



Rational Design of HIV Vaccines and Microbicides

21-22 November 07

Novartis, Via Fiorentina 1, 53100 Siena, Italy

FINAL PROGRAMME

Wednesday 21st November 07

8.30 – 9.00 Registration

Chairs – Rino Rappuoli and Hans Wigzell

- 9.00 **Rino Rappuoli** Welcome from Novartis
9.10 **Manuel Romaris** Welcome from EC
9.20 **Hanz Wigzell** Introduction to EUROPRIME goals and advances
9.40 **Bonnie Mathieson** Concepts and Issues from the Mucosal Immunity and HIV/AIDS Vaccines Meeting at Veyrier-du-Lac, France; October 28-30, 2007

10.10 Coffee and access to posters

Session 1: Discovery Platform

- 10.40 **Barbara Ensoli**
The AIDS Vaccine Integrated Project (AVIP)
11.00 **Thomas Lehner**
Mechanisms of HIV infection in mucosal immunity
11.20 **Anna-Lena Spetz**
Therapeutic apoptotic-cell vaccine for chronic HIV-1 infection
11.40 **Oliver Hartley**
Chemokine-based microbicides: recent progress
12.00 **Britta Wahren**
Concepts for integrating HIV microbicide and vaccine

12.20 Lunch and access to posters

Chairs – Donata Medaglini and Charles Kelly

- 13.30 **Paolo Monini**
A new Tat/Env HIV entry complex as a novel HIV vaccine candidate
13.45 **Edward Karamov**
Russian Vaccine/Microbicide Program
14.00 **Charlotte Primard**
Uptake of biodegradable vaccine vehicle made of nanoparticles of poly(lactic acid) by intestine mucosa
14.15 **Heribert Quendler**
Development of a new vaccine against HIV: virosomes incorporating HIV proteins

14.30 **Donata Medaglini**
Primary activation of CD4+ and CD8+ T-cells following mucosal vaccination

14.45 Coffee and access to posters

15.30 **William Paxton**
Bile-salt stimulated lipase (BSSL) binds DC-DIGN and blocks HIV-1 transfer to CD4 cells

15.45 **Pepe Alcami**
Application of HIV-1- based recombinant virus system to the study of factors of virulence in HIV infection and screening of new antivirals

16.00 **Stefano Vella**
NEAT Network of Excellence

16.15 **Natasha Polyanskaya**
Scientific and Administrative management of EUROPRISE project

16.30 Discussions

17.00 Round Table discussions: "Recent lessons from Merck clinical trials"

19.00 Conference Dinner

Thursday 22nd November 07

8.00 Steering Committee meeting

Poster session

(Includes coffee)

Session Leads – Donata Medaglini and Anna-Lena Spetz

9.30 – 10.30 **All poster presenters**

Session 2: Standardisation Platform

Chairs – Gerald Voss and Frances Gotch

10.30 **Gabriella Scarlatti**
Inter-laboratory comparison of PBMC-based neutralization assays: EUROPRISE and NEUTNET results

10.45 **Eva Maria Fenyo**
Comparative studies of HIV-1, HIV-2 and SIV envelopes: neutralization sensitivity, CD4-independence and use of CCR5/CXCR4 chimeric receptors

11.00 **Evelin Bunnik**
Autologous neutralizing humoral immunity and evolution of Env in the course of subtype B HIV-1 infection

11.15 **Donato Zipeto**
Fusion complexes as immunogens for the induction of broad spectrum neutralizing antibodies against HIV-1

11.30 **Richard Stebbings**
Lyophilised cell standards for harmonisation of assays that measure cell mediated immune responses

- 11.45 **Kopek Nihlmark**
Fluorospot - a sensitive and robust assay for the detection of dual cytokine secretion at the single cell level
- 12.00 **Lilian Walther Jallow**
Induction of maturation and reduced HIV-1 infection in dendritic cells after exposure to apoptotic activated T cells
- 12.15 **Guido Poli**
Pro-Inflammatory and Chemotactic factors in the development of microbicides

12.30 Lunch

Chairs – Neil Almond and Robin Shattock

- 13.30 **Christiane Stahl-Hennig**
Place, pace and face of cellular vaccine-induced immune responses in the SIV/maaque model
- 13.45 **Martin Cranage**
Pre-exposure prophylaxis in macaques against rectal SIV challenge by mucosally-applied PMPA: potential for complementation of microbicide and vaccination strategies
- 14.00 **Steve Norley**
Apparent lack of CTL-escape mutation in HIV-regulatory genes during early infection
- 14.15 **Jonathan Heaney**
Immune correlates of HIV/SIV vaccine protection in macaques

Session 3: Development, Training, Dissemination and Advocacy

- 14.30 **Eftyhia Vardas**
Prevention Trial Capacity in Southern Africa
- 14.45 **Rebekah Webb**
Advocating for microbicides: how scientists and the community are joining forces to make microbicides a reality

15.00 Coffee and access to posters

- 15.30 **PhD School students and Britta Wahren**
Summary of training and PhD school
- 16.00 **Donata Medaglini & Anna-Lena Spetz**
Overview of posters
- 16.15 Discussions
- 17.00 Closure