

KEYSTONE SYMPOSIA

Accelerating Life Science Discovery

Vaccinology in the Age of Pandemics: Strategies Against COVID-19 & Other Global Threats
Scientific Organizers: Rino Rappuoli, Lynda M. Stuart and Federica Sallusto

Monday, June 15, 2020

11:00am-3:00pm EST, 3:00-7:00pm UTC

**stay tuned for further updates, including exact session timing*

Introduction

Rino Rappuoli, GSK Vaccines

Keynote Address

Anthony S. Fauci, NIAID, National Institutes of Health

Transforming Vaccinology: COVID-19 Emergency and Considerations for the Next Decade

Structure-Based Antigen Design

Barney S. Graham, NIAID, National Institutes of Health

Immunogen Design Strategies for COVID-19, RSV, Influenza and Other Enveloped Viruses

Neil P. King, University of Washington

Structure-Based Design of Novel Nanoparticle Vaccine Platforms

Live Q/A with Drs. Graham and King

Antigen Presentation and Delivery

Gabriel D. Vitoria, Rockefeller University

Clonal and Cellular Dynamics in Germinal Centers

Robert A. Seder, NIAID, National Institutes of Health

Immunity After Intravenous Delivery of Antigens

Live Q/A with Drs. Vitoria and Seder

Immune Response

Federica Sallusto, Università della Svizzera Italiana & ETH Zurich

Antigen Specific T Cell Diversity

Yasmine Belkaid, NIAID, National Institutes of Health

Control of Host Immunity by the Microbiota

Live Q/A with Drs. Sallusto and Belkaid

Human Monoclonal Antibodies

Antonio Lanzavecchia, Institute for Research in Biomedicine

Human Monoclonals for COVID-19 Passive Immunization and Antigen Discovery

Hedda Wardemann, German Cancer Research Center

Dissecting Antibody Responses to Plasmodium Falciparum Circumsporozoite Protein for the Development of a Malaria Vaccine

Live Q/A with Drs. Lanzavecchia and Wardemann

Closing Remarks

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Tuesday, June 16, 2020

11:00am-3:30pm EST, 3:00-7:30pm UTC

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Introduction

RNA Vaccines

Christine Shaw, Moderna

mRNA Vaccines Against Viruses, including COVID-19

† **Ugur Sahin, BioNTech AG**

mRNA Vaccines against Tumors and COVID-19

Live Q/A with Drs. Shaw and Sahin

Systems Biology

Galit Alter, MIT and Harvard University

System Serolog

Bali Pulendran, Stanford University School of Medicine

Emerging Mechanism of Vaccine Modulation Detected by Systems Biology

Live Q/A with Drs. Alter and Pulendran

Therapeutic Vaccines

Catherine J. Wu, Dana-Farber Cancer Institute

Vaccines Against Tumor Neoantigens

† **Laurence Zitvogel, Institut Gustave Roussy**

Cancer Immunity and Microbiota

Ulrike Protzer, Technische Universität München

Therapeutic HBV Vaccines

Live Q/A with Drs. Wu, Zitvogel and Protzer

E-Panel: Facing COVID-19 and Other Emerging Infections

Rino Rappuoli, GlaxoSmithKline Vaccines (Moderator)

Panelists to be Finalized Shortly

Please visit <http://KeySym.us/vaxcovid19> for program and other event updates.