**FRIDAY, FEBRUARY 5**

Arrival and Registration

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**SATURDAY, FEBRUARY 6**

Organizer Welcome and Keynote Session (Joint)

*Paul G. Thomas, St. Jude Children's Research Hospital, USA

*Carolina B. López, University of Pennsylvania, USA

Eva Harris, University of California, Berkeley, USA

Dengue and Zika Virus Pathogenesis and Immunity

Barney S. Graham, NIAID, National Institutes of Health, USA

Overview of Respiratory Virus Vaccines

**Beyond Acute Disease: Consequences of Respiratory Virus Infections (Q2)**

Katelyn M. Gostic, University of Chicago, USA

Imprinting - First Exposure to Influenza Marks You for Life

Tina Hartert, Vanderbilt University School of Medicine, USA

Infant Respiratory Viral Infection and Childhood Asthma

Andrew E. Vaughan, University of Pennsylvania, USA

Chronic Post-Viral Effects on Lung Structure

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

Ken H. Cadwell, New York University School of Medicine, USA

Virome and High Inference Immunity

Short Talks Chosen from Abstracts

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, University of Pennsylvania, USA

Defective Viral Genomes during Respiratory Syncytial Virus Infection

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**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

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* Session Chair  † Invited but not yet accepted     Program current as of June 20, 2020. Program subject to change. Meal formats are based on meeting venue. For the most up-to-date details, visit [https://www.keystonesymposia.org](https://www.keystonesymposia.org).
**Poster Session 2**

**MONDAY, FEBRUARY 8**

**Novel Insights into Respiratory Virus Biology (Q2)**
- Andrew B. Ward, The Scripps Research Institute, USA
  *Monitoring Antibody Responses to Influenza and Coronaviruses using Electron Microscopy*
- Speaker to be Announced

**Viral Transcription and Replication Mechanisms**
- 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*

**T Cells, B Cells and their Receptors (Q1)**
- Paul G. Thomas, St. Jude Children's Research Hospital, USA
  *CD8+ T Cell Specificity 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*

**Workshop 2: Adaptive Immunity in Viral Infections (Q1)**

**Prevention and Treatment Strategies: Vaccines and Antivirals (Q2)**
- Kanta Subbarao, WHO Collaborating Centre for Reference and Research on Influenza, Australia
  *Progress on Influenza Vaccines*
- Pedro J. Cejas, Merck & Co., Inc., USA
  *RSV Therapies Designed from Human Disease Learnings: Vaccines and Antiviral Biologics*
- Silke Stertz, University of Zürich, Switzerland
  *Host Factors as Antiviral Targets*
- Kena Swanson, Pfizer Inc., USA
  *RSV Vaccines – Lessons Learned from Recent Experience*

**Pre-Existing Immunity and Co-Infections (Q1)**
- Patricia T. Bozza, Instituto Oswaldo Cruz, Brazil
  *Yellow Fever, Dengue and HIV*
- Tiffany A. Reese, University of Texas Southwestern Medical Center, USA
  *Herpesvirus and Helminth Co-Infections*

**Short Talks Chosen from Abstracts**

**Meeting Wrap-Up: Outcomes and Future Directions (Organizers) (Q1)**

**Poster Session 3**

**TUESDAY, FEBRUARY 9**

**Translational and Developmental Aspects of Antibodies (Joint)**
- Galit Alter, MIT and Harvard University, USA
  *Systems Serology to Characterize Antibody Responses*
- Nicole L. Kaliewaard, MedImmune, USA
  *Antibodies as Vaccine Surrogates – Successes and Challenges*
- Jesse D. Bloom, Fred Hutchinson Cancer Research Center, USA
  *Mapping Person-to-Person Variation in Viral Mutations that Escape Polyclonal Immunity*

**New Approaches to Studying Respiratory Viruses II (Q2)**
- Ryan A. Langlois, University of Minnesota, USA
  *Immunity to Influenza in Dirty Mice*
- Mark T. Heise, University of North Carolina at Chapel Hill, USA
  *Systems Genetics Tools for Studying Respiratory Virus Pathogenesis*
- Christopher Chiu, Imperial College London, UK
  *Human Challenge Infection*

**Pre-Existing Immunity and Co-Infections (Q1)**
- 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*
- Boerries Brandenburg, Janssen Vaccine, Netherlands
  *Talk Title to be Announced*

**Meeting Wrap-Up: Outcomes and Future Directions (Organizers) (Q2)**

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WEDNESDAY, FEBRUARY 10

Departure