



HIV ACUTE INFECTION MEETING

- Meeting Agenda -

SEPTEMBER 22-23, 2009 | BOSTON, MA | Joseph B. Martin Conference Center at Harvard Medical School



Tuesday, September 22, 2009

7:30 a.m. – 8:30 a.m.

Registration

Welcome and Introduction

8:30 a.m. – 8:45 a.m.

Marcus Altfeld, M.D., Ph.D.
Massachusetts General Hospital
Harvard Medical School

Patricia D'Souza, Ph.D.
National Institute of Allergy and Infectious Diseases

Frederick (Rick) Hecht, M.D.
University of California, San Francisco, Positive Health Program

Session 1: Detection of Acute HIV Infection and Enrollment In Cohorts (Chairs: Myron Cohen and Rick Hecht)

8:45 a.m. – 9:15 a.m.

Detection and Enrollment of an Acute Infection Cohort in Africa: A Central Component of an Integrated HIV Vaccine Discovery and Development Program

Jill Gilmour, Ph.D.
International AIDS Vaccine Initiative (IAVI)

9:15 a.m. – 9:45 a.m.

Insights into Acute HIV Infection Dynamics, Infectivity and Detection from Studies of Blood Donors and Recipients

Mike Busch, M.D., Ph.D.
Blood Systems Research Institute

9:45 a.m. – 10:00 a.m.

Screening for Acute HIV Infection in South Africa: Finding Acute and Chronic Disease

Ingrid Bassett, M.D., M.P.H.
Partners Health Care

10:00 a.m. – 10:15 a.m.

Characteristics of Patients Diagnosed in the North Carolina Acute HIV Infection

Mehri McKellar, M.D.
Duke University Medical Center

10:15 a.m. – 10:45 a.m.

BREAK

Session II: Clinical Treatment of HIV-1 Infection (Chairs: Susan Little and Eric Rosenberg)

10:45 a.m. – 11:15 a.m.

Acute HIV Infection: To Treat or Not to Treat- It is Still a Question!

Marty Markowitz, M.D.
Aaron Diamond AIDS Research Center

11:15 a.m. – 11:30 a.m.

Viral Dynamics After Stopping Short-Course Antiretroviral Therapy (CART) Initiated in Primary HIV Infection

Sarah Fidler, Ph.D.
The Medical Research Council, Clinical Trials Unit

11:30 a.m. – 11:45 a.m.	Control of HIV Replication After Treatment Interruption Initiated During Primary Infection <i>Cecile Goujard, M.D., Ph.D.</i> <i>French ANRS PRIMO Cohort</i>
11:45 noon–1:00 p.m.	LUNCH
Session III: Transmission and Transmission Biology of HIV–1 Infection (Chairs: Julie Overbaugh and Eric Hunter)	
1:00 p.m. – 1:30 p.m.	The Lovers: The Sexual Transmission of HIV <i>David Smith, M.D.</i> <i>University of California, San Diego</i>
1:30 p.m.–2:00 p.m.	Setting the Stage for Infection: Early Host Responses to SIV Vaginal Challenge <i>Jacob Estes, Ph.D.</i> <i>National Cancer Institute</i>
2:00 p.m. – 2:15 p.m.	Estimating the Fraction of New HIV Infections from Acute-Stage Cases in Zimbabwe Through Network Modeling <i>Steven Goodreau, Ph.D.</i> <i>University of Washington</i>
2:15 p.m. – 2:30 p.m.	Not Without Heritage: Increased Clustering in Recently Transmitted HIV–1 in San Francisco, 1996–2008 <i>Jeff McConnell, M.A.</i> <i>Gladstone Institute of Virology and Immunology</i>
2:30 p.m. – 3:00 p.m.	Break
Session IV: Cellular Response to HIV–1 Infection: Adaptive and Innate Responses (Chairs: Doug Nixon and Marcus Altfeld)	
3:00 p.m. – 3:15 p.m.	The First Innate and T Cell Responses to HIV-1 Infection <i>Andrew McMichael, Ph.D.</i> <i>University of Oxford</i>
3:15 p.m. – 3:45 p.m.	Modulation of Immunity to HIV by Dendritic Cells <i>Nina Bhardwaj, M.D., Ph.D.</i> <i>New York University, School of Medicine</i>
3:45 p.m. – 4:00 p.m.	Early Immunological Correlates of Subsequent HIV Progression <i>Mario Roederer, Ph.D.</i> <i>National Institute of Allergy and Infectious Diseases</i>
4:00 p.m. – 4:15 p.m.	Dynamics of CTL Epitope Escape and Reversion in an African Subtype C Cohort <i>Malinda Schaefer, Ph.D.</i> <i>Emory Vaccine Center</i>
4:15 p.m. – 4:30 p.m.	Prevalent HLA Class I Allele Combinations Result in a Lack of HIV-1-Specific CD8+ T Cell Responses and Higher Viral Set Point <i>Hendrik Streeck, M.D., Ph.D.</i> <i>The Ragon Institute of MGH, MIT and Harvard</i>
4:30 p.m. – 7:00 p.m.	Poster Session Reception

Wednesday, September 23, 2009

Session V: Virology of Acute HIV-1 and Viral Evolution (Chairs: Jim Mullins and Todd Allen)

- 8:30 a.m. – 9:00 a.m. **Transmitted/Founder Viruses and Their Progeny in Acute HIV-1 and SIV Infection**
George Shaw, M.D., Ph.D.
University of Alabama at Birmingham
- 9:00 a.m. – 9:30 a.m. **Transmissions and Outcomes with HIV-1 Subtype A, C, D Infection**
Eric Arts, Ph.D.
Case Western Reserve University
- 9:30 a.m. – 9:45 a.m. **HIV-1 Transmission and Early Evolution: Whole Genome Analysis**
James Mullins, Ph.D.
University of Washington
- 9:45 a.m. – 10:00 a.m. **CTL Escape Mutations in Gag Associated With Protective HLA Alleles Substantially Impact Viral Replication**
Christian Boutwell, Ph.D.
Ragon Institute of MGH, MIT and Harvard
- 10:00 a.m. – 10:15 a.m. **Spectrum of the *In Vivo* Gag Mutations During Primary HIV-1 Subtype C Infection**
Vlad Novitsky, M.D., Ph.D.
Harvard School of Public Health
- 10:15 a.m. – 10:45 a.m. **BREAK**

Session VI: Humoral Immune Responses to HIV-1 Infection (Chairs: Bart Haynes and Doug Richman)

- 10:45 a.m. – 11:15 a.m. **Limited Neutralizing Antibody Specificities Drive Neutralization Escape in Early HIV-1 Subtype C Infection**
Lynn Morris, D.Phil
National Institute for Communicable Diseases
- 11:15 a.m. – 11:30 a.m. **Induction of Robust ADCC-Inducing Antibodies During Acute HIV-1 Infection**
Galit Alter, Ph.D.
Ragon Institute of MGH, MIT and Harvard
- 11:30 a.m. – 11:45 a.m. **Polyclonal B Cell Activation and Loss of Gastrointestinal Tract Germinal Centers in Acute/Early HIV-1 Infection**
M. Anthony Moody, M.D.
Duke University Medical Center
- 11:45 a.m. – 12:00 noon **Autologous Neutralizing Antibodies in Early Subtype C HIV-1 Infection Target Variable Regions of Envelope and Drive Multiple Pathways of Viral Escape**
Cynthia Derdeyn, Ph.D.
Emory University
- 12:00 noon – 1:15 p.m. **LUNCH**

Late Breakers (Chairs: Rick Hecht and Marcus Altfeld)

- 1:15 p.m. – 1:30 p.m. **Evidence of Vaccine-Induced Changes in Breakthrough HIV-1 Strains from the STEP Trial**
Morgane Rolland, Ph.D.
University of Washington

Wednesday, September 23, 2009 (cont.)

1:30 p.m. – 1:45 p.m.	The Genetic Complexity of HIV-1 Env in Subtype B and C Transmission Pairs <i>Jeffrey Anderson</i> <i>University of North Carolina</i>
1:45 p.m.– 2:00 p.m.	Profiling Acute HIV Infection : Functional Exhaustion and Survival Impairment of HIV-specific CD8 T Cells occur as early as Primary Infection <i>Lydie Trautmann, Ph.D.</i> <i>Oregon Health & Science University, Vaccine and Gene Therapy Institute, VGTI Florida</i>
Lecture (Chair: Patricia D'Souza)	
2:00 p.m. – 2:30 p.m.	Using the Information From Acute Infection Studies to Design HIV Vaccine <i>Julie McElrath, M.D., Ph.D.</i> <i>Fred Hutchinson Cancer Research Center</i>
2:40 p.m.	Closing Remarks