

# Humanized models to study immunity and to accelerate the development of new solutions for human health

Les Pensières  
Fondation Mérieux Conference Center  
Veyrier-du-Lac - France

26-28 April 2017

## Steering Committee:

- Jacques Banchereau
- Nicolas Burdin
- James Di Santo
- Markus Manz
- Jacques Louis
- Valentina Picot
  
- Cindy Grasso, Meeting Coordinator

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# Scientific programme

## Wednesday 26th April 2017

17:30 - 18:30	Registration	
18:30 - 19:00	Welcome address	Fondation Mérieux Nicolas Burdin
19h00	Welcome dinner	

## Thursday 27th April 2017

### Session 1

#### New development for the construction of humanized mice

Chair: Jim Di Santo

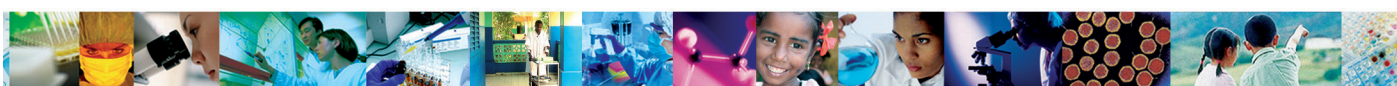
8:30 - 8:50	Generation of improved humanized mouse models for human infectious diseases	Lenny Shultz
8:50 - 9:10	Discussion	
9:10 - 9:30	Humanized mice to study human hematopoietic stem cells differentiation	Claudia Waskow
9:30 - 9:50	Discussion	
9:50 - 10:10	Next generation humanized mouse models for normal and malignant hematopoiesis	Alexandre Theocharides
10:10 - 10:30	Discussion	
10:30 - 11:00	Coffee break	
11:00 - 11:40	Key-note address: Genetic engineering of human hematopoiesis and its preclinical modeling in hematochimeric mice	Luigi Naldini
11:40 - 11:55	Discussion	

### Session 2

#### Humanized mouse models for the study of the physiopathology of infectious diseases

Chair: Nicolas Burdin & Jacques Louis

11:55 - 12:15	In vivo platforms for analysis of HIV persistence and eradication	Victor Garcia
12:15 - 12:35	Discussion	
12:35 - 14:00	Lunch	



# Scientific programme

14:00 - 14:20	Humanized mice to study the role of lymphocyte trafficking in HIV dissemination	Maud Deruaz
14:20 - 14:40	Discussion	
14:40 - 15:00	Modeling human liver development, chronic hepatitis virus infection, immunopathogenesis and therapy in mice	Lishan Su
15:00 - 15:20	Discussion	
15:20 - 15:50	Coffee break	
15:50 - 16:10	Animal models of human oncogenic gamma-herpesvirus infection	Christian Münz
16:10 - 16:30	Discussion	
16:30 - 16:50	Humanized mouse models of Filovirus infection and disease	Joseph Prescott
16:50 - 17:10	Discussion	
17:10 - 17:30	Application of humanized mice models in exploring novel therapy strategies against human diseases	Jian Zheng
17:30 - 17:50	Discussion	
19:00	Dinner	

Friday 28th April 2017

## Session 3a)

Humanized mouse models for the study of cancers development and therapy (personalized medicine).

Tumors of the hemopoietic origin.

Chair: Alexandre Theocharides

8:30 - 8:50	The use of the AML xenograft model to translate leukemia stem cell biology to the clinic	Jean Wang
8:50 - 9:10	Discussion	
9:10 - 9:30	Humanized models to study myeloid malignancies	Dominique Bonnet
9:30 - 9:50	Discussion	
9:50 - 10:10	A leukemia xenograft model that is representative of de novo drug resistant and very high risk ALL in NOD/SCID/gamma null mice	Jean-Pierre Bourquin
10:10 - 10:20	Discussion	
10:20 - 10:45	Coffee Break	



# Scientific programme

## Session 3b)

Humanized mouse models for the study of cancers development and therapy (personalized medicine).

### Solid Tumors

Chair: Nicolas Burdin

10:45 - 11:05	Evaluation of cancer immunity in cancer mouse models	Jacques Banchereau
11:05 - 11:25	Discussion	

## Session 4

Humanized mice models for the study of the human immune-induced diseases in humans

Chair: Jacques Banchereau

11:25 - 11:45	A humanized mouse model to study atopic dermatitis	Jim Di Santo
11:45 - 12:05	Discussion	
12:15 - 14:00	Lunch	
14:00 - 14:20	A humanized mouse model to study insulin-specific tolerance and islet autoimmunity	Carolin Daniel
14:20 - 14:40	Discussion	
14:40 - 15:00	Concluding remarks and general discussion	Members of the Steering Committee

