

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

COVID-19: One Year Later (EK32)

February 8-9, 2021 • Virtual at your computer

Scientific Organizers: Katherine Kedzierska, Carolina B. López, Kanta Subbarao, JoAnn A. Suzich, Paul G. Thomas

Sponsored by AbbVie Inc., AstraZeneca, BioLegend, Inc., Gilead Sciences, Inc., Merck & Co., Inc. and Nektar Therapeutics

MONDAY, FEBRUARY 8

Welcoming Remarks and Keynote Address(1pm Denver/Mountain Time Start)

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

Anthony S. Fauci, NIAID, National Institutes of Health, USA

Update on Vaccine and Ab Trials (1:50pm Denver/Mountain Time Start)

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

***Carolina B. López**, Washington University School of Medicine, USA

Mark T. Esser, AstraZeneca, USA

From Lab to Jab. An Update on AstraZeneca's Vaccine and Therapeutic Antibody Programs

Kathleen M. Neuzil, University of Maryland, USA

Vaccines against SARS-CoV-2: Current Status and Future Directions

Current Understanding of the High Infectivity and Transmissibility of SARS-CoV-2 (3:10pm Denver/Mountain Time Start)

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

***Carolina B. López**, Washington University School of Medicine, USA

Linsey Marr, Virginia Tech, USA

A Paradigm Shift in Airborne Transmission?

Benjamin John Cowling, Hong Kong University, Hong Kong

Transmissibility of SARS-CoV-2 Compared to Other Coronaviruses

The Risk of Another Zoonotic Coronavirus from Bats (4:15pm Denver/Mountain Time Start)

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

***Carolina B. López**, Washington University School of Medicine, USA

Ralph S. Baric, University of North Carolina at Chapel Hill, USA

The Risk of Another Zoonotic Coronavirus from Bats

Closing Remarks (4:45pm Denver/Mountain Time Start)

TUESDAY, FEBRUARY 9

Networking Lounge (10am Denver/Mountain Time Start)

Meet the Editors (11am Denver/Mountain Time Start)

Gaia Trincucci, Journal of Experimental Medicine, USA

Achim Breiling, EMBO, Germany

Alessandra Fornarelli, Frontiers, Switzerland

Sara Hamilton, Cell Press, USA

Immunology & Pathogenesis (1pm Denver/Mountain Time Start)

***Katherine Kedzierska**, University of Melbourne, Australia

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

Catherine A. Blish, Stanford University School of Medicine, USA

Dysregulation of Innate Immunity and Hematopoiesis during COVID-19

Lisa F.P. Ng, SIgN (Singapore Immunology Network), Singapore

Infection and Immunity of SARS-CoV-2 Infections: Diagnostics and Therapies for COVID-19

Adaptive Immunity. T and B Cell Responses: Kinetics, Cross Reactivity, Relationship with Disease Severity, Memory I (2:05pm Denver/Mountain Time Start)

***Katherine Kedzierska**, University of Melbourne, Australia

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

Ali H. Ellebedy, Washington University School of Medicine, USA

Human B Cell Responses to SARS-CoV-2

Marcus Buggert, Karolinska Institutet, Sweden

T Cell Responses

Adaptive Immunity. T and B Cell Responses: Kinetics, Cross Reactivity, Relationship with Disease Severity, Memory II (3:20pm Denver/Mountain Time Start)

***Katherine Kedzierska**, University of Melbourne, Australia

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

Anastasia Minervina, St. Jude Children's Research Hospital/IBCh

RAS, Moscow, Russia, USA

Longitudinal Tracking of T Cell Clones in COVID-19

Oanh Nguyen, University of Melbourne, Australia

Tfh, B Cells and Antibodies in COVID-19

Panel Discussion: COVID-19 Modeling: What Worked Well, What Didn't and What Data do We Need/Want to Plan for Future Pandemics (4pm Denver/Mountain Time Start)

***Lone Simonsen**, Roskilde Universitet, Denmark

Jodie McVernon, Doherty Institute, Australia

Christopher J.L. Murray, University of Washington, USA

Gabriel M. Leung, University of Hong Kong, Hong Kong

Rosalind Eggo, London School of Hygiene & Tropical Medicine, UK

Closing Remarks (4:45pm Denver/Mountain Time Start)