

Program

Sunday June 27th, 2004: arrival

19:00-21:00 Welcome Reception (Residenza S. Ilario, Borgo Bosazza 13, Parma)

Monday June 28th, 2004

10:00 - 11:00 Opening Session

11:00 – 12:00 **Richard H. Guy** (Univ. of Geneva, CH)
Skin bioengineering: minimally invasive transdermal therapy and monitoring

Biopharmaceutics and Pharmacokinetics

14:00 - 15:00 **Carla Caramella** (Univ. of Pavia, I)
Modern bioavailability/bioequivalence studies and dissolution requirements

15:00 - 16:00 **Christos Reppas** (Univ. of Athens, GR)
The in vitro dissolution testing of drug candidates

16:30 - 17:30 **Paolo Colombo** (Univ. of Parma, I)
Mass transport phenomena in drug delivery control

Tuesday June 29th, 2004

Polymers

9:00 -10:00 **Paolo Caliceti** (Univ. of Padua, I)
Synthetic biodegradable polymers

10:00 – 11:00 **Franco Alhaique** (Univ. of Rome La Sapienza, I)
Polysaccharides and drug delivery

Oral delivery

11:30 – 12:30 **Christos Reppas** (Univ. of Athens, GR)
Gastrointestinal physiology on xenobiotic absorption

14:00 – 15:00 **Ruggero Bettini** (Univ. of Parma, I)
Swellable matrices as drug delivery systems

15:00 - 16:00 **Gary Martin** (Kings College of London, UK)
Mucoadhesive delivery

16:30 – 17:30 **Andrea Gazzaniga** (Univ. of Milan, I)
Colonic drug delivery

20:00 Social Dinner

Wednesday June 30th, 2004

9:00-10:00 **Majella Lane** (Trinity College Dublin, IRL)
In vitro and in vivo models for oral drug absorption

10:00-11:00 **Caitriona O'Driscoll** (Univ. College Cork, IRL)
Potential for lymphatic delivery of peptides

Colloidal vectors

11:30-12:30 **Christine Vauthier** (Univ. of Paris South, F)
Design of nanoparticles for biotech compounds

14:00 - 15:00 **Massimo Fresta** (Univ. of Catanzaro, I)
Liposomes

15:00 – 16:00 **Amélie Bochot** (Univ. of Paris South, F)
Liposomal delivery of oligonucleotides

16:30-17:30 **Véronique Pr eat** (Univ. Catholique Louvain, B)
Polymeric micelles

Thursday July 1st, 2004

Peptide/Protein Delivery

9:00-10:00 **Wim Jiskoot** (Univ. of Utrecht, NL)
Physico-chemical characterisation of proteins

10:00-11:00 **Majella Lane** (Trinity College Dublin, IRL)
Peptide and protein oral delivery

11:30-12:30 **Francesco Veronese** (Univ. of Padua, I)
Peptide, protein and non-peptide drugs delivery by polymer conjugation

14:00 – 15:00 **Maria J. Alonso** (Univ. of Santiago de Compostela, E)
Nanosystems as carriers for oral peptide delivery

Vaccines

15:00 - 16:00 **Wim Jiskoot** (Univ. of Utrecht, NL)
Liposomes and other lipid-based structures in vaccine development

16:30 – 17:30 **Maria J. Alonso** (Univ. of Santiago de Compostela, E)
Micro/nanoparticles as vaccine delivery vehicles

Friday July 2nd, 2004

9:30 - 17:30 **Student Symposium & Poster viewing**

11:30 – 12:30 **Alessandro Martini** (Nerviano Medical Science, Milan, I)
Working in pharmaceutical industries – what big and small pharma wants

Saturday July 3rd, 2004

9:30 - 11:00 **Student Symposium & Poster viewing**

11:00 - 12:00 **Sara Nicoli** (Univ. of Parma, I)
European Ph.D. in advanced drug delivery

Sunday July 4th, 2004

Free day

Monday July 5th, 2004

Oligonucleotide Delivery

9:00-10:30 **Elias Fattal** (Univ. of Paris South, F)
Biodegradable particles for the delivery of antisense oligonucleotides

11:00-12:00 **Thomas Kissel** (Philipps Univ. of Marburg, D)
Modified poly(ethylenimines) for DNA delivery

Gene Therapy

14:00 – 15:00 **Luigi Cattel** (Univ. of Turin, I)
The utility of pharmacokinetics in the development of antitumoral drugs: from technological results to clinical applications

15:00 - 16:00 **Sergio Simoes** (Univ. of Coimbra, P)
Cationic liposomes as non-viral vectors for gene therapy: from the mechanisms of intracellular gene delivery to clinical applications

16:30 – 17:30 **Thomas Kissel** (Philipps Univ. of Marburg, D)
Biodegradable graft polyesters based on PLGA and PVAL: a platform for nanotechnology ?

Tuesday July 6th, 2004

Non conventional routes of administration

9:00- 10:00 **Sara Nicoli** (Univ. of Parma, I)
Introduction to transdermal delivery

10:00-11:00 **Patrizia Santi** (Univ. of Parma, I)
Transdermal iontophoresis

11:30 - 12:30 **Maria J. Blanco-Prieto** (Univ. of Navarra, E)
Drug delivery to the central nervous system

14:00 - 15:00 **Andrea Chiesi** (Chiesi Farmaceutici, Parma, I)
Pulmonary delivery – Current trends and opportunities

15:00 - 16:00 **Ruggero Bettini** (Univ. of Parma, I)
Nasal delivery

16:00 Conclusive remarks and next course planning

Wednesday July 7th, 2004

10:00-13:00 Visit to Chiesi Farmaceutici S.p.A. plant (Via S. Leonardo 96, Parma)

Socrates Intensive Program

The Socrates Intensive Program focuses on the specific aspects of innovative therapeutics, including new molecules, new technologies and alternative administration routes. The program is coordinated by the University of Parma and involves 11 European Universities. The public of the course are primarily students and researchers coming from Universities participating to the network. The teachers are coming from the same Universities, plus invited well-known speakers.

This Socrates Network was centered on a program proposed by Prof. Francis Puisieux on Novel Delivery Systems. The present program is coordinated by the University of Parma and is focusing on the delivery of innovative molecules.

The official site of the program is:

<http://www.unipr.it/arpa/dipfarm/didatt/SocratesIP.htm>

The local organizer of 2004 Program is the University of Parma, Department of Pharmacy, through the Inter-university Consortium on Innovative Pharmaceutical Technologies "TEFARCO Innova", which groups 10 Italian Universities.

The official site of the Consortium is: <http://tefarco.unipr.it>

The event is supported by the Italian Chapter of the Controlled Release Society (<http://www.pharm.unito.it/itcrs/1page.html>) and by ADRITELF (<http://www.unipv.it/adritelj/>)

Location of the Course

The Course will take place at the University of Parma, Department of Pharmacy (Parco Area delle Scienze, 43100 Parma, Italy).

Parma

Parma, located in the North of Italy, is a city traditionally rated for its culture and art. The historic city centre has monuments like the Romanesque cathedral, frescoed by Correggio, and the octagonal baptistery sculpted by Benedetto Antelami. Parma is associated with important musicians such as Paganini, Verdi, Pizzetti and Toscanini.

Parma is the capital of the Italian food industry, world famous for its products and in particular for Prosciutto di Parma and Parmigiano Reggiano cheese.

How to reach Parma

Parma can be reached by plane (nearest airports are Parma, Milan and Bologna), by train or by car.

Please, see details at the following address:

<http://www.unipr.it/arpa/dipfarm/Parma2004.html>

Course fees

- **Members of the Socrates Network:** free of charge
- **Ph.D. Students and academic attendees:** the attendance is free of charge. Meals, social dinner and lodging are not included.

For registration, please contact:

Dr. Elena Vidale

Tefarco Innova c/o Dipartimento Farmaceutico

Via delle Scienze

43100 Parma, Italy

phone +39 0521 905 073

fax +39 0521 905 006

e-mail: tefarco@nemo.unipr.it

- **Industry attendees:** the fee is **300 Euro**, comprehensive of admission to scientific sessions, social dinner and abstract book. Meals and lodging are **not** included.

For registration, payment and billing, please contact:

Dr. Marialuisa Ghelfi

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Via delle Scienze

43100 Parma, Italy

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fax +39 0521 905 006

e-mail: marialuisa.ghelfi@unipr.it

Deadline for registration: May 31st, 2004

Scientific contributions

- **Members of the Socrates Network:** the students are requested to give an oral presentation in the Student Symposium. A two A4 pages abstract is required.
- **Ph.D. Students and academic attendees:** participants can present a poster in the Student Symposium. One A4 page abstract is required.

For further information, please contact:

Dr. Sara Nicoli

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Deadline for submission of abstracts: May 31st, 2004



Socrates Intensive Programme

29240-IC-1-2002-1-IT-ERASMUS-IPUC-1
1st Edition

Innovative therapeutics: from molecules to medicines

Classroom B
Faculty of Pharmacy
University of Parma, Italy
June 27 – July 7, 2004

PROGRAM

Organized by



Consorzio TEFARCO Innova



University of Parma

With the support of



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