center)

Bill Frist (United States Senator) "Vaccine Hesitancy: Is there a crisis in trust in science?"
2:30pm-3:00pm:

Break (Patterson Gallery)
3:00pm-3:30pm
Panel 4: Influenza Pandemic Preparedness  
Moderator: Jon S. Abramson (Wake Forest) 
3:30pm-4:45pm

Speakers: **Emily Erbelding** (National Institutes of Health, National Institutes of Allergy and Infectious Diseases) | “The NIAID strategic plan for a universal influenza vaccine.”;  **Christine Oshansky** (BARDA) | “Pre-pandemic influenza vaccines: where are we now?”;  **Martin H. Friede** (World Health Organization) | “Pandemic Influenza Preparedness: the WHO perspective.”;  **Jon S. Abramson** (Wake Forest) | “Review of GAVI’s plans for influenza.”

5:00pm-6:00pm: Reception (Patterson Gallery)

6:30pm: Dinner by Invitation (Maggiano’s Little Italy-Transportation Provided From the Kimpton Hotel)

Day 2: November 16, 2018

Continental Breakfast (Patterson Gallery) 
7:30am-8:30am

Panel 5: Determinants of Human to Human Influenza Transmission  
Moderator: Jon Cohen (Science) 
8:30am-9:30am


Panel 6: Antigen Recognition and Immunologic Memory  
Moderator: Jon Cohen (Science) 
9:30am-10:30am

Speakers:  **Scott Hensley** (University of Pennsylvania) | “Immune history and influenza virus susceptibility.”;  **Lisa Wagar** (Stanford University) | “Tonsil organoid cultures as a model system to

Break (Patterson Gallery)
10:30am-11:00am

Panel 7: Towards a Universal Influenza Vaccine
Moderator: Bruce Gellin (Sabin Vaccine Institute)
11:00am-12:45pm

Speakers: Bruce L. Innis (PATH) | “Clinical Development of Universal Influenza Vaccines; A Current Perspective.”; James E. Crowe, Jr. (Vanderbilt University Medical Center) | “Learning to live with complexity: Influenza and the Human Immunome.”; Ted M. Ross (University of Georgia) | “Broadly Protective Influenza Vaccines: Protection Against Mismatched Strains”; Jerald C. Sadoff (Janssen Infectious Diseases and Vaccines, USA) | “Approach to a universal flu vaccine and what has been learned from human Mab challenge studies.”; Adrian McDermott (National Institutes of Health, National Institutes of Allergy and Infectious Diseases) | “Influenza Vaccine Discovery and Development pipeline at the VRC-NIAID.”

Closing Remarks and Future Directions
Chairperson: Laurie Garrett
12:45pm-1:00pm

Speaker: Wayne C. Koff (Human Vaccines Project) | “Future Directions on the Path Towards a Universal Influenza Vaccine.”