MONDAY, JANUARY 17

Arrival and Registration

TUESDAY, JANUARY 18

Inflammation and Innate Immunity in Viral Infections (J3)
Siddharth Balachandran, Fox Chase Cancer Center, USA
Mechanisms of Influenza Virus-Induced Cell Death
Lisa P. Daley-Bauer, Emory University, USA
Combined Deficiency in Caspase-8 and RIPK3
Catherine A. Blish, Stanford University School of Medicine, USA
Defining the Role of NK Cells in Viral Immunity

Short Talks Chosen from Abstracts

Beyond Acute Disease: Consequences of Respiratory Virus Infections (J4)
Jie Sun, Mayo Clinic, USA
Immune Mediated Lung Damage
Andrew E. Vaughan, University of Pennsylvania, USA
Chronic Post-Viral Effects on Lung Structure
Carolina B. López, Washington University School of Medicine, USA
Impact of Defective Viral Genomes on Respiratory Syncytial Virus Clinical Outcomes

Short Talks Chosen from Abstracts

Workshop 1: Innate Immunity in Viral Infections (J3)
Short Talks Chosen from Abstracts

Workshop 1: Zoonoses (J4)
Short Talks Chosen from Abstracts

Immunity and Respiratory Viruses: Good and Bad (Joint)
Katelyn M. Gostic, University of Chicago, USA
Order matters: Imprinting and Other Forms of Path-Dependence Shape Cross-Protective Immune Memory
Peter J.M. Openshaw, Imperial College London, UK
Mucosal Immunity to Respiratory Viruses
Ali H. Ellebedy, Washington University School of Medicine, USA
Tracking Human Immune Responses to Influenza Vaccines across Anatomical Compartments
Andreas Wack, Francis Crick Institute, UK
Types I and III Interferons in Pathogenesis and Repair

Short Talks Chosen from Abstracts

WEDNESDAY, JANUARY 19

Human Immunity in Blood and Tissues (J3)
Katherine Kedzierska, University of Melbourne, Australia
Human CD8+ T Cells in Blood and Tissues
Donna L. Farber, Columbia University Medical Center, USA
Anti-Viral Immunity in Human Tissues
Frances E. Lund, University of Alabama at Birmingham, USA
B Cells and Antibody Secreting Cells across Human Tissues

Short Talks Chosen from Abstracts

New Approaches to Studying Respiratory Viruses I (J4)
Seema Lakdawala, University of Pittsburgh School of Medicine, USA
Microscopy to Study Viral Transport within Infected Cells
Edward Hutchinson, University of Glasgow, UK
Hybrid Genes and Chimeric Proteins
Susanne Herold, University of Giessen Lung Center, Germany
Organoid Modeling to Study the Pathomechanisms of Viral Lung Infection

Short Talks Chosen from Abstracts

Workshop 2: Adaptive Immunity in Viral Infections (J3)
Short Talks Chosen from Abstracts

Workshop 2: Transmission (J4)
Short Talks Chosen from Abstracts

T Cells, B Cells and their Receptors (J3)
Paul G. Thomas, St. Jude Children's Research Hospital, USA
Specificity of the CD8 T Cell Compartment in Viral Infections
Bryan Briney, The Scripps Research Institute, USA
Diversity in the Human Antibody Repertoire
Dirk Hans Busch, Technical University Munich, Germany
CD8+ T Cells in CMV Infection
Sophie A. Valkenburg, University of Hong Kong, Hong Kong
The Coordinated B and T Cell Response in Influenza Vaccination

Short Talks Chosen from Abstracts

Novel Insights into Respiratory Virus Biology (J4)
Andrew B. Ward, The Scripps Research Institute, USA
Monitoring Antibody Responses to Influenza and Coronavirus using Electron Microscopy
Ryan A. Langlois, University of Minnesota, USA
Virus-Cell Interactions in vivo

* Session Chair † Invited but not yet accepted    Program current as of April 30, 2021. Meal formats are based on meeting venue.
For the most up-to-date details, visit https://www.keystonesymposia.org.
Jennifer M. Lund, Fred Hutchinson Cancer Research Center, USA
* T Cell Phenotypes in the Antiviral Response

Christopher Chiu, Imperial College London, UK
* Lessons from Human Challenge Infection with Respiratory Viruses

Short Talks Chosen from Abstracts

**Poster Session 2**

**THURSDAY, JANUARY 20**

**Translational and Developmental Aspects of Antibodies (Joint)**

Galit Alter, MIT and Harvard University, USA
* Systems Serology to Characterize Antibody Responses

Alina Baum, Regeneron Pharmaceuticals, USA
* Antibodies to Respiratory Viruses—Successes and Challenges

Jesse D. Bloom, Fred Hutchinson Cancer Research Center, USA
* Mapping Person-to-Person Variation in Viral Mutations that Escape Polyclonal Immunity

**Novel Approaches to Anti-Viral Vaccines (J3)**

Florian Krammer, Icahn School of Medicine at Mount Sinai, USA
* Novel Antigenic Targets for Influenza Vaccination

Andrea J. Sant, University of Rochester Medical Center, USA
* Influenza Specific CD4 T Cell Responses to Vaccination and Infection

Gary J. Nabel, Sanofi, USA
* Innovation in Antibody Structure and Design

Speaker to be Announced

Short Talks Chosen from Abstracts

**Prevention and Treatment Strategies: Vaccines and Antivirals (J4)**

Nevan J. Krogan, University of California, San Francisco, USA
* Host Factors as Antiviral Targets

Kathleen M. Neuzil, University of Maryland, USA
* Comparing and Contrasting COVID-19 Vaccine Platforms

Kanta Subbarao, WHO Collaborating Centre for Reference and Research on Influenza, Australia
* Improving Influenza Vaccines

Kena Swanson, Pfizer Inc., USA
* RSV Vaccines – Lessons Learned from the COVID-19 Experience with Respect to Pediatric Vaccines

Short Talks Chosen from Abstracts

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Meeting Wrap-Up: Outcomes and Future Directions
(Organizers) (J4)

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