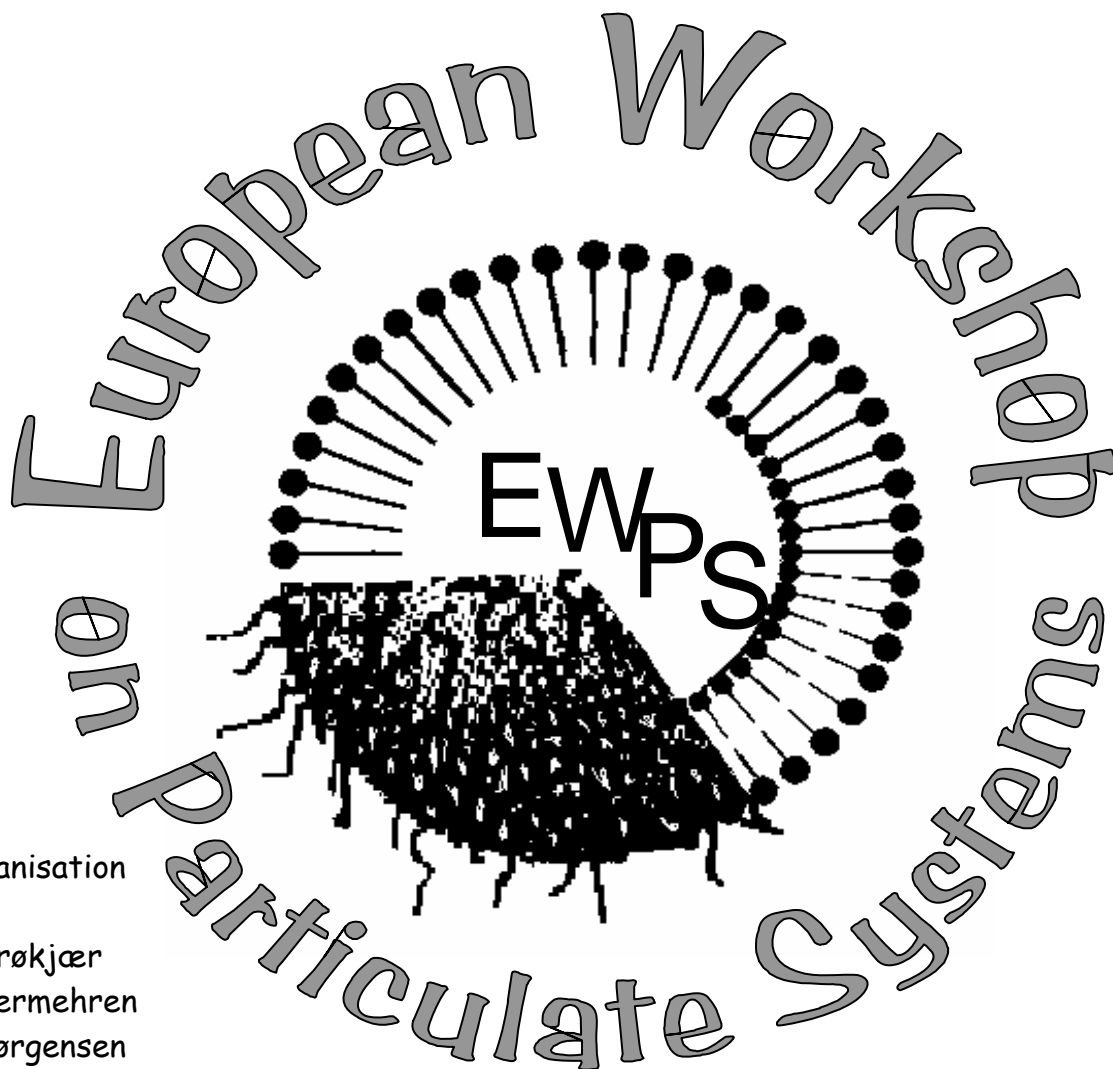


4th European Workshop on Particulate Systems
Copenhagen, May 30 - June 1, 2002



Organisation

S. Frøkjær
C. Vermehren
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The Royal Danish School of Pharmacy
Copenhagen, Denmark

Participating groups:

P. Couvreur	University of Paris, France
E. Fattal	University of Paris, France
A.T. Florence	University of London, England
R. Gurny	University of Geneva, Switzerland
R.H. Müller	University of Berlin, Germany
G. Storm	University of Utrecht, The Netherlands

Sponsored by The Graduate School of Drug Research,
The Royal Danish School of Pharmacy

4th European Workshop on Particulate Systems
Copenhagen, May 30 - June 1, 2002





Dear EWPS group leaders

We are pleased to inform you that the 4th European Workshop on Particulate Systems will be held in Copenhagen, May 30th till June 1st, 2002.

The meeting will be organised at The Royal Danish School of Pharmacy in the Benzon Auditorium. We have received funding to cover lunch, dinner and social event. We ask you to make your own hotel reservations.

A final program is enclosed. As you can see from the program there is 20 minutes for the presentation this includes time for a few questions. There is equipment available for computer-, overhead- and slide presentation.

We look forward to seeing you in Copenhagen at the EWPS2002.

Best,

Charlotte Vermehren
Sven Frøkjær
Lene Jørgensen



Program EWPS 2002

Thursday May 30th, 2002

15.30 - 16.15 Registration/coffee
16.15 - 16.30 Welcome
Prof. Dr. S. Frøkjær, The Royal Danish School of Pharmacy

Emulsions and niosomes

Session chairman: Prof. Dr. A.T. Florence, The School of Pharmacy, London.

16.30 - 16.50 Formulation factors in the design of oil in oil emulsions, V. Jaitely,
T. Sakthivel, A.T. Florence, The School of Pharmacy, London.

16.50 - 17.10 Plasma protein adsorption patterns on surfaces of Amphotericin B-
containing fat emulsions, S. Schmidt, R.H. Müller, Free University of
Berlin.

17.10 - 17.30 W/o emulsions as drug delivery system for proteins, L. Jørgensen,
S. Bjerregaard, C. Vermehren, S. Frøkjær, The Royal Danish School
of Pharmacy.

17.30 - 17.50 Characterization of non-ionic surfactant micro-tubules, B. Nasser,
A.T. Florence, The School of Pharmacy, London.

18.00 - 19.30 Dinner

19.30 - 20.30 Prof. Dr. David Needham, Duke University, North Carolina, USA.



Friday May 31st, 2002

Dendrimers

Session chairman: Prof. Dr. S. Frokjaer, The Royal Danish School of Pharmacy.

- 9.30 - 9.50 Small dendriplexes and their characterisation, C. Ramaswamy, T. Sakthivel, A.F. Wilderspin, A.T. Florence, The School of Pharmacy, London.
- 9.50 - 10.10 Adsorption of dendrons on polystyren nanoparticles, T. Sakthivel, A.T. Florence, The School of Pharmacy, London.
- 10.10 - 10.30 Oral adsorption and GIT behaviour of poly-L-lysine based dendrimers, N. Hussain, B. Singh, A.T. Florence, The School of Pharmacy, London.
- 10.30 - 11.00 Coffee break
- 11.00 - 11.20 Dendrisomes: Dendron-cholesterol vesicles, K.T. Al-Jamal, T. Sakthivel, A.T. Florence, The School of Pharmacy, London.
- 11.20 - 11.40 Diffusion studies of lipidic dendrons with cellulose membranes, G. Purohit, T. Sakthivel, A.T. Florence, The School of Pharmacy, London.
- 11.40 - 12.00 Coffee break

Liposomes

Session chairman: Prof. Dr. G. Storm, Utrecht of University

- 12.00 - 12.20 Liposomes as a tool to improve passive immunological protection against respiratory infections, C. Dreffier, F. Ramiisse, C. Dubernet, University of Paris-Sud.
- 12.20 - 12.40 In vitro and in vivo aspects of N-acyl-phosphatidylcholine containing liposomes, C. Vermehren, H.S. Hansen, J. Nowak, A. Enggård, S. Frokjaer, The Royal Danish School of Pharmacy.
- 12.40 - 13.00 Ligand-targeted liposomes directed against tumor vasculature, A. Janssen, G. Molema, T.L.M. ten Hagen, A.P.C.A. Janssen, A.J. Schraa, R.J. Kok, G.A. Koning, G. Storm, Utrecht of University.
- 13.00 - 14.00 Lunch



- 14.00 - 14.20 Joint targeting with glucocorticoid-PEG-liposomes induces long-lasting resolution of arthritis, J.M. Metselaar, M.H.M. Wauben, O.C. Boerman, P.L. van Lent, G. Storm, Utrecht of University.
- 14.20 - 14.40 Vectorised transport through the blood-brain barrier using a new approach: targeted delivery of anti-transferrin receptor antibody-coated, degradable liposomes to brain capillary endothelial cells, T. Moos, T. Peitersen, C. Vermehren, G. Storm, S. Frokjaer, University of Copenhagen.
- 14.40 - 15.00 In vitro interaction of meningococcal pore protein A (PorA)-containing liposomes with murine and human dendritic cells, C. Arigita, C. Foged, G. Kersten, W.E. Hennink, D.J.A. Crommelin, W. Jiskoot, Utrecht of University.
- 15.00 - 15.20 Coffee break
- 15.20 - 15.40 Capacity of methylated β -cyclodextrin to solubilize liposomes, L. Boulmedarat, A. Bochot, C. Ringard, S. Lesieur, E. Fattal, University of Paris-Sud.
- 15.40 - 16.00 Colloidal systems in ophtalmology: 1/ Poly- ϵ -caprolactone nanospheres coated with bioadhesive hyaluronic acid for instillation 2/ Potential of sterically stabilized liposomes for delivering intravitreally an oligonucleotide, A. Bochot, R. Gref, S. Barbault-Foucher, E. Fattal, University of Paris-Sud.
- "Nanoparticles"
Session chairman: Dr. E. Fattal, University of Paris-Sud.
- 16.00 - 16.20 Cosmetic applications for solid lipid nanoparticles (SLN), S.A. Wissing, R.H. Müller, Free University of Berlin.
- 16.20 - 16.40 PLA-PEG nanoparticles: copolymerization, cell interaction studies and surface characterisation of particles, C. An Nguyen, G. Schwach, E. Allémann, T. Arvinte, E. Doelker, R. Gurny, University of Geneva.
- 16.40 - 17.00 Coffee break



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- 17.00 - 17.20 Opposite behaviour of calcitonin and lysozyme in a polymeric controlled release matrix, M. Van de Weert, The Royal Danish School of Pharmacy.
- 17.20 - 17.40 Pegylation of amphotericin B, P. Kanaujia, T. Sakthivel, A. Szekely, E.M. Johnson, A.T. Florence, The School of Pharmacy, London
- 17.40 - 18.00 Production and stability studies for Amphotericin B nanosuspensions as an oral and parenteral delivery system for Leishmania infections in vivo, O. Kayser, C.Olbrich, V. Yardley, A.F. Kiderlen, S.L. Croft, Free University of Berlin.
- 19.00 Dinner at Peter Liep Hus, Dyrehaven 8, Klampenborg. Chartered transport leaves The Royal Danish School of Pharmacy at 18.30.



Saturday June 1st, 2002

"Nanoparticles"

Session chairman: Dr. C. Dubernet, University of Paris-Sud.

- 9.30 - 9.50 Opposite behaviour of calcitonin and lysozyme in a polymeric controlled release matrix, M. Van de Weert, The Royal Danish School of Pharmacy.
- 9.50 - 10.10 Protein-loaded PLGA nanocapsules using the double emulsion method - optimization of processing parameters, U. Bilati, E. Allémann, E. Doelker, University of Geneva
- 10.10 - 10.30 New "stealth" core-shell nanoparticles using poly(ϵ -caprolactone)-dextran copolymers, C. Lemarchand, R. Gref, M. Appel, H. Chacun, D. Costantini, P. Couvreur, University of Paris-Sud.
- 10.30 - 10.50 Surface modification of thiolated poly(lactic acid) nanoparticles by attachment of NeutrAvidin™, L. Nobs, F. Buchegger, R. Gurny, E. Allémann, University of Geneva
- 10.50 - 11.10 Coffee break

Delivery of Genetic Material

Session chairman: Dr. R. Gurny, University of Geneva

- 11.10 - 11.30 Gene delivery with cationic, water-soluble polymethacrylates, A.M. Funhoff, C.F. van Nostrum, W.E. Hennink, Utrecht University.
- 11.30 - 11.50 Solid lipid nanospheres as DNA carriers, A. Vinter Heydenreich, A. Fomsgaard, H.G. Kristensen, The Royal Danish School of Pharmacy.
- 11.50 - 12.10 PLGA microparticles for the controlled release and an improved cellular penetration of polyethylenimine/oligonucleotide complexes, G. De Rosa, A. Bochot, F. Quaglia, H. Chacun, E. Fattal, University of Paris-Sud.
- 12.10 - 12.30 Graduate Research Training - perspectives.
Rector, Prof. Dr. P. Krogsgaard-Larsen, The Royal Danish School of Pharmacy.
- 12.30 - 13.30 Lunch/departure



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