



Rational Design of HIV Vaccines and Microbicides

10-12 June 2007

The Nobel Forum, Karolinska Institute, Stockholm, Sweden

FINAL PROGRAMME

Sunday June 10th

16.00 – 17.30 **Registration** – lobby of the [Elite Palace Hotel](#) (St Eriksgatan 115)

18.00 – 20.00 Stockholm [City Hall](#) Reception (Östbergs plan 1, close to Tegelbacken Underground station)

Monday June 11th

8.00 **Registration** – [The Nobel Forum](#) (Karolinska Institute, Solnavägen 1)

All plenary sessions take place at the Nobel Forum Lecture Hall

Session 1 *Chair – Hans Wigzell*

8.30 **Introduction**
Hans Wigzell

8.40 **Vaccines overview of ongoing studies (WP3)**

8.40 Gaps in vaccine development
Rino Rappuoli, Novartis Vaccines and Diagnostics, Italy

9.00 The “AIDS vaccine integrated project” (AVIP) and HIVIS Projects
Britta Wahren, Karolinska Institute, Sweden

9.20 The “Mucosal vaccines for poverty-related diseases“ (MUVAPRED) project
Donata Medaglini, Rino Rappuoli, University of Siena, Novartis Vaccines and Diagnostics, Italy

9.30 The “Vaginal vaccination against HIV” Gates Foundation and Wellcome Trust Project
Robin Shattock, St George’s University of London, UK

9.40 Recombinant alphavirus replicon particle and adjuvanted protein-based vaccine approaches against HIV.
Susan Barnett, Novartis Vaccines and Diagnostics Inc., USA

10.00 Coffee and access to electronic posters

10.30 Microbicides overview of ongoing studies (WP4)

10.30 The European Microbicides Project (EMPRO)
Charles Kelly, King's College London, UK

10.50 The SHIVA Project
Paolo LaColla, University of Cagliari, Italy

11.10 Highly potent, fully recombinant RANTES analogues: candidates for development as microbicides.
Oliver Hartley, University of Geneva / Mintaka Foundation, Switzerland

11.30 Europrise: Integrating HIV vaccines and microbicides (WP6)

Robin Shattock, St George's University of London, UK

12.00 Lunch and access to electronic posters

13.00 Break-out of individual Work Packages (parallel sessions)

	Location	Lead	Presenters (if any)
WP 1.1	SMI, "Serum"	Gabriella Scarlati	<ul style="list-style-type: none"> • Gabriella Scarlati: Overview of the activities and presentation of the participants. • Discussions on what are the intentions of partners • Eva Maria Fenyo: Plaque reduction assays for HIV neutralisation • Steve Norley: Sensitive and high-throughput measurement of HIV/SIV-specific neutralising antibodies • Helen Donners: Preparation of PBMCs for neutralisation assays. • Discussion on future activities and collaborations
WP 1.2	SMI, "Virum"	Frances Gotch	<ul style="list-style-type: none"> • Discussions on what are the intentions of partners • Identify future activities
WP 1.3	SMI, Lektionssal	Neil Almond	<ul style="list-style-type: none"> • Informal presentations on different perspectives with the goal of highlighting the value and limitations of non human primate models. • The group intend to seek consensus on the roles that these models may play in facilitating the development of effective vaccines and microbicides against HIV/AIDS. • The goal is to prepare a report summarising the activities of the sessions and highlighting our conclusions on how these expensive models may be used most effectively. • In particular, we hope to identify practical methods that will enable data generated from studies using these models by different groups at different times to be evaluated and compared. • Discussion on future activities and collaborations
WP 1.4	SMI, "Virum"	Guido Poli	<ul style="list-style-type: none"> • Discussions on what are the intentions of partners • Discussion on future activities and collaborations
WP 3 & 5	The Nobel Forum, Lecture Hall	Rino Rappuoli & Donata Medaglini	<ul style="list-style-type: none"> • Rino Rappuoli: Overview of the activities and presentation of the participants • Klaus Uberla: Atramauc oral spray immunization with replication-deficient viral vectors: immunogenicity and efficacy in the simian immunodeficiency virus macaque model • Heribert Quendler: Development of a new vaccine against HIV: virosomes incorporating HIV proteins • Anna-Lena Spetz: Cellular and humoral responses induced in mice after immunization with apoptotic HIV-1/Murine

			<p>Leukemia virus infected cells</p> <ul style="list-style-type: none"> • Giuseppe Scala: Identification and functional analysis of HIV-specific immunogenic epitopes • Discussion on future activities and collaborations
WP 4 & 6	The Nobel Forum, Seminar room 1	Charles Kelly & Robin Shattock	<ul style="list-style-type: none"> • Charles Kelly: Overview of the activities and presentation of the participants • Anna Forsman: Neutralising llama antibody fragments as HIV-1 entry inhibitors and tools for HIV-1 vaccine design • Jose Alcami: Application of a new HIV-1- based recombinant virus system to the screening of new antivirals and the assessment of humoral responses to vaccine prototypes. • Frank Wegmann: A combined antigen-microbicide immunization strategy for eliciting mucosal antibody responses to HIV-1 Env • Edward Karamov: Russian HIV-1 Epidemic: Clinical Trials of the first Candidate Vaccine VICHREPOL and Microbicide Development • Discussion on future activities and collaborations
WP 7	SMI, "Sam 1"	Sheena McCormack, Vicky Jespers	<ul style="list-style-type: none"> • Discussions on what are the intentions of partners • Discussion on future activities and collaborations
WP 9	The Nobel Forum, Seminar room 2	Gerald Voss	<ul style="list-style-type: none"> • Discussion on future activities and collaborations • <i>Meeting with EATG – by invitation only</i>

14.30 Coffee and access to electronic posters

Session 2 *Chair – Rino Rappuoli*

15.00 Mechanism of infection and mucosal immunity WP5

15.00 Innate immunity and HIV mucosal Infection.
Guido Poli, FCSR, Milan, Italy

15.20 B cell responses during HIV-1 Infection: serologic memory and B cell homing.
Anna Nilsson, Francesca Chiodi, Karolinska Institute, Stockholm, Sweden

15.40 Nasal-associated lymphoid tissue as an inductive site of mucosal immune responses.
Donata Medaglini, University of Siena, Italy

16.00 Translational clinical activities WP 7

Sheena McCormack

16.15 Discussions

17.00 – Steering Committee meeting ([The Nobel Forum, Seminar room 1](#))

19.00 Conference Dinner - [VASA ship museum](#) (*Galärvarvsvägen 14*)

Session 3 *Chair – Gerald Voss*

8.30 Humoral immunity WP1.1

8.30 Summary of Neutnet's activities: results and recommendations.
Gabriella Scarlatti, FCSR, Milan, Italy

8.40 Susceptibility of Recently Transmitted Subtype B HIV-1 Variants to Broadly Neutralizing Antibodies
Hanneke Schuitemaker, Sanquin Research, The Netherlands

8.50 Dissecting the neutralizing antibody specificities of broadly neutralizing sera from HIV-1 infected donors
Helen Donners, ITM, Antwerp, Belgium

9.00 Control of HIV replication by antibodies using primary cells as HIV targets.
Christiane Moog, ULP, Strasbourg, France

9.15 Cell-mediated immunity WP 1.2

9.15 Stabilised freeze-dried reference cell standards for intracellular staining and measurements of cell mediated immune responses.
Richard Stebbings, NIBSC, Potters Bar, UK

9.30 Skin Dendritic Cells as vaccine targets.
Steve Patterson, Imperial College, London, UK

9.45 Cellular Immune correlates of vaccines.
Jon Heeney, BPRC, The Netherlands; Cambridge University, UK

10.00 Coffee and access to electronic posters

11.00 Animal Models WP1.3
Neil Almond, NIBSC, Potters Bar, UK

11.30 Biomarkers and standardization WP 1.4
Guido Poli, FCSR, Milan, Italy

11.45 Reagents and standardization WP2
Harvey Holmes, NIBSC, Potters Bar, UK

12.00 Lunch and access to electronic posters

13.00 Break-out for various Work Packages interactions – search for synergy

13.00 Break-out for Standardisation Platform Work Packages (1.1, 1.2, 1.3, 1.4 and 2)
[The Nobel Forum Lecture Hall](#)
Lead – Hans Wigzell

13.00 Meeting of WP7 with EATG – by invitation only (*[The Nobel Forum, Seminar room 1](#)*)

13.45 Break-out for Discovery Platform Work Packages (3, 4, 5 and 6)
The Nobel Forum Lecture Hall
Lead – Robin Shattock

14.30 Coffee and access to electronic posters

Session 4 *Chair – Robin Shattock*

15.00 Training program (WP 8)

15.00 Workshop agenda and PhD students and projects
Britta Wahren, Anna-Lena Spetz and Francesca Chiody, Karolinska Institute, Sweden

15.15 Ongoing international trials (AVIP, EDCTP, IVI) suitable for EUROPRISE collaboration and teaching
M Liu, Karolinska Institute, Sweden

15.30 Dissemination and advocacy WP9

Gerald Voss, GSK, Belgium

15.45 Feedback from break-out sessions

16.15 Overview of electronic posters

Britta Wahren

16.30 Discussions

17.00 Closure

18.00 – 21.00 Evening buffet at Britta's Home

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Transport directions anywhere in Sweden: phone +46 118 118, they will tell you bus, metro etc.

Useful addresses:

1. Elite Palace Hotel, Sankt Eriksgatan 115, phone +46856621700
2. City Hall, Östbergs plan 1
3. Vasa museum, Galärvarvsvägen 14
4. Nobel Forum, Solnavägen 1
5. Britta Wahren home, Frithiofsvägen 10, 182 54 Djursholm, phone +4687558642 (15 minutes by taxi)

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