

1st EUFEPS Conference on Optimising Drug Delivery and Formulation:
New Challenges in Drug Delivery

Final Programme

Monday, September 29, 2003

09:00 Welcome, Introduction and Opening Remarks

Dominique Duchêne, President of
EUFEPS, Paris FR
Elias Fattal, President of APGI
Châtenay-Malabry FR

**Session I: Molecular and cellular targets
09:30-12:00 and applications to drug
delivery**

Moderators: Daan J.A. Crommelin, Utrecht NL
Örn Almarsson, Lexington MA
USA

09:30 Understanding the molecular
targets for drug metabolism
Daniel Mansuy, Paris FR

10:00 Integrating pharmacokinetics,
pharmacodynamics and clinical
efficacy endpoints towards directly
formulating controlled release
dosage forms: Examples from
neuropharmacological drugs
Raman Baweja, Rockville MD USA

10:30 Coffee/Tea

11:00 Identification of molecular targets
for anticancer drugs
Fabien Calvo, Paris FR

11:30 Atherosclerosis as a target for drug delivery
Theo van Berkel, Leiden NL

12:00 Posters – Exhibits

12:30 Lunch

**Session II: Physical and biological
13:30-15:00 barriers to drug delivery**

Moderators: Elias Fattal, Châtenay-Malabry FR
Theo van Berkel, Leiden NL

13:30 Accelerating the pharmaceutical
development of poorly water soluble
compounds

Peter van Hoogevest, Muttentz CH

14:00 Epithelial transport as a barrier to
drug delivery

Per Artursson, Uppsala SE

14:30 Transporter-mediated delivery of
drugs via blood brain barrier and
blood CSF barrier

Yuichi Sugiyama, Tokyo JP

15:00-15:30 Coffee/Tea

**Session III: Drug delivery I
15:30-17:30 (Nanotechnologies)**

Moderators: Paolo Colombo, Parma IT
Michel Veillard, Antony FR

15:30 Lipid based drug delivery systems
in the 21st century

Daan J.A. Crommelin, Utrecht NL

16:00 Will artificial transfer systems
outpace viruses for gene therapy?

Ernst Wagner, Munich DE

16:30 Interfering with the gene expression:
To deliver or not?

Elias Fattal, Châtenay-Malabry FR

17:00 Polymer-based nanotechnologies
for drug delivery: From where are
we coming and where are we going
in the 21st century?

Patrick Couvreur, Châtenay-Malabry FR

Breakout Sessions I and II

17:30-19:30

**Breakout Session I: How molecular
modelling can help drug delivery**

Moderators: Jacques Poupaert, Brussels BE
Michel Ollivon, Châtenay-Malabry
FR

**Breakout Session II: Ideal biological
targets for drug targeting**

Moderators: Yuichi Sugiyama, Tokyo JP
Jindrich Kopecek, Salt Lake City
UT USA

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Tuesday, September 30, 2003

Session IV: Drug delivery II (Molecular delivery)
09:00-10:30

Moderators: Ruth Duncan, Cardiff UK
Richard H. Guy, Geneva CH

09:00 *In vivo* protein transduction: Reconstitution of tumor suppressor function

Steven F. Dowdy, San Diego CA USA

09:30 Smart conjugates for drug delivery

Jindrich Kopecek, Salt Lake City UT USA

10:00 Future directions in antibodies mediated delivery

Jacques Barbet, Nantes FR

10:30 Coffee/Tea

Session V: Controlled drug delivery
11:00-12:00

Moderators: Thomas Kissel, Marburg DE
Dominique Duchêne, Paris FR

11:00 Closing the loop: Non-invasive drug delivery and clinical chemistry via the skin

Richard H. Guy, Geneva CH

11:30 Multi-function oral drug delivery platform

Paolo Colombo, Parma IT

12:00 Posters – Exhibits

12:30 Lunch

Session VI: Physical and chemical approaches for drug delivery
13:30-16:30

Moderators: Véronique Rosilio, Châtenay-Malabry FR
Alberto A. Gabizon, Jerusalem IL

13:30 Modelling drug delivery

Jacques H. Poupaert, Brussels BE

14:00 Physical chemistry of colloids

Bernard Cabane, Paris FR

14:30 Modified polyesters based on PLGA and PLVAL for parenteral and mucosal protein delivery

Thomas Kissel, Marburg DE

15:00 Coffee/Tea

15:30 Amphiphiles and drug delivery:

Opportunities and limitations
Yechezkel Barenholz, Jerusalem IL

16:00 Application of high-throughput technologies to drug substance and formulation development

Örn Almarsson, Lexington MA USA

Breakout Sessions III, IV and V

16:30-18:30

Breakout Session III: Toxicological aspects for drug delivery and targeting

Moderators: Patrick Couvreur, Châtenay-Malabry FR
Gregory Lambert, Evry FR

Breakout Session IV: Pharmacogenomics as a tool for drug delivery

Moderators: Per Artursson, Uppsala SE
Bill Dawson, Hampshire UK

Breakout Session V: EU 6th Framework Programme: Technological platforms and other instruments for development of new safe medicines faster

Moderators: Fergal Donnelly, Brussels BE
Ole J. Bjerrum, Copenhagen DK

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Final Programme

Wednesday, October 1, 2003

**Session VII: Clinical, toxicological and
09:00-12:30 regulatory issues in drug
delivery**

Moderators: Yechezkel Barenholz, Jerusalem IL
Hendrik de Jong, Courbevoie FR

09:00 The development of new polymer
excipients
Ronald F.M. Lange, Ludwigshafen/Rhein
DE

09:30 Polymer-drug and polymer-protein
conjugates as anticancer agents
Ruth Duncan, Cardiff UK

10:00 Stealth liposomes and cancer targeting:
Implications for drug delivery
Alberto A. Gabizon, Jerusalem IL

10:30 Coffee/Tea

11:00 Regulatory issues in drug delivery
Rogerio Gaspar, Coimbra PO

**Breakout Sessions Reports and
Conclusions**

11:30-13:00