## Conference on Innovation in Drug Delivery: Site-Specific Drug Delivery

### 25-28 September, 2016

**Antibes-Juan-les-Pins, France**

**Venue**

ANTIBES - JUAN-LES-PINS CONFERENCE CENTRE  
60 chemin des Sables, 06160 Antibes- Juan-les-Pins, France  
http://www.antibesjuanlespins-congres.com/

### Sunday, September 25, 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>14.00</td>
<td>Registration</td>
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<tr>
<td>17.00</td>
<td>Guided Walking Tour in Antibes</td>
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<td></td>
<td>Meeting Point: “Espace Les Arcades“, 18 boulevard d’Aguillon, Antibes Old Town</td>
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<tr>
<td>18.30</td>
<td>Welcome Reception</td>
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<td>“Espace Les Arcades”, 18 boulevard d’Aguillon, Antibes Old Town</td>
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### Monday, September 26, 2016

**Chairs:** Elias Fattal, Anna Maria Fadda

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<th>Time</th>
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<tbody>
<tr>
<td>08.00</td>
<td>Registration</td>
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<tr>
<td>09.00</td>
<td>Opening ceremony</td>
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<tr>
<td>09.25</td>
<td>Plenary Lecture</td>
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<tr>
<td></td>
<td>Drug delivery to targets in the skin and nail: measurement and optimization</td>
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<td></td>
<td>Richard Guy</td>
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<td></td>
<td><em>University of Bath, United Kingdom</em></td>
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<tr>
<td>10.10</td>
<td>Oral</td>
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<td>Potential for enhanced intradermal vaccination of mice with a model protein using dissolving polymeric microneedle arrays</td>
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<td>Maeliosa McCrudden, Ryan Donnelly</td>
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<td><em>Queen’s University Belfast, United Kingdom</em></td>
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<tr>
<td>10.30</td>
<td>Coffee Break - Posters – Exhibition</td>
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**Chairs:** Juergen Siepmann, Franco Alhaique

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<tr>
<td>11.10</td>
<td>Oral</td>
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<td>Polymer coated liposomes intended for protective functions of the teeth</td>
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<td>Sara Pistone, Gro Smistad, Francisco Goycoolea, Marianne Hiorth</td>
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<td><em>University of Oslo, Norway</em></td>
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<tr>
<td>11.30</td>
<td>Oral</td>
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<td>Formulation of emulsions stabilized with biodegradable PLGA nanoparticles: co-encapsulation of two active ingredients</td>
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<td>Claire Albert, Nicolas Huang, Nicolas Tsapis, Valérie Nicolas, Laurence Michel, Ghozlene Mekhloufi, Elias Fattal, Florence Agnely</td>
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<td><em>University Paris-Sud, France</em></td>
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11.50 Invited Speaker
The mucus barrier - friend or foe?
Peter C. Griffiths
University of Greenwich, United Kingdom

12.20 Technical Session
Comparing the application and functionality of three different grades of Poly(Methacrylic Acid-Co-Ethyl Acrylate)
Florian Bang, Thorsten Cech, Silke Gebert,
BASF Germany

12.40 Lunch - Posters – Exhibition

Chairs: Giuseppe de Rosa, Florence Siepmann

14.00 Invited Speaker
Single particle tracking in the vitreous humor of the eye
Stefaan De Smedt
University of Ghent, Belgium

14.30 Oral
HexPLA polymer for sustained release of Spironolactone: characterization in vitro and ocular tolerance in rats in vivo
Naoual Dahmana, Laura Kowalczuk, Doris Gabriel, Francine Behar-Cohen, Robert Gurny, Yogeshvar N. Kalia
University of Geneva, Switzerland

14.50 Oral
Curcumin encapsulation in pectin matrix: a mean to modulate antioxidative properties
Odile Chambin, Tihana Baric, Arnaud Béduneau, Philippe Cayot
University of Burgundy, France

15.10 Invited Speaker
Top-down, bottom-up: drug delivery to the colon
Abdul Basit
UCL School of Pharmacy, United Kingdom

15.40 Coffee Break - Posters and Exhibition

Chairs: Gennara Cavallaro, Marcelle Machluf

16.10 Oral
The drug-initiated strategy: a convenient way to design polymer nanoparticles for anticancer therapy
Elise Guegain, Simon Harrisson, Duc Trung Bui, Vianney Delplace, Johanna Tran, Patrick Couvreur, Julien Nicolas
University Paris-Sud, France
16.30 Oral
A nanomedicine approach for therapy of kidney diseases
Riccardo Bruni, Xiaoyi Huang, Min Li, Piergiorgio Messa, Maria Pia Rastaldi, Francesco Cellesi
European Centre for Nanomedicine, Italy

16.50 Invited Speaker
New trends in PLGA controlled drug delivery
Steven Schwendeman
University of Michigan, USA

TUESDAY, SEPTEMBER 27, 2016

Chairs: Gianfranco Pasut, Caroline Chemin

09.00 Plenary Lecture
Approaches for spatiotemporal delivery to solid tumors
Hamid Ghandehari
University of Utah, USA

09.45 Oral
Aqueous core PLA nanocapsules as versatile carriers of water soluble compounds
Donato Cosco, Domenico Britti, Donatella Paolino, Massimo Fresta
University of Cantanzaro, Italy

10.05 Oral
Nano-Ghosts revolutionizing targeted drug delivery
Limor Kaneti, Tomer Bronshtein, Marcella Machluf
Israel Institute of Technology, Israel

10.25 Invited Speaker
To target or not to target? Challenges and opportunities in targeting nanomedicines for therapeutic interventions
Dan Peer
Tel Aviv University, Israel

10.55 Coffee Break - Posters – Exhibition

Chairs: Géraldine Piel, Massimo Fresta

11.30 Oral
Targeted gene silencing in cancer cells using anti-CD44 aptamer functionalized liposomes
Elias Fattal, Walhan Alshaer, Hervé Hillaireau, Juliette Vergnaud, Said Ismail
University Paris-Sud, France
11.50 Oral
Folate-modified liposomes for increased delivery of siRNA to U87 cells *in vitro*
**Michele Schlich**, Francesco Lai, James Evans, Caitriona O'Driscoll, Anna Maria Fadda
*University of Cagliari, Italy*

12.10 Oral
Bifunctional liposomes targeting CXCR4 receptors for combined therapy against lung metastasis
S. Lusa, G. Salzano, C. Ieranò, C. D’Alterio, M. Buoncervello5, D. Macchia, M. Spada, A. Barbieri, A. Luciano, L. Gabriele, C. Arra, L. Mayol, M. Biondi, S. Scala, **G. De Rosa**
*University of Naples, Italy*

12.30 Technical session
GMP PLA/PLGA for sustained release applications
**Eric Busseron**, Karine Salim
*PCAS, France*

12.50 *Lunch - Posters – Exhibition*

**Chairs: Francesco Cilurzo, Mounira Hamoudi**

14.20 Invited Speaker
Polymeric nanodevices as delivery systems for nucleic acid based drugs
**Gennara Cavallaro**
*University of Palermo, Italy*

14.50 Oral
Innovative mAb-drug systems based on Fc binding proteins for targeted delivery
Katia Maso, Giulia Dall’Anese, Anna Mero, Isabella Montagner, Antonio Rosato, **Gianfranco Pasut**
*University of Padova, Italy*

15.10 Oral
The effect of glycosaminoglycans on the elasticity of flexible cationic liposomes for (trans)dermal delivery
**Silvia Franzé**, Alessandro Podestà, Patrizia Procacci, Paola Minghetti, Francesco Cilurzo
*University of Milan, Italy*

15.30 Invited Speaker
Drug delivery to the inner ear
**Juergen Siepmann**
*University of Lille, France*

16.00 Coffee Break - Posters – Exhibition
Chairs: Odile Chambin, Anna Rita Bilia

16.30 Oral
Hydrophobin-nanofibrillated cellulose emulsions for the solubilization and controlled release of poorly soluble BCS class II drugs

Heli Paukkonen, Anni Ukkonen, Geza Szilvay, Timo Laaksonen, Marjo Yliperttula
University of Helsinki, Finland

16.50 Invited Speaker
pH sensitive amorphous solid dispersion for delivery in the upper intestine

Marylin Calderone
Sanofi, France

20.30 Jazzy “Provencal dinner”, Plage Les Pirates, 23 bd Baudoin, Juan les Pins

Chairs: Karine Andrieux, Francesca Ungaro

09.00 Plenary Lecture
Helping drugs and antigens crossing mucosal barriers

Maria José Alonso
University of Santiago de Compostella, Spain

9.45 Oral
Hybrid lipid/polymer nanoparticles for pulmonary delivery of sirna: development and fate upon in vitro deposition on a human epithelial airway model

Ivana d’Angelo, Gabriella Costabile, Estelle Durantie, Agnese Miro, Fabiana Quaglia, Barbara Rothen-Rutishauser, Francesca Ungaro
University of Naples, Italy

10.05 Invited Speaker
Nanomedicine and neurodegenerative disorders: so close yet so far

Giovanni Tosi
University of Modena and Reggio Emilia, Italy

10.35 Oral
Preparation and analysis of nanovectors for brain delivery of andrographolide as neuroprotective agent

Clizia Guccione, Mouhssin Oufir, Vieri Piazzini, Daniela Eigenmann, Evelyn Jahne, Volha Zabela, Maria Teresa Faleschini, Maria Camilla Bergonzì, Martin Smiesko, Matthias Hamburger, Anna Rita Bilia
University of Florence, Italy
10.55 **Oral**
Innovative injectable liposome and drug-in-cyclodextrin-in liposome systems encapsulating estetrol for the treatment of ischemia diseases in premature babies
Claudio Palazzo, Claudio Palazzo, Julie Laloy, Anne-Sophie Delvigne, Gwenaël Nys, Reatul Karim, Jean-Michel Dogne, Marianne Fillet, Jean-Michel Foidart, Brigitte Evrard, Geraldine Piel
*University of Liège, Belgium*

11.15 **Oral**
Artificial lung surfactant for drug delivery
Anna Rising, Jan Johansson
*Karolinska Institute, Sweden*

11.35 **Invited Speaker**
Inhaled formulations for targeted delivery to lung cancer cells
Karim Amighi
*Free University of Brussels, Belgium*

12.05 Closure