Third International Workshop on HIV Persistence during Therapy Scientific Program

Tuesday, December 4, 2007

19:30 Welcome Dinner - Poolside Patio, Westin

Wednesday, December 5, 2007	7
Morning Sessions	

8:00 Opening Remarks

Mario Stevenson University of Massachusetts Medical School, Worcester, USA

SESSION 1: BASIC SCIENCE & ANIMAL MODELS OF VIRAL PERSISTENCE

Chairs: Michaela Müller-Trutwin Institut Pasteur, Paris, France

Mario Stevenson University of Massachusetts Medical School, Worcester, USA

8:05 Viral Reservoirs and HIV Pathogenesis: Lessons from SIV Primate Models

Michaela Müller-Trutwin Institut Pasteur, Paris, France

8:25 Reservoirs of SIV in Macaques Controlling Infection

Ronald S. Veazey Tulane National Primate Research Center, Covington, USA

8:45 Cellular Restrictions to Lentivirus Infection of Macrophages

Mario Stevenson University of Massachusetts Medical School, Worcester, USA

9:05 Discussant

Simon Wain-Hobson Institut Pasteur, Paris, France

9:15 Cats with Feline Immunodeficiency Virus (FIV) as an Animal Model for Studying

Lentiviral Persistence during Antiretroviral Treatment

Andrea Savarino Istituto Superiore di Sanita, Rome, Italy

9:25 Improved Integrase Inhibitor Containing Combination Antiretroviral Therapy

Regimen in SIV Infected Macaques

Jeffrey D. Lifson National Cancer Institute, Frederick, USA

9:40 BREAK

SESSION 2: CELLULAR BIOLOGY & RESERVOIRS

Chairs: Christine Rouzioux CHU Necker Enfants Malades, Paris, France

Alain Lafeuillade Chalucet Hospital, Toulon, France

10:10 New Insights into the Molecular Underpinnings of HIV Latency

Warner C. Greene Gladstone Institute of Virology and Immunology,

San Francisco, USA

10:30 Mechanisms that Maintain Proviral Latency: Targets for Future Therapeutics

David M. Margolis University of North Carolina, Chapel Hill, USA

10:50 Discussant

Christine Rouzioux CHU Necker Enfants Malades, Paris, France

11:00 A Clinical Integration Assay Shows that Patients on HAART Have Lower Levels

of Integrated HIV-1 DNA than Patients not on HAART

Una O'Doherty University of Pennsylvania, Philadelphia, USA

11:12 HIV-1 Reservoirs: Viral Population Dynamics in Rectal Tissue in Comparison

with Blood Infected Cells

Veronique Avettand-Fènoël CHU Necker Enfants Malades, Paris, France

11:24 HIV-1 TAR miRNA and Latency

Zachary Klase The George Washington University School of Medicine,

Washington DC, USA

11:36 A Post-Transcriptional Block in Gene Expression Contributes to the Establishment

and Maintenance of HIV-1 Latency

Kara G. Lassen Case Western Reserve University School of Medicine,

Cleveland, USA

11:48 NF-κΒ/ΙκΒα Shuttling is an Essential Pathway for Maintenance and Reactivation

of Resting HIV-1 Latent Reservoirs

Jose Alcamí Instituto de Salud Carlos III, Madrid, Spain

12:30 Lunch

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Afternoon Sessions

13:30-16:00 POSTER VIEWING SESSION I

Basic Science & Animal Models of Viral Persistence, Cellular Biology & Reservoirs and Immunology & Reservoirs

SESSION 3: IMMUNOLOGY & RESERVOIRS

Chairs: Marie-Lise Gougeon Institut Pasteur, Paris, France

Satya Dandekar University of California, Davis, USA

16:00 Immunopathogenesis of HIV in the Gut

Satya Dandekar University of California, Davis, USA

16:20 HIV, Virological & Immunological Synapses

Olivier Schwartz Institut Pasteur, Paris, France

16:40 Discussant

Marie-Lise Gougeon Institut Pasteur, Paris, France

17:00 CCR7 Ligands CCL19 and CCL21 Increase Permissiveness of Resting Memory

CD4+ T-cells to HIV-1 Infection: a Novel Model of HIV-1 Latency

Sharon R. Lewin Alfred Hospital, Melbourne, Australia

17:12 Homeostatic and Antigen-induced Cellular Proliferations Ensure HIV-1 Reservoir

Persistence

Nicolas Chomont Université de Montreal, Montreal, Canada

17:24 Urokinase-type Plasminogen Activator (uPA) Inhibition of HIV-1 Replication in Mononuclear Phagocytes is Dependent Upon Vitronectin-mediated Cell Adhesion

Massimo Alfano San Raffaele Scientific Institute, Milan, Italy

17:36 Beneficial Effects of TRAIL on HIV Viral Burden Without Detectable Immune

Consequences

Stacey Rizza Mayo Clinic, Rochester, USA

17:48 Fewer Integrated Provirus Copies in Peripheral Blood Mononuclear Cells and

Resting Memory CD4+ T Cell Subsets from Long-term Controllers than in Cells

from Chemotherapeutically-suppressed Subjects

Carey K. Hwang Vanderbilt University, Nashville, USA

19:00 Dinner - Courtyard, Westin

Thursday, December 6, 2007

Morning Session

SESSION 4: Chairs:		RESISTANCE & RESERVO Mark A. Wainberg John Coffin	IRS McGill University AIDS Centre, Montreal, Canada National Cancer Institute, Frederick, USA	
8:45	and Cyclin T1			
9:05	HIV "I	C	McGill University AIDS Centre, Montreal, Canada nship Between Persistent HIV and Immune Responses University of California, San Francisco, USA	
9:25	Discus John C		National Cancer Institute, Frederick, USA	
9:45		ction of HIV-1 Replication by E Hui Zheng	Human Cytidine Deaminase APOBEC3H Michigan State University, East Lansing, USA	
9:55	Genetic Diversity of Reverse Transcriptase in Blood and Genital Tract of HIV-1 Infected Antiretroviral Naïve Females Shanmugasundaram Uma Y. R. Gaitonde Center for AIDS Research and			
10:15	BREA	K	Education, Chennai, India	
, , , , ,			MACOLOGY, COMPARTMENTS & RESERVOIRS University of California, San Diego, USA University of Amsterdam, Amsterdam, the Netherlands	
10:45		troviral Distribution and Effec Letendre	ctiveness in the Central Nervous System University of California, San Diego, USA	
11:05	Pharmacology & Sanctuary Sites in HIV Infection Sanjay Sankatsing University of Amsterdam, Amsterdam, the Netherlands			
11:25	Discus Joep L		University of Amsterdam, Amsterdam, the Netherlands	
11:30	CD4 T Lymphocytes May Not Be the Source of Residual Plasma HIVs in Patients Receiving Prolonged Effective HAART Gautam K. Sahu University of Texas Medical Branch, Galveston, USA			
11:40	Plasma		the Disposition of Antiretrovirals in Semen Ponce School of Medicine, Ponce, Puerto Rico	

11:50 Persistent Intrathecal Immune Activation in HIV-1-infected Individuals on

Antiretroviral Therapy

Aylin Yilmaz The Sahlgrenska Academy at Göteborg University,

Göteborg, Sweden

12:00 HIV-1 Protease Inhibitors do not Interfere with Provirus Transcription and Host Cell

Apoptosis Induced by Combined Treatment TNF- α + TSA

Claire Vandergeeten *University of Liege, Belgium*

12:10 Cellular Targets of the HIV-1 Maturation Inhibitor Bevirimat

Chin-Ho Chen Duke University Medical Center, Durham, USA

12:30 Lunch

Afternoon Sessions

13:30-16:00 POSTER VIEWING SESSION II

Resistance & Reservoirs and Primary HIV Infection & Eradication Issues

SESSION 6: RESEARCH PRESENTATIONS FROM FIRMS SUPPORTING THE WORKSHOP

Chairs: Jose M. Gatell Hospital Clinic, Barcelona, Spain

Alain Lafeuillade Chalucet Hospital, Toulon, France

16:00 Screening and Selecting for Optimized Antiretroviral Drugs: Rising to the Challenge

of Drug Resistance

On behalf of Tibotec: Guenter Kraus; Mechelen, Belgium

16:15 Challenges and Opportunities for Future HIV Therapeutics

On behalf of Merck: Daria Hazuda; West Point, USA

16:30 Update on Gilead Anti-HIV Development Programs

On behalf of Gilead: Michael Miller; Foster City, USA

SESSION 7:	PRIMARY HIV INFECTION & ERADICATION ISSUES

Chairs: Dean H. Hamer National Cancer Institute, Bethesda, USA

Luc Perrin Geneva University Hospital, Geneva, Switzerland

17:30 Targeting the Persistent HIV Reservoir by Combined Cis- and Trans-activators

Dean H. Hamer National Cancer Institute, Bethesda, USA

17:50 The Effect of Treatment of Acute and Early HIV Infection with Combination ART

on the GI-associated Lymphoid Tissue

Martin Markowitz Aaron Diamond AIDS Research Center and Rockefeller

University, New York, USA

18:10 Discussant

Luc Perrin Geneva University Hospital, Geneva, Switzerland

18:20 Low-level Virema in HIV-1-Infected Patients Classified as "Elite Controllers"

Compared to Patients on Suppressive Antiretroviral Therapy

Sarah Palmer National Institutes of Health, Frederick, USA

18:35 Elite Suppressor-derived HIV-1 Envelope Glycoproteins Exhibit Reduced Coreceptor

Affinity and Delayed Fusion Kinetics In Vitro

Michael A. Lobritz Case Western Reserve University, Cleveland, USA

20:00 Gala Dinner - Beach North, Westin

Friday, December 7, 2007

Morning Sessions

SESSION 8: NEW THERAPEUTIC APPROACHES

Chairs: David M. Margolis University of North Carolina, Chapel Hill, USA

Alain Lafeuillade Chalucet Hospital, Toulon, France

9:15 Why Are We Having HAART Failure?

Joseph Kulkosky Chestnut Hill College, Philadelphia, USA

9:35 HIV-1 Latency: A Drug Discovery and Development Perspective

Daria Hazuda Merck Research Laboratories, West Point, USA

9:55 Cellular Reservoirs of HIV: Perspectives for Eradication and Development of

Therapeutic Strategies

Tae-Wook Chun National Institute of Allergy and Infectious Diseases,

Bethesda, USA

10:15 Discussant

Elimination of HIV-1 Infection by Treatment with a Doxorubicin-conjugated

Anti-envelope Antibody

Susanne Johansson Karolinska Institutet, Stockholm, Sweden

10:35 Redirecting Natural Antibodies using CD4 Peptides Coupled to the Disaccharide Gal-α1,3-gal as Antibody-antigen Linker

Anders Vahlne Karolinska Institutet, Stockholm, Sweden

10:47 Inhibition of HIV-1 Release from Human Macrophage Reservoirs with the Novel

Compound BIT225

John Wilkinson

Biotron Limited, Sydney, Australia

10:59 The Effects of HDAC Inhibitors Inducing HIV Infected Resting CD4+ T-cells

Herbert K. Dang Merck Research Laboratory, West Point, USA

11:11 HPH116, the First in a New Class of Anti-viral Agents, Potentiates T-20, Tenofovir and AZT Anti-viral Activity *In Vitro*

Patrick R. Mahy H-PHAR, Gosselies, Belgium

11:23 SJ23B, a Jatrophane Diterpene Isolated from Euphorbia Hyberna Displays Strong

Activity Against HIV In Vitro

Jose Alcamí Instituto de Salud Carlos III, Madrid, Spain

WORKSHOP CONCLUSIONS

12:00 Jose M. Gatell Hospital Clinic, Barcelona, Spain

Alain Lafeuillade Chalucet Hospital, Toulon, France

Luc Perrin Geneva University Hospital, Geneva, Switzerland

Mario Stevenson University of Massachusetts Medical School, Worcester, USA