



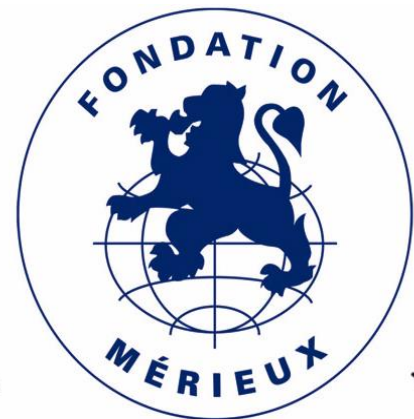
Cent Gardes Conference: HIV Vaccines

Organized by *Fondation Mérieux*
Les Pensières Center for Global Health
Veyrier du Lac - France

October 6th to 8th, 2017



des racines pour la vie • roots for life



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Scientific Programme

Friday, October 6th 2017

13h00-13h30	Registration	
13h30-14h00	Welcome addresses	<ul style="list-style-type: none"> • Jean-François Delfraissy • François Dabis • Roger Le-Grand • Giuseppe Pantaleo

Session 1

Regulation of induction of protective immune responses in natural infection and following vaccination

Chair: Andrew McMichael

14h00-14h25	Lessons from the analysis of the immune response to <i>P. falciparum</i>	Antonio Lanzavecchia
14h25-14h50	B cell activation induces a switch from canonical to non-canonical autophagy that shapes B cell fate	Facundo Batista

Session 2

Update on HIV prevention: what are we learning from the clinic (immune correlates, vaccine, other interventions (PrEP))

Chair: Robin Shattock

14h50-15h15	Cellular immune responses in HIV vaccine-mediated protection	Julie McElrath
15h15-15h40	Toward antibody effector functions as vaccine elicited protective immunity	Georgia Tomaras
15h40-16h05	We live in interesting times: HIV vaccines at the intersection	Larry Corey
16h05-16h30	Progress with PrEP and considerations for future HIV vaccine research	Sheena McCormack
16h30-16h55	Identification of novel targets for CD8+ T cell responses on HIV-infected cells	Persephone Borrow
16h55-17h20	<i>General discussion</i>	
19h00	<i>Dinner</i>	

Saturday, October 7th 2017
Role of antibodies in HIV prevention and therapy

8h30-9h15	Keynote lecture: B cell biology and germinal center formation	Michel Nussenzweig
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Session 3	Advances in the development of bNabs and non-bNabs (antigen design and preclinical models) Chairs: John Moore & Carolyn Williamson
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9h15-9h40	Non-human primate models of bnAb development	Anthony Moody
9h40-10h05	Germline-targeting vaccine design for HIV	William Schief
10h05-10h30	Native-like HIV-1 envelope trimers that activate germline precursors of broadly neutralizing antibody precursors in vivo	Rogier Sanders
<i>10h30-11h00</i>	<i>Coffee break</i>	
11h00-11h25	Structure-based elicitation of fusion peptide-directed antibodies that neutralize diverse strains of HIV	Peter Kwong
11h25-11h50	Structure-based design of improved antibodies against HIV	Pamela Bjorkman
11h50-12h15	Recapitulation of HIV-1 envelope-antibody coevolution in rhesus macaques leading to neutralization breadth	George Shaw
12h15-12h40	Improving 'on-target' B cell-expansion during vaccination	Leo Stamatatos
<i>12h40-14h00</i>	<i>Lunch</i>	

Session 4**Advances in the development of bNabs and non-bNabs
(antigen design and preclinical models)**

Chair: Susan Zolla-Pazner

14h00-14h25	HIV envelope trimer responses in immunization and infection	Dennis Burton
14h25-14h50	Host controls of glycan-targeted broadly neutralizing antibodies	Barton Haynes
14h50-15h15	HIV-1 envelope modifications that permit neutralization by germline and early intermediates of CD4bs broadly neutralizing antibodies	David Montefiori
15h15-15h40	Targeting productively and latently infected cells with antibodies	Olivier Schwartz
15h40-16h10	<i>General discussion</i>	
16h10-16h40	<i>Coffee break</i>	

Session 5**bNabs and non-bNabs in prevention and therapy**

Chair: Linqi Zhang

16h40-17h05	Clinical evaluation of anti-HIV broadly neutralizing antibodies	Marina Caskey
17h05-17h25	Antibody-mediated prevention of HIV-1 infection	John Mascola
17h25-17h45	Trispecific broadly neutralizing HIV antibodies mediate potent SHIV protection in macaques	Gary Nabel
17h45-18h10	Using anti-HIV 1 bNABs for treatment and prevention	Malcom Martin
18h10-18h35	Both neutralizing antibody and ADCC responses drive viral evolution following HIV-1 infection	Carolyn Williamson
18h35-19h00	<i>General discussion</i>	
19h00	<i>Dinner</i>	

Sunday, October 8th 2017

Mechanisms of transmission and mucosal immunity

Session 6

Mechanisms of transmission and mucosal immunity
Chair: Jake Estes

8h30-8h55	Intestinal B-cell responses to HIV-1 & antibody functions for mucosal protection	Hugo Mouquet
8h55-9h20	The impact of route of administration on DNA and protein vaccination	Robin Shattock
9h20-9h45	Early viral replication and dissemination dynamics following vaginal infection of a molecularly tagged SIV in rhesus macaques	Brandon F. Keele
9h45-10h15	<i>General discussion</i>	
10h15-10h45	<i>Coffee break</i>	

HIV functional cure

Session 7

HIV persistence and cell reservoir (molecular mechanisms, cell reservoir in blood and tissue cell populations)

Chairs: Olivier Lambotte and Jean-Daniel Lelièvre

10h45-11h10	Imaging and quantifying persistent HIV/SIV reservoirs	Jake Estes
11h10-11h35	Defining a potent new class of latency reversing agents devoid of toxicity and detrimental cell activation that enhance CTL/NK cell killing	Andrea Gramatica
11h35-12h00	Distribution of HIV reservoir in PD-1+ and CD32+ CD4 T cell populations	Giuseppe Pantaleo
12h00-13h30	<i>Lunch</i>	
13h30-13h55	Not provided	Monsef Benkirane
13h55-14h20	Can treatment of acute HIV infection overcome barriers to a functional cure?	Thumbi Ndungu
14h20-14h50	<i>General discussion</i>	

Session 8**Immune-based interventions**

Chair: François Dabis

14h50-15h15	Immune-based interventions for HIV cure: lessons from NHP models	Guido Silvestri
15h15-15h40	Insights into the development of the CD8+ T cell responses against HIV: from controllers to bone marrow transplantation	Asier Saez-Cirion
15h40-16h05	Therapeutic vaccines and immunological intervention in HIV infection: a paradigm change	Yves Levy
16h05-16h35	<i>General discussion</i>	
16h35-17h00	Conclusions	Roger Le-Grand Giuseppe Pantaleo
17h00	Closing remarks	