



3rd Conference on Innovation in Drug Delivery: Advances in Local Drug Delivery 22-25 September, 2013, Pisa, Italy

VENUE

Palazzo dei Congressi
Via Matteotti, 1 - Pisa, Italy
www.palazzodeicongressi.pisa.it

Sunday 22 September 2013

13.30 - 20.00 Registration
17.00 - 19.00 Guided Walking Tour in Pisa (Departure from the Conference Centre)
16.30 - 21.00 Exhibition
19.15 - 21.00 Welcome Reception in the Exhibition

Monday 23 September 2013

08.00 Registration

09.00 Opening ceremony

Chairs: Franco Alhaique, Elias Fattal

09.25 Plenary Lecture: **Fabio Beltram**

NEST Laboratory, Scuola Normale Superiore, Pisa, Italy
“NANOTECHNOLOGY, HOW IT CAN HELP”

10.10 Oral: **Hans E. Junginger**, Jacobus Veel

Aruba Aloe Balm N. V., Oranjestad, Aruba Dutch West Indies

“ALOE VERA GEL BASED CREAMS AGAINST ITCHING
AND SCAR FORMATION OF SECONDARY BURN WOUNDS WITH
AMAZING EFFECTS”

10.35 Coffee Break - Posters and Exhibition

Chairs: Maria-Teresa Peracchia, Anna Maria Fadda

11.10 Oral: **Oren Giladi**, Taher Nassar, Orit Jacobson,
Ofer Gofrit, Eyal Mishany, Simon Benita

The Hebrew University of Jerusalem, Israel

“IN-VITRO AND IN-VIVO CHARACTERIZATION OF LOADED
IMMUNONANOPARTICLES”



- 11.30 Oral: **Daniel Schweizer**, T. Serno, I. Vostiar, K. Schönhammer, M. Jahn¹, A. Heier, A. Göpferich
Novartis Pharma AG, Switzerland/University Regensburg, Germany
“PHARMACOKINETICS AND BIOCOMPATIBILITY OF A CONTROLLED RELEASE MONOCLONAL ANTIBODY FORMULATION”
- 11.50 Invited Lecture: **Gert Storm**
University of Utrecht, The Netherlands
“APPLICATION OF HIGH INTENSITY FOCUSED ULTRASOUND (HIFU) FOR TUMOR-TARGETED TEMPERATURE-RESPONSIVE DRUG DELIVERY”
- 12.20 Oral: Technical Session: DOW CORNING, **Morgane Le Meur**
“EFFICIENT IBUPROFEN DRUG DELIVERY FROM A SILICONE BASED ANHYDROUS TOPICAL FORMULATION”
- 12.40 Lunch - Posters and Exhibition

Chairs: Emeline Berlier, Pietro Matricardi
- 13.40 Oral: Chiara Brazzale, **Stefano Salmaso**, Francesca Mastrotto, Giuseppe Mantovani, Cameron Alexander, Paolo Caliceti
University of Padova, Italy
“MULTISTAGE GOLD NANOPARTICLES FOR SITESELECTIVE ANTICANCER THERAPY”
- 14.00 Invited Lecture: **Amélie Bochot**
Institut Galien Paris Sud, University of Paris Sud, France
“NANO AND MICROPARTICULATE SYSTEMS FOR OPHTHALMIC DRUG DELIVERY”
- 14.30 Oral: **Nathalie Schleich**, P. Sibret, P. Danhier, B. Ucakar, C. Jérôme, B. Gallez, V. Prémat, F. Danhier
Université Catholique de Louvain/Université de Liège, Belgium
“DUAL ANTICANCER DRUG/SUPERPARAMAGNETIC IRON OXIDE-LOADED PLGA-BASED NANOPARTICLES FOR CANCER THERAPY AND MAGNETIC RESONANCE IMAGING”
- 14.50 Oral: **Sílvia Castro Coelho**, Sandra Rocha, Gabriela M. Almeida, Filipe Santos Silva, Petras Juzenas, M. Carmo Pereira, Manuel A. N. Coelho
University of Porto, Portugal
“DELIVERY OF A PROTEASOME INHIBITOR IN CANCER CELLS USING PEGYLATED GOLD NANOPARTICLES”
- 15.10 Oral: **Carlotta Marianecchi**, F. Rinaldi, C. Ingallina, D. Passeri, A. Sorbo, M. Rossi, M. Carafa
University of Rome Sapienza, Italy
“SMART MAGNETIC NANOVESICLES FOR THERANOSTIC APPLICATION: PREPARATION AND CHARACTERIZATION”
- 15.30 Coffee Break - Posters and Exhibition



Chairs: Odile Chambin, Maria Carafa

- 16.00 Invited Lecture: **Claudia Montero-Menei**
INSERM, University of Angers, France
 “CHALLENGES IN LOCAL DRUG AND CELL DELIVERY TO THE BRAIN: CONTROLLING THE RIPPLE”
- 16.30 Oral: **Alice Gaudin**, Sinda Lepêtre, Karine Andrieux, Patrick Couvreur
Institut Galien Paris Sud, University of Paris Sud, France
 “PASSAGE OF NUCLEOSIDE ANALOGUES ACROSS THE BLOOD-BRAIN BARRIER USING SQUALENOYL NANOVECTORS”
- 16.50 Oral: G. Salzano, M. Porru, S. Zappavigna, S. Lusa, A. Luce, C. Leonetti, M. Caraglia, **Giuseppe De Rosa**
University of Naples, Italy
 “SELF-ASSEMBLING NANOPARTICLES ENCAPSULATING ZOLEDRONIC ACID FOR THE TREATMENT OF BRAIN TUMORS”
- 17.10 Invited Lecture + Oral: **Alec N. Salt**
Department of Otolaryngology, Washington University School of Medicine, St. Louis, Mo, USA
 “TECHNICAL CHALLENGES IN LOCAL DELIVERY OF DRUGS TO THE INNER EAR” - followed by -
Stefan Plontke
University of Halle-Wittenberg, Germany
 “CURRENT STATUS OF LOCAL DRUG DELIVERY TO THE INNER EAR IN HUMANS”

Tuesday 24 September 2013

Chairs: Elias Fattal, Giuseppe De Rosa

- 09.00 Plenary Lecture: **Justin Hanes**
Johns Hopkins University Baltimore MD, USA
 “MUCUS PENETRATING NANOPARTICLES FOR PULMONARY DRUG AND GENE DELIVERY”
- 09.45 Oral: **Otmar Schmid**
Helmholtz Zentrum München, Germany
 “AN EFFECTIVE INHALATION SYSTEM FOR PRECLINICAL PULMONARY DRUG DELIVERY IN MICE”
- 10.05 Oral: **Francesco Ungaro**, I. d’Angelo, E. Donnarumma, A. Miro, B. Perfetto, L. Coretti, G. Donnarumma, R. Carnuccio, R. Sorrentino, F. Quaglia
University of Naples/University of Messina, Italy
 “IMPROVING THERAPY OF LUNG INFLAMMATION BY INHALABLE POWDERS FOR PROLONGED RELEASE OF A DECOY OLIGONUCLEOTIDE AGAINST NF- κ B”
- 10.25 Invited Lecture: **Paolo Colombo**
University of Parma, Italy
 “PARTICLES, POWDERS AND INHALATION PRODUCTS”
- 10.55 Coffee Break - Posters and Exhibition



Chairs: Alexandre Gil, Ruggero Bettini

- 11.30 Oral: Technical Session: Malvern/Alfatest, **Michel Terray**
“FROM DLS TO NEW TECHNOLOGIES”
- 11.50 Oral: **Nadège Grabowski**, Hervé Hillaireau, Saadia Kerdine-Römer, Nicolas Tsapis, Elias Fattal
Institut Galien Paris Sud, University of Paris Sud, France
“PULMONARY TOXICITY OF PLGA NANOPARTICLES: CYTOTOXICITY AND INFLAMMATORY RESPONSE ON A CO-CULTURE OF LUNG CELLS AND MACROPHAGES”
- 12.10 Invited Lecture: **Elka Toutou**
The Hebrew University of Jerusalem, Israel
“NASAL DELIVERY OF DRUGS FOR EFFICIENT CNS DISEASES TREATMENT”
- 12.40 AWARDS: APGI-SANOFI “YOUNG INVESTIGATOR AWARD” and the “3rd CONFERENCE ON INNOVATION IN DRUG DELIVERY POSTER AWARD”
- 12.45 Lunch - Posters and Exhibition
- Chairs: Karine Andrieux, Anna Rita Bilia
- 14.40 Invited Lecture: **Andrea Gazzaniga**
University of Milan, Italy
“FORMULATION APPROACHES TO COLON DELIVERY: AN OVERVIEW”
- 15.10 Florence Martin-Dejardin, Bruno Ebel, Guillaume Lemetais, Hue Nguyen Thi Minh, Patrick Gervais, Rémy Cachon, **Odile Chambin**
UMR PAM, AgroSup Dijon – Université de Bourgogne, Dijon, France
“ENCAPSULATION OF PROBIOTIC BACTERIA WITH POLYSACCHARIDES FOR COLONIC DELIVERY”
- 15.30 Invited Lecture: **Jean Christophe Leroux**
ETH, Zurich, Switzerland
“PRESYSTEMIC INTERVENTIONS FOR THE TREATMENT OF CELIAC DISEASE”
- 16.00 Coffee Break - Posters and Exhibition
- Chairs: Kawthar Bouchemal, Lucia Zema
- 16.30 Oral: J. Réeff, A. Gaignaux, **Jonathan Goole**, C. De Vriese, K. Amighi
Université Libre de Bruxelles, Belgium
“NEW SUSTAINED-RELEASE INJECTABLE GMO-BASED GEL FOR LOCAL TREATMENT OF ARTHRITIC DISEASES”
- 16.50 Oral: **Gianfranco Pasut**
University of Padova, Italy
“HYALURONIC ACID AS PLATFORM FOR THE DELIVERY OF BIOLOGICS FOR OSTEOARTHRITIS TREATMENT”
- 17.10 Invited Lecture: **Claus Selch Larsen**
University of Copenhagen, Denmark
“DEPOT INJECTABLES FOR JOINT INSTILLATION”
- 20.30 Dinner at “STAZIONE LEOPOLDA”, Piazza Guerrazzi, Pisa



Wednesday 25 September 2013

Chairs: Ylenia Zambito, Carlotta Marianecchi

- 09.00 Oral: **Claudia Carbone**, T. Musumeci, A. Campisi, R. Bonfanti, R. Pignatello, G. Puglisi
University of Catania, Italy
“FA-LOADED NLC FOR THE TREATMENT OF GLIOBLASTOMA”
- 09.20 Plenary Lecture: **Gregor Cevc**
Advanced Treatments Institute Gauting, Germany
“COLLOID FORMULATION EFFECTS ON (TRANS)DERMAL DRUG DELIVERY”
- 10.05 Oral: **Julien Nicolas**, Simon Harrisson, Andrei Maksimenko, Julie Mougin, Patrick Couvreur
Institut Galien Paris Sud, University of Paris Sud, France
“NOVEL POLYISOPRENOID NANOPARTICLES WITH IN VIVO ANTICANCER ACTIVITY FROM WELL-DEFINED POLYMER PRODRUG AMPHIPHILES”
- 10.25 Invited Lecture: **Elias Fattal**
Institut Galien Paris Sud, University of Paris Sud, France
“NANOTECHNOLOGIES TARGETING THE CD 44 RECEPTOR”
- 10.55 Oral: Huiying Jia, **Lei L. Kerr**
Miami University, Oxford, USA
“SUSTAINED DRUG RELEASE USING COMPOSITE PLGA/TIO₂ NANOTUBE FROM TI IMPLANT SURFACE”
- 11.15 Oral: **Chiara Sinico**, M. Manconi, C. Caddeo, D. Valenti,, M. L. Manca, A. M. Fadda.
University of Cagliari, Italy
“PENETRATION ENHANCER-CONTAINING VESICLES FOR CUTANEOUS DRUG DELIVERY”
- 11.35 Oral: Technical Session: **IZON, Johannes Van der Voorn**
“PREDICTABLE REGULATORY PATH FOR NANOMEDICINES BY ACCURATE AND OBJECTIVE PARTICLE MEASUREMENT”
- 11.55 Invited Lecture: **Patrizia Chetoni**
University of Pisa, Italy
“NAIL DRUG DELIVERY: CHALLENGES AND ADVANCES”
- 12.25 Concluding remarks

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