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

Poster Session 1

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 September 20, 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*

*Stacey Lynne Schultz-Cherry*, St. Jude Children’s Research Hospital, USA
*Vaccinating Vulnerable Populations*

**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**

*FRIDAY, JANUARY 21*

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

Meeting Wrap-Up: Outcomes and Future Directions
(Organizers) (J3)