



2016 Towards an HIV Cure Symposium Programme

16 & 17 July 2016

Durban International Convention Centre (ICC), Durban, South Africa

Saturday 16th July

13h15 – 14h00		Registration
14h00 – 15h00		Opening Session
14h00 – 14h15	Welcome & Introduction	Françoise Barré-Sinoussi Jack Whitescarver Chair: Sharon Lewin
14h15 – 14h45	Special Guest Keynote	Addressing HIV Persistence: Challenges and Opportunities Anthony Fauci, National Institute of Allergy and Infectious Diseases, NIH, United States
14h45 – 15h00	Community	Moving Towards AIDS Cure: Community Partnerships Gethwana Mahlase, COMOSAT NGO, South Africa
15h00 – 16h05		Session 1
		Ethics and Social Sciences in HIV Cure Research Chairs: Dianne Rausch, National Institute of Mental Health, NIH, United States Nir Eyal, Harvard TH Chan School of Public Health, United States
15h00 – 15h20	Invited speaker	Identifying Key Drivers of the Impact of an HIV Cure Intervention in Sub-Saharan Africa Andrew Phillips, University College London, United Kingdom
15h20 – 15h35	OA1-1	Unanticipated participant benefits in HIV cure clinical research: A qualitative analysis Adam Gilbertson, University of North Carolina at Chapel Hill, United States
15h35 – 15h50	OA1-2	Ethical and social implications of proposed HIV cure research: stakeholder perspectives from South Africa Keymanthri Moodley, Stellenbosch University, South Africa
15h50 – 16h05	OA1-3	Factors Affecting Participation in HIV Cure-Related Research in the United States: Implications for Effective and Ethical Implementation Karine Dubé, UNC Gillings School of Global Public Health, United States

16h05 – 16h30	Break	
----------------------	--------------	--

16h30 – 18h00	Special Session	Paediatric HIV Cure Research, in collaboration with the 8th International Workshop on HIV Pediatrics Chair: Deborah Persaud, Johns Hopkins University, United States
16h30 – 16h55	Presentation	Neonatal and paediatric immunology relevant to HIV persistence Deena Gibbons, King's College London, United Kingdom Nigel Klein, University College London, United Kingdom
16h55 – 17h50	Roundtable	Research priorities in paediatric HIV cure Moderator: Jintanat Ananworanich, US Military HIV Research Program, United States Panelists: Paolo Rossi, University of Rome, Italy Thanyawee Puthanakit, Chulalongkorn University, Thailand Barbara Kingsley, HIV Activist, South Africa Diana Finzi, National Institute of Allergy and Infectious Diseases, NIH, United States Caroline Tiemessen, National Institute for Communicable Diseases, South Africa
17h50 – 18h00	Conclusion	Deborah Persaud, Johns Hopkins University, United States

18h00 – 19h30	Poster Exhibition and Networking Session	
----------------------	---	--

Sunday 17th July

09h00 – 10h35	Session 2	HIV Latency and Reversal Strategies Chairs: Carl Dieffenbach, Division of AIDS, NIAID, NIH, United States Lynn Morris, National Institute for Communicable Diseases, South Africa
09h00 – 09h20	Invited speaker	Addressing key gaps in cure research through identification and treatment of hyperacute HIV infection in a resource-limited setting Thumbi Ndung'u, University of KwaZulu-Natal, South Africa
09h20 – 09h35	OA2-1	Frequent and 'burst-like' reactivation from latency in SIVmac239M infected macaques Miles Davenport, Kirby Institute for Infection and Immunity, Australia
09h35 -9h50	OA2-2	Cell-associated HIV-1 unspliced RNA level predicts both time to virological suppression and duration of post-treatment virological control in patients treated with temporary early ART Alexander Pasternak, Academic Medical Center of the University of Amsterdam, Netherlands
9h50 – 10h05	OA2-3	BCL-2 antagonism decreases HIV replication and infected cell survival in acute in vitro infection Andrew Badley, Mayo Clinic, Infectious Diseases, United States
10h05 – 10h20	OA2-4	Enhancing HIV-1 Virion Tethering by BST2/Tetherin Sensitizes Productively and Latently Infected T cells to ADCC Mediated by Broadly Neutralizing anti-HIV Antibodies Éric A. Cohen, Institut de Recherches Cliniques de Montréal and Université de Montréal, Canada
10h20 – 10h35	OA2-5 LB	No Evidence of Ongoing Replication in Tissue Compartments During Combination Antiretroviral Therapy Giorgio Bozzi, NCI NIH at Frederick, United States

10h35 – 11h00 **Break**

11h00 – 12h35 **Session 3** **Novel Strategies for HIV Cure**
Chairs:
Daniel Kuritzkes, Brigham & Women's Hospital, Harvard Medical School, United States
Silvija Staprans, Bill & Melinda Gates Foundation, United States

11h00 – 11h20 Invited speaker **How Can Oncology Help HIV Cure Strategies?**
Olivier Lambotte, APHP - Hôpital Bicêtre, France

11h20 – 11h35 OA3-1 **Allogeneic Stem Cell Transplantation in HIV-1 Infected Individuals; the EpiStem Consortium**
Annemarie Wensing, University Medical Center Utrecht, Netherlands

11h35 – 11h50 OA3-2 **CCR5 Gene Edited Cells Traffic to Viral Reservoir Tissues and Undergo SHIV-Dependent Positive Selection in Nonhuman Primates**
Christopher Peterson, Fred Hutchinson Cancer Research Center, United States

11h50 – 12h05 OA3-3 **Combinatorial CRISPR/Cas9 approaches targeting different steps in the HIV life cycle can prevent the selection of resistance**
Monique Nijhuis, University Medical Center Utrecht, Netherlands

12h05 – 12h20 OA3-4 LB **Elimination of HIV-1 latently infected cells by PKC agonist gnidimacrin alone and in combination with a histone deacetylase inhibitor**
Li Huang, Duke University Medical Center, United States

12h20 – 12h35 OA3-5 LB **Effect of vorinostat, hydroxychloroquine and maraviroc combination therapy on viremia following treatment interruption in individuals initiating ART during acute HIV infection**
Jintanat Ananworanich, US Military HIV Research Program, United States

12h35-14h00 **Lunch Break & Poster Exhibition**

14h00 – 15h00 **Roundtable** **Bridging Biomedical Research and Social Sciences Towards an HIV Cure**
Chair: Judith Auerbach, University of California, San Francisco, United States
Panelists:
Moses Supercharger Nsubuga, Joint Clinical Research Centre, Uganda
Jerome Singh, Nelson R. Mandela School of Medicine, South Africa
Peter Newman, University of Toronto, Canada
Monique Nijhuis, University Medical Center Utrecht, Netherlands

15h00 – 15h25 **Break**

15h25 – 17h00	Session 4	Immunology of HIV Persistence Chairs: Zabrina Brumme, Simon Fraser University, Canada Asier Saez-Cirion, Institut Pasteur, France
15h25 – 15h45	Invited speaker	The Role of B Cell Follicles in HIV Replication and Persistence Elizabeth Connick, University of Arizona, United States
15h45 – 16h00	OA4-1	Heterodimeric IL-15 induces effector cell activation and trafficking to the Germinal Centers of SIV infected Macaques George Pavlakis, National Cancer Institute at Frederick, United States
16h00 – 16h15	OA4-2	HIV Persists in Colon and Blood CCR6+CD4+ T-Cells during ART Jean-Pierre Routy, McGill University Health Centre, Canada
16h15 – 16h30	OA4-3	PD-1 blockade combined with ART improves SIV-specific CD8 T cell function and enhances control of pathogenic SIV after ART interruption Rama Rao Amara, Emory University, Yerkes National Primate Research Center, United States
16h30 – 16h45	OA4-4	Latency reversing agents induce HIV-1 protein expression in latently infected cells for cytotoxic T-lymphocyte antiviral recognition and killing Alba Ruiz de Andrés, AIDS Research Institute IrsiCaixa, Spain
16h45 – 17h00	OA4-5 LB	SIV persistence in ART-treated infant rhesus macaques Ann Chahroudi, Emory University, United States
17h00 – 17h30	Closing Lecture	Chair: Steven Deeks, University of California, San Francisco, United States Development and Reversal of T Cell Exhaustion John Wherry, University of Pennsylvania, United States
17h30 – 17h45		IAS-ANRS HIV Cure Young Investigator Prize Ceremony Presented by Jean-François Delfraissy, ANRS, France Chris Beyrer, Johns Hopkins Bloomberg School of Public Health, United States
17h45 – 18h00	Closing	Closing Remarks