FRIDAY, FEBRUARY 5
Arrival and Registration

SATURDAY, FEBRUARY 6
Organizer Welcome and Keynote Session (Joint)
Paul G. Thomas, St. Jude Children's Research Hospital, USA
Carolina B. López Zalaquett, Washington University School of Medicine, USA
Eva Harris, University of California, Berkeley, USA
Barney S. Graham, NIAID, National Institutes of Health, USA
Dengue and Zika Virus Pathogenesis and Immunity
Overview of Respiratory Virus Vaccines
Beyond Acute Disease: Consequences of Respiratory Virus Infections (Q2)
Katelyn M. Gostic, University of Chicago, USA
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
Ken H. Cadwell, New York University School of Medicine, USA
Virome and High Inference Immunity
Short Talks Chosen from Abstracts

Inflammation and Innate Immunity in Viral Infections (Q1)
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
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Workshop 1: Zoonoses (Q2)
Short Talks Chosen from Abstracts

Workshop 1: Innate Immunity in Viral Infections (Q1)
Short Talks Chosen from Abstracts

Determinants of Clinical Outcome: New Perspectives on Virus/Host Interactions (Q2)
Carolina B. López Zalaquett, Washington University School of Medicine, USA
Defective Viral Genomes during Respiratory Syncytial Virus Infection

Nicholas W. Lukacs, University of Michigan, USA
Early Life Respiratory Syncytial Virus Infection and Trained Immunity
Short Talks Chosen from Abstracts

Sensing the Virus and Antigen Presentation (Q1)
Jonathan W. Yewdell, NIAID, National Institutes of Health, USA
Virion Trafficking and Antigen Presentation in Zika
Ana Fernandez-Sesma, Icahn School of Medicine at Mount Sinai, USA
Role of STING in Antiviral Immunity to Flaviviruses, Alphaviruses and Beyond
Short Talks Chosen from Abstracts

Poster Session 1

SUNDAY, FEBRUARY 7
Mucosal Immunity (Joint)
Peter J.M. Openshaw, Imperial College London, UK
Mucosal Immunity to Respiratory Viruses
Stacey Lynne Schultz-Cherry, St. Jude Children’s Research Hospital, USA
Astrovirus Infections in the Gut
David B. Masopust, University of Minnesota, USA
Antiviral T Cell Immune Surveillance
Ali H. Ellebedy, Washington University School of Medicine, USA
Tracking Human Immune Responses to Influenza Vaccines across Anatomical Compartments
Short Talks Chosen from Abstracts

New Approaches to Studying Respiratory Viruses I (Q2)
Susanne Herold, University of Giessen Lung Center, Germany
Organoid Modeling to Study the Pathomechanisms of Viral Lung Infection
Seema Lakdawala, University of Pittsburgh School of Medicine, USA
Microscopy to Study Viral Transport within Infected Cells
Rebecca Dutch, University of Kentucky, USA
Cell-to-Cell Transmission of hMPV and RSV
Short Talks Chosen from Abstracts

Human Immunity in Blood and Tissues (Q1)
Katherine Kedzierska, University of Melbourne, Australia
Human Influenza-Specific 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

* Session Chair † invited but not yet accepted Program current as of August 31, 2020. Program subject to change. Meal formats are based on meeting venue. For the most up-to-date details, visit https://www.keystonesymposia.org.
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KEYSTONE SYMPOSIA
on Molecular and Cellular Biology

Respiratory Viruses: New Frontiers - RESCHEDULING IN PROGRESS (Q2)
Scientific Organizers: Kanta Subbarao, JoAnn A. Suzich and Carolina B. López
Part of the Keystone Symposia Global Health Series, supported by the Bill & Melinda Gates Foundation

Viral Immunity: Basic Mechanisms and Therapeutic Applications - RESCHEDULING IN PROGRESS (Q1)
Scientific Organizers: Katherine Kedzierska and Paul G. Thomas
February 5-9, 2021 • Fairmont Banff Springs • Banff, AB, Canada
Part of the Keystone Symposia Global Health Series, supported by the Bill & Melinda Gates Foundation


WEDNESDAY, FEBRUARY 10
Departure