



Università degli Studi di Pavia



Associazione Farmaceutici Industria  
Società Scientifica



50° Simposio AFI  
Rimini 9 - 10 - 11 Giugno 2010



## Scientific Committee

- **Prof. M.C. Bonferoni** University of Pavia
- **Prof. C. Caramella** University of Pavia
- **Dott. F. Carli** AFI
- **Prof. B. Conti** University of Pavia
- **Prof. G. Coppi** AFI
- **Prof. I. Genta** University of Pavia
- **Prof. F. Pattarino** University of Piemonte Orientale
- **Prof. P. Pennella** AFI
- **Prof. A. Rigamonti** AFI President



## Organizing Committee

- **Dott. M. Adami** AFI
- **Dott. G. Colombo** Italfarmaco, Milan
- **Prof. P. Giunchedi** University of Sassari
- **Dott. R. Mariani** Nerviano Medical Sciences, Milan
- **Dott. G. Zirulia** AFI

### Acknowledgements to:

Alfatest, ConsorzioTEFARCO-BioPharmaNet, GSK,  
Instrumentation Laboratory, Qitech, Valois, Pfeiffer.



## General Information

### Organizing Secretary NEW AURAMEETING S.r.l.

Via Rocca D'Anfo 7 – 20161 Milano  
Phone +39 0266203390 r.a. – fax +39 0266200418  
www.newaurameeting.it - E-mail: info@newaurameeting.it

### Prof. Bice Conti

Phone +39 0382 987378  
E-mail: bice.conti@unipv.it  
**Prof. M.C. Bonferoni**  
Phone +39 0382 987357  
E-mail: cbonferoni@unipv.it

### Registration fees

AFI members	250 € + 20% VAT
Industrial and academic participants	350 € + 20% VAT
Postgraduate students	30 € + 20% VAT
Undergraduate students	Free

### The fee includes:

- Three coffee breaks
- Workshop proceedings (to be made available after the workshop on AFI website)

### Registration:

registration should be performed by filling the enclosed form and sending it by fax or e-mail to NEW AURAMEETING by March 16th together with the receipt of the payment of the registration fee. Payment can be performed by:

- **Cheque to NEW AURAMEETING S.r.l.**
- **Bank transfer to NEW AURAMEETING S.r.l.**  
Banca Popolare di Milano Ag. 15  
IBAN: IT65 T 05584 01615 000000043206  
SWIFT: BPMIITM1015

Abstracts of submitted posters (one page A4, Times 12) should be sent by mail, by March 16th 2010 to:

bice.conti@unipv.it  
cbonferoni@unipv.it

GRAFFITI 0382.436327 - 111662/10



Associazione Farmaceutici Industria  
Società Scientifica



Università degli Studi di Pavia

## THIRD BIOTECH WORKSHOP "Drug delivery systems for biotech products"

With the contribution of CRS Italian Chapter  
ConsorzioTEFARCO-BioPharmaNet



University of Pavia  
Aula Scarpa  
Corso Strada Nuova 65  
27100 Pavia - Italy

Pavia, March 24th-25th 2010



## Workshop goals

The use of biotech drugs in the treatment of pathologies of very high socio-economic impact has been exponentially increasing in the last two decades. These drugs are traditionally formulated for administration through parenteral route, but also through alternative administration routes such as the transmucosal, pulmonary or oral. Due to the complexity of biotech drugs, the obtainment of suitable delivery systems requires strong cooperation between scientists of all pharmaceutical disciplines, in order to select suitable strategies to assure their stability, manufacturability, absorption and distribution, ultimately leading to an improvement of the therapeutic effect. Moreover, in the case of biotech drugs, even the parenteral formulations require to be improved to achieve prolonged release, drug targeting to the site of action, or reduced elimination rate. The purpose of the workshop is to give updated information on the opportunities and problems related with the development, manufacturing and control of biotech drug delivery systems and on the relevant regulatory aspects.

The workshop is addressed to all operators of the pharmaceutical field, to physicians (specializing and general practitioners), to hospital pharmacists and sanitary operators.

A poster session will be organized with scientific contributions from researchers.

All lectures will be in English language.

Drug delivery systems for biotech products



March 24th-25th 2010

## Third biotech workshop - Programme

Wednesday, March 24th, 2010

9.30 – 10.00	<b>Registration</b>
10.00 – 10.30	<b>Workshop opening</b> • Prof. Cesare Balduini, University of Pavia; Dr. Fabio Carli, AFI; Prof. Rainer Muller, EAPB
	<b>Chairpersons</b> • C. Caramella, F. Carli
10.30 – 11.05	<b>Toxicology of nanosystems</b> • Prof. Roy Forster, CIT, Evreux, France
11.05 – 11.40	<b>Preclinical safety of biologicals</b> • Dr. Paolo Colombo, Accelera, Nerviano (MI), Italy
11.40 – 12.15	<b>Regulatory aspects of biotech DDS</b> • Prof. Axel Wenzel, PSST, München, Germany
12.15 – 14.00	<b>Lunch</b>
	<b>Chairpersons</b> • P. Giunchedi, F. Pattarino
14.00 – 14.35	<b>Peptide slow release by microemulsion</b> • Dr. Paolo Mascagni, Italfarmaco, Cinisello Balsamo (MI), Italy
14.35 – 15.10	<b>Pegylated systems</b> • Prof. Paolo Caliceti, University of Padova, Italy
15.10 – 15.45	<b>Colon delivery of biotech drugs</b> • Dr. Luigi Moro, Cosmopharmaceuticals, Lainate (MI), Italy
15.45 – 16.15	<b>Coffee break</b>
16.15 – 16.50	<b>Oral delivery of insulin</b> • Dr. Christiane Damgé, University of Strasbourg, France
16.50 – 17.25	<b>Characterization of drug delivery systems: nanoparticles, emulsions and sprays</b> • Dr. Alice Brun, Alfatest, Roma, Italy
17.25 – 18.00	<b>Solid lipid nanospheres</b> • Dr. Cornelia Keck, PharmaSol, Berlin, Germany

Thursday, March 25th, 2010

9.15 – 9.50	<b>Chairpersons</b> • B. Conti, M. Adami
9.50 – 10.25	<b>The use of particulate carriers for vaccination</b> • Prof. Oya Alpar, School of Pharmacy, University of London, UK
10.25 – 10.55	<b>Vaccines delivery</b> • Dr. Michele Pallaro, Novartis Vaccines, Siena, Italy
10.55 – 11.30	<b>Coffee break</b>
11.30 – 12.05	<b>Adjuvant systems: the immunomodulators of the future</b> • Prof. Antonio Sica, University of Piemonte Orientale, Novara, Italy
12.05 – 12.40	<b>Intranasal vaccination: considerations on device selection</b> • Dr. Marx Degenhard, Pfeiffer, Radolfzell, Germany
12.40 – 14.00	<b>Advanced tools for production, evaluation and physical stability testing of emulsions and nano dispersions</b> • Dr. Riccardo Cossi, Qitech, Pomezia (RM), Italy
	<b>Lunch</b>
	<b>Chairpersons</b> • M.C. Bonferoni, G. Coppi
14.00 – 14.35	<b>Delivery challenges and opportunities for therapeutic biomolecules</b> • Dr. Pierandrea Esposito, SiTec PharmaBio, Barcelona, Spain
14.35 – 15.10	<b>Pulmonary systems</b> • Prof. Paolo Colombo, University of Parma, Italy
15.10 – 15.40	<b>Inhalation delivery systems based on nebulization</b> • Dr. Giovanni Caponetti, Eratech, Piacenza, Italy
15.40 – 16.10	<b>Coffee break</b>
16.10 – 16.45	<b>Challenges in the efficient delivery of drugs into the lungs</b> • Dr. Gerallt Williams, Valois Pharm, Le Vaudreuil, France
16.45 – 17.20	<b>Scaling-up of nanosystems manufacturing methods</b> • Dr. Loredana Cecchetelli, IBI, Aprilia (LT), Italy

Posters will be exposed both days in 80 cm x 100 cm format

## Registration Form



Associazione Farmaceutici Industria  
Società Scientifica

### THIRD BIOTECH WORKSHOP

## "Drug delivery systems for biotech products"

With the contribution of CRS Italian Chapter ConsorzioTEFARCO-BioPharmaNet

**Pavia, March 24th-25th 2010**

University of Pavia - Aula Scarpa  
Corso Strada Nuova 65 - 27100 Pavia - Italy

Last Name \_\_\_\_\_

First Name \_\_\_\_\_

Company \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

E-mail \_\_\_\_\_

Invoice to: \_\_\_\_\_

Corporate Name \_\_\_\_\_

Social Security Number \_\_\_\_\_

VAT Number \_\_\_\_\_

Address for invoice \_\_\_\_\_

Zip Code \_\_\_\_\_ City \_\_\_\_\_

Address for invoice shipment (if different) \_\_\_\_\_

\_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_

A.F.I. members  YES  NO

Industrial and academic participants  YES  NO

Postgraduate students  YES  NO

Undergraduate students  YES  NO

**Registrations will be accepted until covering all the places available**

• Please return the registration form by fax (+39 02 66200418) or e-mail (info@newaurameeting.it) by March 16<sup>th</sup>, together with the receipt of the payment.  
PAYMENT METHOD

1. cheque n. \_\_\_\_\_

of the Bank \_\_\_\_\_

entered to: **NEW AURAMEETING s.r.l.**

2. bank transfer to **NEW AURAMEETING s.r.l.** - Banca Popolare di Milano Ag. 15

IBAN: IT65 T 05584 01615 000000043206 - SWIFT: BPMIITM1015

In conformity with the legislative decree 196/2003, New Aurameeting grants the maximum privacy in treating the personal data supplied, that will be used only for communications related to the services offered and for administrative processes.

