



Programme outline

6th International Symposium on Measurement & Kinetics of In Vivo Drug Effects Noordwijkerhout, April 21 – 24, 2010

Wednesday April 21

16:00 – 19:00 **Registration**

18:00 – 20:00 **Reception**

Thursday April 22

08:30 – 08:40 **Welcome and opening**
Douwe Breimer

08:40 – 09:10 **General introduction**
Don Stanski

Session 1 **Targets in PKPD**

Chairmen: Douwe Breimer
France Mentré

09:10 – 09:50 **Quantitative Systems Pharmacology - What are the targets?**
Meindert Danhof

09:50 – 10:30 **Target Concentration Intervention - Can we hit the targets?**
Nick Holford

10:30 – 11:00 **Break**

Session 2 **Target “Biology”**

Chairmen: Don Stanski
Yusuke Tanigawara

11:00 – 11:40 **Selecting Novel Drug Targets - Systems Biology**
David de Graaf

11:40 – 12:10 **Bridging Systems Biology and PKPD – Towards Novel Drugs**
Piet Van der Graaf

12:10 – 12:40 **Systems Biology and PKPD – Calcium Homeostasis and Bone Remodeling**
Marc Peterson

12:45 – 13:45 **Lunch**

Chairmen: Leon Aarons
Hans Schaefer

14:15 – 14:45 **Systems Biology and PKPD – Vaccines**
Paolo Vicini

14:45 – 15:15 **Systems Biology and PKPD – Menstrual Cycle**
Peter Deuflhard



15:15 – 15:45 **Systems Biology and PKPD Target Mediated Drug Disposition in Rheumatoid Arthritis**

Jean Eric Cheroin

15:45 – 16:15 **Systems Biology and PKPD – Predicting Drug Safety**

Anna Georgieva

16:30 – 19:00 **Poster session + poster discussions**

19:00 – 21:00 **Drinks, dinner buffet + informal discussions**

Friday April 23

Session 3

Chairmen:

Target “Species”

Malcolm Rowland

Sandy Allerheiligen

08:30 – 09:00

Can non-human species help in drug development for sick patients?

Johan Gabrielsson

09:00 – 09:30

Can healthy volunteers help in drug development for sick patients?

Paul Rolan

09:30 – 10:15

Exposure as the basis for bridging between children and adults?

Pravin Jadhav and Efthymios Manolis

10:15 – 10:45

Break

Session 4

Chairmen:

Target “Biomarkers”

Yuichi Sugiyama

Phil Lowe

10:45 – 11:15

Target occupancy biomarkers - schizophrenia

Rik de Greef

11:15 – 11:45

Concentration biomarkers - transplant immune suppression

Harald Kropshofer

11:45 – 12:15

Response biomarkers - anti-thrombotics

Steven Duffull

12:30 – 13:30

Lunch

14:00 – 14:30

Safety biomarkers - QT interval prolongation

Christine Garnett

14:30 – 15:00

PKPD of biologics: separating drug from system properties

Jo Balthasar



<u>Session 5</u>	Target “Dosing Schedules”
Chairmen:	Peter Milligan Geoff Tucker
15:00 – 15:40	General principles Philippe Jacqmin
15:40 – 16:10	Break
16:10 – 16:40	Antibiotics/antivirals Juergen Bulitta
16:40 – 17:10	Erythropoetic agents Dominik Uehlinger
17:30 – 23:00	Symposium Dinner “Madurodam by Night”

Saturday April 24

<u>Session 6</u>	Target “Clinical Outcomes”
Chairmen:	Roeline Jochemsen John Urquhart
8:30 – 9:00	Slowing Disease Progress –Tumor response Pascal Girard
9:00 – 09:30	Delaying Time to Event – Parkinson’s disease Thuy Vu
09:30 – 10:00	Curing disease - Opening the black box: PKPD of sterilizing activity in tuberculosis Gerry Davies
10:00 – 10:30	Break

<u>Session 7</u>	Target “Public Health”
Chairmen:	Carl Peck Richard Lalonde
10:30 – 11:00	Demonstrating Comparative effectiveness Jaap Mandema
11:00 – 11:30	PKPD and pharmaco-economics: AIDS Rory Leisegang
11:30 – 12:00	PKPD and benefit to society: Malaria Nicholas J. White



Session – 8

Conclusions and perspectives

Chairman:

Meindert Danhof

12:00 – 12:45

PKPD 1990 – 2010: making an impact

Mats Karlsson

12:45 – 13:00

Closure

13:00 – 14:30

Farewell Lunch