

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

Next Generation HIV Vaccines & Therapies (C2)

March 27-30, 2022 • Fairmont Banff Springs • Banff, AB, Canada

Scientific Organizers: Michel C. Nussenzweig, Robert F. Siliciano, John R. Mascola and Margaret E. Ackerman

Supported by the Directors' Fund

Scholarship Deadline: December 2, 2021 / Abstract Deadline: December 9, 2021 / Discounted Registration Deadline: January 26, 2022

SUNDAY, MARCH 27

Arrival and Registration

MONDAY, MARCH 28

Welcome and Keynote Address

Pamela J. Bjorkman, California Institute of Technology, USA
A Molecular Arms Race: The Immune System versus HIV

Human Immunization

William Schief, International AIDS Vaccine Initiative and The Scripps Research Institute, USA
Clinical Tests of Germline Targeting

Rogier W. Sanders, University of Amsterdam and Weill Cornell Medical College, Netherlands
SOSIP Based Immunogens as Vaccines

M. Juliana McElrath, Fred Hutchinson Cancer Research Center, USA
Env Based Immunogenicity in the Clinic

Short Talks Chosen from Abstracts

Passive Therapies

Glenda E. Gray, South African Medical Research Council, South Africa
The AMP Study

Marina F. Caskey, Rockefeller University, USA
Human Studies with Combination bNAbs

Malcolm A. Martin, National Institutes of Health, USA
Antibody Studies in SHIV Infected Macaques

Short Talks Chosen from Abstracts

Poster Session 1

TUESDAY, MARCH 29

Vaccine Immunology

Gabriel D. Vitoria, Rockefeller University, USA
Germinal Center Dynamics

Facundo D. Batista, Massachusetts Institute of Technology and Harvard University, USA
Mouse Models for HIV-1 Vaccines

Peter D. Kwong, NIAID, National Institutes of Health, USA
Vaccination Targeting Specific Sites of HIV-1 Vulnerability

Short Talks Chosen from Abstracts

Immunization Strategies

Margaret E. Ackerman, Dartmouth College, USA
Talk Title to be Announced

Shane Crotty, La Jolla Institute for Immunology, USA
Increasing the Breadth and Potency of Candidate HIV Vaccine Immune Responses

Darrell J. Irvine, Massachusetts Institute of Technology, USA
Adjuvants in HIV-1 Vaccination

Christopher O. Barnes, California Institute of Technology, USA
Structures of HIV-1 Env Trimers Define Antibody-Mediated Neutralization of HIV-1

Short Talks Chosen from Abstracts

Poster Session 2

WEDNESDAY, MARCH 30

HIV Immunology

Penny L. Moore, University of the Witwatersrand and National Institute for Communicable Diseases, South Africa
Viral vs. Antibody Diversification during Infection

Alexandra Trkola, University of Zürich, Switzerland
Role of the Virus in Dictating the Immune Response

Beatrice H. Hahn, University of Pennsylvania, USA
Exploiting the Ape Precursors of HIV-1 for AIDS Vaccine Design

Short Talks Chosen from Abstracts

Control of Latency

Robert F. Siliciano, Johns Hopkins University School of Medicine, USA
In vivo Dynamics of the HIV Reservoir

Sharon R. Lewin, University of Melbourne, Australia
The Latent Reservoir

Mathias Lichterfeld, Brigham and Women's Hospital, USA
Immune Selection of HIV Reservoir Cells

Bruce D. Walker, Ragon Institute of MGH, MIT and Harvard, USA
How Elite Controllers Control

Short Talks Chosen from Abstracts

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

THURSDAY, MARCH 31

Departure