

Keystone Symposia: HIV Biology and Pathogenesis

part of the Keystone Symposia Global Health Series

January 12–17, 2010 • Santa Fe Community Convention Center • Santa Fe, New Mexico • USA

Scientific Organizers: Thomas J. Hope, Katherine A. Jones and Daniel C. Douek

PROGRAM FACULTY & TALKS

Anna Aldovini, Children's Hospital Boston, USA

Host-Pathogen Interactions in HIV-Infected Cells

Galit Alter, Massachusetts General Hospital, USA

NK Cell Responses to HIV Infection

Frederic D. Bushman, University of Pennsylvania School of Medicine, USA

Integration of HIV DNA: Mechanism and Consequences

Paula M. Cannon, University of Southern California Keck School of Medicine, USA

Tetherin Restriction and its Ablation by Diverse Viral Proteins

Anna Cereseto, Scuola Normale Superiore, Italy

Visualization of the Preintegration Complex

Peter Cherepanov, Imperial College London, UK

Interaction of HIV Integrase with Cellular Factors

Steven G. Deeks, University of California, San Francisco, USA

Can Antiretroviral Therapy Fully Restore Health?

Daniel C. Douek, NIAID, National Institutes of Health, USA

Early Responses Set the Stage for Later Pathogenesis

Dana H. Gabuzda, Dana Farber Cancer Institute, USA

NeuroAIDS and HIV Reservoirs

Stephen P. Goff*, Columbia University, USA

HIV Interactions with Host Proteins

Beatrice H. Hahn, University of Alabama at Birmingham, USA

Natural History of SIVcpz in Wild Chimpanzees

Thomas J. Hope, Northwestern University, Feinberg School of Medicine, USA

Mechanisms of HIV Sexual Transmission

Katherine A. Jones, The Salk Institute, USA

Tat and Cellular Stress Induce the HIV-1 Core Promoter via Distinct Mechanisms

Vineet N. KewalRamani, National Cancer Institute, National Institutes of Health, USA

CA Modulation of HIV-1 Interactions with the Nuclear Pore Complex

Frank Kirchhoff, University of Ulm, Germany

Role of Nef in HIV Pathogenesis

Bette T. Korber, Los Alamos National Laboratory, USA

Interplay of Virus and Host Genetics

Richard A. Koup, National Institutes of Health, USA

Interplay of HIV and the Immune Response

Jeremy Luban, University of Geneva, Switzerland

TRIM5 Contributes to the Antiviral State

Michael H. Malim, King's College London School of Medicine, UK

Mechanism of HIV Inhibition by APOBEC3G

David McDonald, Case Western Reserve University, USA

Cell Biology of Trans-Infection

Gregory B. Melikian, University of Maryland, USA

Biophysics of HIV Entry

John P. Moore, Weill Medical College of Cornell University, USA

Small Molecule CCR5 Inhibitors as Vaginal Microbicides

Timothy Schacker, University of Minnesota, USA

Mechanisms of Lymphoid Tissue Fibrosis and its Consequences in HIV Infection

Guido Silvestri, University of Pennsylvania School of Medicine, USA

Why Don't Sooty Mangabeys get AIDS?

Wesley I. Sundquist, University of Utah School of Medicine, USA

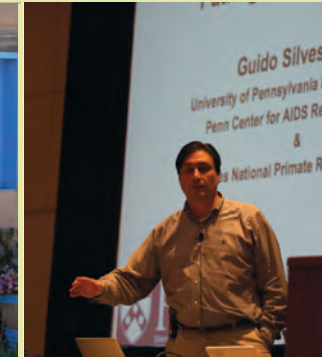
HIV Assembly and Budding

Eric M. Verdin, University of California, San Francisco, USA

Chromatin Structure and HIV Latency

Qiang Zhou, University of California, Berkeley, USA

Control of P-TEFb and HIV Tat Transactivation by RNA and Protein Regulators



The Keystone Symposia meeting on HIV Biology and Pathogenesis emphasizes key aspects of the basic virological, cell and molecular biological and disease aspects of HIV. The focus will be to highlight recent advances in our understanding of HIV/AIDS ranging from the earliest events of transmission, to treatments for infected individuals, to interventions to prevent viral transmission. The goal of the meeting is to emphasize the basic mechanisms of viral replication and the interplay of the virus with the immune system leading to the development of AIDS.

PROGRAM PLENARY SESSIONS & WORKSHOPS:

- HIV Transmission and Early Pathogenesis
- Workshop 1: HIV Interacting Proteins and their Role in HIV Biology
- HIV Entry
- Innate Restriction of HIV Infection
- Workshop 2: Towards Understanding how HIV Causes AIDS
- Immune Responses to HIV Infection
- Regulation of HIV Integration and Gene Expression
- Treatment and Prevention of HIV Infection
- HIV Latency and Reservoirs
- Workshop 3: New Approaches to Prevent and Treat HIV Infection
- HIV Interactions with the Cell and Host

DEADLINES:

Abstract & Scholarship: September 16, 2009

Late-Breaking Abstract: October 15, 2009

Early Registration: November 12, 2009

www.keystonesymposia.org/10A6

*Keynote speaker. Program subject to change. Current as of September 8, 2009

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