

IAS Towards an HIV Cure Symposium

19th - 20th July 2014

Victoria University City Convention Center, Melbourne, Australia

19th
July

Saturday 19th July

8:30 - 9:00 **Registration**

OPENING

9:00 - 9:30

Welcome and Introduction

Françoise Barré-Sinoussi, Institut Pasteur and Inserm

Jack Whitescarver, Office of AIDS Research, National Institutes of Health

Chair: Sharon Lewin, The Alfred Hospital, Monash University & Burnet Institute

Welcome Remarks

Hon. David Davis, Minister for Health, Victorian Government

KEYNOTE

9:30 - 10:00

Chair: Steve Deeks, University of California, San Francisco

The Role of Therapeutic Vaccination in HIV Cure Strategies

Jeff Lifson, Frederick National Laboratory for Cancer Research

SESSION 1

10:00 - 11:20

Clearing HIV-Infected Cells: Kill

Chairs: Asier Saez-Cirion, Institut Pasteur and Marcus Altfeld, Heinrich Pette Institute

IS1-1

10:00 - 10:20

Allogeneic Stem Cell Transplantation, Graft-versus-Host Disease and the Elimination of HIV

Invited Speaker: Geoff Hill, Queensland Institute of Medical Research

OA1-1

10:20 - 10:35

A population of CD8 T cells is located in germinal centers that is functionally capable of mediating bispecific antibody mediated killing of HIV-infected T cells

Richard Koup, Vaccine Research Center

OA1-2

10:35 - 10:50

Potent and broadly anti-HIV-1 neutralizing antibody VRC01 inhibits HIV-1 transmission from plasmacytoid dendritic cells to CD4 T lymphocytes

Bin Su, Inserm

19th
July

OA1-3
10:50 - 11:05

HIV Controller CD4+ T cells preferentially express a public TCR clonotype that confers high avidity responses against Gag

Lisa A. Chakrabarti, Institut Pasteur

OA1-4
11:05 - 11:20

Follicular SIV-specific CD8 T cells contribute to enhanced control

Rama Rao Amara, Emory University

11:20 - 11:45

Coffee Break

SESSION 2
11:45 - 13:05

Reversing Latent HIV : Shock

Chairs: Mathias Lichtenfeld, Massachusetts General Hospital and Ben Berkhout, University of Amsterdam

IS2-1
11:45 - 12:05

Epigenetic Regulation of HIV Latency

Invited Speaker: Melanie Ott, Gladstone Institutes and University of California, San Francisco

OA2-1
12:05 - 12:20

Synergistic activation of HIV-1 expression by compounds releasing active positive transcription elongation factor b (P-TEFb) and by inducers of the NF- κ B signaling pathway

Gilles Darcis, Université Libre de Bruxelles and Université de Liège

OA2-2
12:20 - 12:35

A new family of compounds that reactivate latent HIV in central memory T cells

Vicente Planelles, University of Utah

OA2-3
12:35 - 12:50

Induction and clearance of latent HIV infection : modeling viral clearance by immune effectors using cells from ART-treated patients

David Margolis, University of North Carolina at Chapel Hill

OA2-4 LB
12:50 - 13:05

The HDAC Inhibitor Romidepsin is Safe and Effectively Reverses HIV-1 latency in vivo as Measured by Standard Clinical Assays

Ole Søggaard, Aarhus University Hospital

13:05 - 14:00

Lunch Break

20th
July

Sunday **20th** July

NADS2
9:30 - 10:30

Roundtable: Preparedness for HIV Cure in Resource-Limited Settings

Chair: Paula Munderi, MRC/UVRI Uganda Research Unit on AIDS

Panelists:

Jintanat Ananworanich, US Military HIV Research Program

Robert Murphy, Northwestern University

Kenly Sikwese, Positive Health Outcomes

Mathurin Tejiokem, Pasteur Centre of Cameroon

Joseph Tucker, UNC Project-China

10:30 - 11:00

Coffee Break

SESSION 4
11:00 - 12:50

Where Does HIV Persist on ART?

Chairs: Luis Montaner, The Wistar Institute and Melissa Churchill, Burnet Institute

IS4-1
11:00 - 11:20

Impact of antiretroviral treatment on HIV reservoirs

Invited Speaker: Christine Rouzioux, Université Paris Descartes

OA4-1
11:20 - 11:35

The immune checkpoint blockers PD-1, LAG-3 and TIGIT are biomarkers of HIV infected cells during ART and identify distinct cellular reservoirs

Remi Fromentin, VGTI Florida

OA4-2
11:35 - 11:50

Following in vitro culture with myeloid dendritic cells, negative regulators of T-cell activation are expressed preferentially on latently infected CD4+ T-cells

Vanessa A. Evans, Monash University and Burnet Institute

OA4-3
11:50 - 12:05

Ultra-deep barcoded SIVmac239 to identify and quantify viral reservoirs and recrudescence viremia

Brandon Keele, Frederick National Laboratory

OA4-4
12:05 - 12:20

In vivo analysis of HIV replication and persistence in the myeloid compartment

Rae Ann Spagnuolo, University of North Carolina at Chapel Hill

20th
July

OA4-5
12:20 - 12:35

**Simian Immunodeficiency Virus (SIV) infection of the macaque testis-
An immune privileged site**

Wendy Winnall, University of Melbourne

OA4-6 LB
12:35 - 12:50

**A novel assay that precisely measures the size of the latent HIV reser-
voir reveals that ART-naïve individuals harbour a large pool of latently
infected CD4+ T cells**

Nicolas Chomont, VGTI Florida

12:50 - 14:00

Lunch Break & Poster Exhibition

NADS3
14:00 - 14:30

Roundtable: Public and Private Partnerships in HIV Cure Research

Chairs: Sharon Lewin, The Alfred Hospital, Monash University and Burnet Institute, and
Zhi Hong, GlaxoSmithKline

Panelists:

David Kaslow, PATH

Mike McCune, University of California, San Francisco

CLOSING
14:30 - 15:00

Chair: Carl Dieffenbach, NIH, NIAID

**Keynote: Targeting chromatin remodelling as a treatment for haematogi-
cal malignancies – lessons we can learn for the treatment of latent HIV**

Miles Prince, Peter MacCallum Cancer Centre

15:00 - 15:15

IAS-ANRS HIV Cure Young Investigator Prize Ceremony

Chair: Jean-François Delfraissy, ANRS

15:15 - 15:30

Closing Remarks

2014 Towards an HIV cure Symposium

International AIDS Society

19 & 20 July 2014

Victoria University, City Convention Center, 300 Flinders Street, Melbourne, Australia

TIME	Saturday 19th July	Sunday 20th July	TIME
8:30 - 9:00	Registration		
9:00 - 9:30	Welcome Remarks Victoria Health Minister, David Davis MP		
9:30 - 10:00	Keynote Address Jeff Lison	Roundtable: Preparedness for HIV Cure in Resource-Limited Settings	9:30 - 10:30
10:00 - 11:20	S1: Clearing HIV-infected Cells: Kill Invited Speaker: Geoff Hill	Break	10:30 - 11:00
11:20 - 11:45	Break	S4: Where Does HIV Persist on ART? Invited Speaker: Christine Rouzioux	11:00 - 12:50
11:45 - 13:05	S2: Reversing Latent HIV: Shock Invited Speaker: Melanie Ott		
13:05 - 14:00	Lunch	Lunch Break Poster Exhibition	12:50 - 14:00
14:00 - 15:00	Roundtable: Analytical Treatment Interruption in HIV Cure Research	Discussion: Public-Private Partnership for HIV Cure	14:00 - 14:30
15:00 - 16:35	S3: Why Does HIV Persist on ART? Invited Speaker: Dan Barouch	Closing Session & IAS/ANRS Young Investigator Prize Invited Speaker: Miles Prince	14:30 - 15:30
16:35 - 18:00	Poster Exhibition		

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people focused science driven

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