

AC41 Host-Virus interactions annual international symposium

**“Targeting the HIV reservoir:
from HIV sensing to immunotherapies”**

21st November 2023

at Institut Pasteur, Paris
François Jacob auditorium

Program

8:45am OPENING COFFEE

9:00am Welcome
Michaela MÜLLER-TRUTWIN (Institut Pasteur, France)

Session 1 - HIV sensing and cellular defences

Chairs: Alessia Zamborini and Nolwenn Jouvenet

9:10am “HIV, host defence and how it may relate to cure”
Greg Towers (University College London, UK)

9:35am “Microtubules as a novel battleground in host cellular responses to HIV”
Andrea Cimarelli (CIRI, Université de Lyon, France)

10:00am “Activation of innate sensors and HIV”
Nicolas Manel (Institut Curie, France)

10:25am Flash Talks
Nicolas Barquilla (Nante University); Thomas Loustau (Strasbourg University);
Florian Meurisse (CEA); Léo Plaçais (Université Paris Saclay, Hôpital Bicêtre);
Quang Nhat Tu (ENS Paris-Saclay, Paris-Saclay University)

10:40am - 11:10am BREAK

Session 2 - Gene therapy and adoptive transfer strategies

Chairs: Lisa Chakrabarti and Asier Sáez-Cirión

11:10am CAR T and cancer
Emmanuel Donnadieu (Institut Cochin, France)

11:35am “Creating HIV-resistant anti-Envelope CAR T cells”
Martin Tolstrup (Aarhus University, Denmark)

12:00pm “Targeted gene therapy for HIV proviral excision”
Ulrike Lange (German Center for Infection Research-DZIF, Germany)

12:25pm Short talk:
“GENHIV : Phase I/II study results of CD34+ Hematopoietic Stem Cells and CD4+ T Lymphocytes Transduced with LVsh5/C46 in HIV-1 Infected Patients with High-Risk Lymphoma ”
Jean-Sébastien DIANA (Necker Hospital, France)

12:40pm - 2:10pm LUNCH BREAK (with Posters)

Session 3 - Modulation of the immune system

Chairs : Nicolas Chomont and Nicolas Noël

2:10pm “NHP studies to understand and target HIV persistence”
Mirko Paiardini (Emory University School of Medicine, USA)

2:35pm “Priming of functionally optimal CD8+ T cells in HIV infection”
Victor Appay (ImmunoConcEpT, Université de Bordeaux, France)

3:00pm “Immunomodulatory properties of dasatinib against the HIV reservoir”
Mayte Coiras (National Center of Microbiology, Instituto de Salud Carlos III, Spain)

3:25pm “HIV remission trials: answered and unanswered questions”
Lydie Trautmann (Henry M Jackson Foundation, USA)

3:50pm Short talk:
“Studying HIV-brain interplay using advanced *in vitro* models coupled to machine learning”
Raphael Gaudin (IRIM, CNRS, Univ Montpellier, France)

4:05pm - 4:35pm BREAK

Session 4 - Antibody-based immune therapies

Chairs : Jean-Pierre Routy and Mireia Pelegrin

4:35pm “Harnessing innate immunity in cancer therapy”
Eric Vivier (Aix-Marseille University, CIML, France)

5:00pm “Engineering antibody-based molecules for HIV treatment and cure”
Guido Ferrari (Duke University Medical Center, USA)

5:25pm Short talk:
“Intact proviruses are enriched in the colon and associated with PD-1+TIGIT- mucosal CD4+ T cells of people with HIV-1 on antiretroviral therapy”
Camille Vellas (INFINITY, Toulouse University, France)

5:40pm “bNAbs and immunotherapy in HIV curative strategies”
Ole Søgaard (Aarhus University, Denmark)

6:05pm “Influence of Anti PD-1 Immunotherapy on virological dynamic post ATI”
Jean-Pierre Routy (McGill University, Canada)

6:20pm Concluding remarks
Yazdan Yazdanpanah (ANRS | Maladies infectieuses émergentes)

6:30pm Cocktail “Pinard et camembert”

Scientific and organising committee

AC41-44:
Michaela Müller-Trutwin
Victor Appay
Anne-Sophie Beignon
Stéphane Emiliani
Florence Margottin-Goguet
Pierre Delobel

ANRS | Maladies infectieuses émergentes
Basic research department:
Cécile Peltekian
Guia Carrara
Djamila N'Gadjaga

Institut Pasteur:
Nathalie Alazard

Bienvenue au Centre de Conférences
Welcome to the Conference Center



Access to the campus must be made at 205 Rue de Vaugirard gate

Please bring your identity card/ passport with you, as it will be required to access the campus at the welcome desk.

A locker room will be available during the event where you could leave your coats or luggages.