

Aix Preliminary Programme 2010

3 Plenary (45 min)

10 Invited (30 min)

13 Oral communications selected from the abstracts. (20 min)

5 Technological communications (20 min)

5 Sessions

2 poster sessions will be organised:

Monday, 4 October, 2010

Themes:

Solid dosage forms (Buccal administration, Matrices/pellets, Tablets, Granulation) 48

Excipients 13

Biomaterials, bioengineering 10

Skin delivery 19

Hydrogels 7

Microparticles 11

Miscellaneous 8

Tuesday, 5 October, 2010

Themes:

Nanosystems: nanoparticles, micelles 53

Liposomes 20

Gene delivery 7

Emulsions 8

Ocular delivery 6

Prodrugs 8

Dissolution, bioavailability 21

(The number of posters in each session may change as we receive new abstracts each day)

Sunday, 3 October, 2010

14:00-18:00 Registration

18:00-19:00 Guided walk in Aix-en-Provence (included in the registration fee)

19:00-21:00 Welcome Reception at the City Hall ((included in the registration fee)

Monday, 4 October, 2010

08:00 – 09:00 Registration

Session 1.

Chairs: J. Siepmann/F. Alhaique

09:00 - 09:15 Welcome

09:15-10:00 Plenary Speaker 1. **B. Cabane** - *Micelles, microemulsions and emulsions as drug carriers: what are the boundaries according to thermodynamics?*

10:00-10:30 Invited speaker 1. **T. Rades** - *Modern spectroscopic techniques to characterise pharmaceutical solids*

10:30-10:50 Technical lecture 1. **SPI-Pharma- C. Prost** – *Excipient system for making durable tablets at low pressure*

10:50-11:30 Coffee Break/Posters and Exhibition

11:30-11:50 Oral communication 1. 150 - **L. A. Chiavacci** - *Controlled diclophenac delivery from Ureasil-PEO-PPO hybrid matrix*

11:50-12:10 Oral communication 2. 82 - **P. Matricardi** - *Polysaccharidic hydrogels for modified drug delivery*

12:10-12:40 Invited speaker 2. **J. Doucet** - *Novel opportunities offered by synchrotron light-based techniques for the design and evaluation of drug delivery systems*

12:40 -14:30 Lunch/Posters and Exhibition

Session 2

Chairs: M.T. Peracchia/A.R. Bilia

14:30-15:00 Invited speaker 3. **S. Nicoli** – *Transscleral delivery of macromolecules: the iontophoretic approach*

15:00-15:20 Oral Communication 3. 75 - **D. Pliszcak** - *Improvement of an encapsulation process for the preparation of probiotics-loaded bioadhesive particles by using experimental design*

15:20-15:40 Oral Communication 4. 39 - **J. Paulo Silva** - *Development of probiotic tablets: viability studies*

15:40-16:00 Oral Communication 5. 147 - **S. Simovic** - *Enhancing the oral delivery of lipophilic drugs using silica lipid hybrid (SLH) microcapsules*

16:00-16:30 Coffee Break/Posters and Exhibition

16:30-16:50 Technical lecture 2. **Ethypharm - G. Bastriat** - *Organogels, a new technology for the drug sustained delivery*

16:50-17:20 Invited Speaker 4. **K. Maeder** - *Noninvasive monitoring of drug delivery by MRI, ESR and Optical Imaging*

Tuesday, 5 October, 2010

Session 3

Chairs: E. Fattal/P. Colombo

09:00-09:45 Plenary Speaker 2. **C. Ventura** - *Hyaluronan Mixed Esters of Butyric and Retinoic Acids: Differentiating and Paracrine Logics for Regenerative Medicine and Cardiovascular Repair*

09:45-10:15 Invited speaker 5. **G. Ponchel** - *Characterization of molecular interactions as a tool for designing multifunctional nanoparticles for targeting applications*

10:15-10:35 Technical lecture 3. **Capsugel - E. Jule** - *A systematic and rational approach to lipid-based formulation development*

10:35-11:05 Coffee Break/Posters and Exhibition

11:05-11:25 Oral communication 6. 65 - **P. Lazzari** - *Non-ionic microemulsions containing new diazabicyclo opioid compounds with improved antinociceptive activity*

11:25-11:45 Oral communication 7. 86 - **R. Cavalli** - *Dextran multilayer microbubbles as ultrasound triggered doxorubicin carriers*

11:45-12:05 Oral communication 8. 104 - **P. Horcajada** - *Nanoparticles of porous iron carboxylates as new drug carriers*

12:05-12:35 Invited speaker 6. **A.R. Bilia** - *NMR analysis of aggregates and supramolecular complexes*

12:35 -14:30 Lunch/Posters and Exhibition

Session 4

Chairs: A. Gazzaniga/G. Ponchel

14:30-15:00 Invited speaker 7. **J. Irache** - *Poly(anhydride) nanoparticles for oral delivery of poorly available drugs*

15:00-15:20 Oral Communication 9. 238 - **S. Mura** - *Toxicological effects of lung exposition to biodegradable nanoparticles*

15:20-15:40 Oral Communication 10. 127 - **A. Müllertz** - *Characterization of precipitation and redissolution of a poorly water-soluble drug fenofibrate in SMEDDS during in vitro lipolysis*

15:40-16:00 Oral Communication 11. 185 - **O. Chambin** - *How the ionic strength of dissolution media can control the release of a drug encapsulated in iota carrageenan coatings*

16:00-16:30 Coffee Break/Posters and Exhibition

16:30-16:50 Technical lecture 4. **Gattefossé – V. Jannin** – *In vitro evaluation of supersaturation drug delivery systems*

16:50-17:20 Invited Speaker 8. **M. Fresta** - *Targeted colloidal lipid-based drug carriers*

20:15 - 23:30 Gala dinner (included in the registration fee)

Wednesday, 6 October, 2010

Session 5

Chairs: U. Conte/J. Irache

09:00-09:45 Plenary Speaker 3. **V. P. Torchilin** - *Some novel approaches to the delivery of DNA and siRNA*

09:45-10:15 Invited speaker 9. **M. Davies** - *Nanotechnology in drug delivery*

10:15-10:35 Grants and poster awards

10:35-11:05 Coffee Break/Posters and Exhibition

11:05-11:25 Oral communication 12. 80 - **M. Morpurgo** – *Evaluation of the in vivo fate and targeting potentials of avidin-nucleic-acid nano-assemblies*

11:25-11:45 Oral communication 13. 60 - **M. Simon** - *Tumour targeting with a fusion toxin derived from an EpCAM-specific designed ankyrin repeat protein using polymeric Nanoparticles*

11:45-12:15 Technical lecture 5. **SOTAX - S. Haddouchi** - *Existing and new drug release applications related to the USP Apparatus 4* (lecture to be confirmed)

12:15-12:45 Invited speaker 10. **C. Valery** - *Peptide self-assembly and formulation: the biomimetic approach*

12:45 Concluding remarks