



**SITELF**  
Società Italiana di Tecnologia  
e Legislazione Farmaceutiche

# 5th Conference on Innovation in Drug Delivery

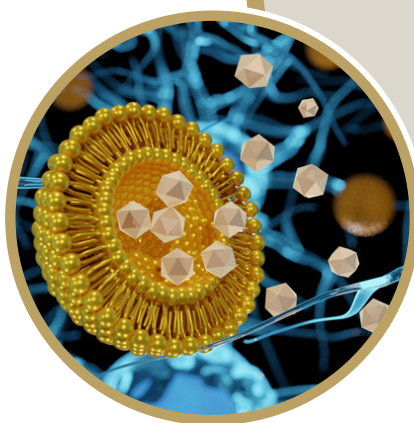
Multidisciplinary approaches  
for precision medicine

When:

1-3 October 2025

Where:

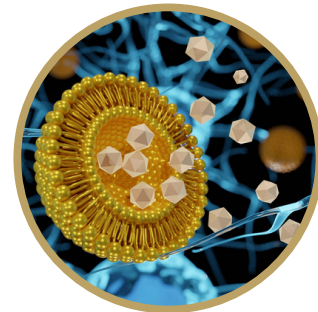
Turin - Italy



[www.apgi.org](http://www.apgi.org)  
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[apgi@apgi.org](mailto:apgi@apgi.org)



APGI and SITELF are delighted to invite you to attend the “5th Conference on Innovation in Drug Delivery” that will take place in Turin, Italy, on 1-3 October 2025. Innovation in Drug Delivery series of meetings took place four times, the last one being held in Antibes-Juan les Pins in France in October 2016, with 250 attendees from 28 countries.

The Fifth edition, entitled « **Multidisciplinary Approaches for Precision Medicine** » will be the occasion to review the different scientific interfaces in drug delivery from chemistry, physical chemistry to immunology and pathophysiology. **The topic will be supported by several world-famous scientists** from various countries, as listed below.

Maria-José Blanco Prieto (University of Navarra, Spain)

João Conde (Nova University, Lisbon, Portugal)

Elena Del Favero (University of Milan, Italy)

Stefaan De Smedt (Ghent University, Belgium)

Ryan Donnelly (Queen's University Belfast, UK)

Mostafa Nakach (Sanofi, France)

Ling Peng (CNRS, France)

Enzo Terreno (University of Turin, Italy)

Nicolas Tsapis (CNRS, France)

Assaf Y. Zinger (Technion - Israel Institute of Technology, Israel)

The conference will provide an opportunity **for junior scientists** to submit scientific **abstracts for short talks, as well as for oral or poster presentations**. Additionally, it will feature an **industrial exhibition** which is open to **sponsorship**.

Please keep in mind that all **coffee and lunch breaks** are **included in the registration fees**. These **breaks will take place in the industrial exhibition and poster presentation area** to encourage interaction among participants, exhibitors, and presenters.

**Juergen Siepmann**

President APGI

**Paola Minghetti**

President SITELF



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Società Italiana di Tecnologia  
e Legislazione Farmaceutiche

# PROGRAMME COMMITTEE

## Programme committee

Prof. Silvia Arpicco, University of Turin - Italy  
 Prof. Paolo Caliceti, University of Padua - Italy  
 Prof. Roberta Cavalli, University of Turin - Italy  
 Prof. Odile Chambin, University of Burgundy - France  
 Prof. Giuseppe De Rosa, University of Naples - Italy  
 Prof. Elias Fattal, University of Paris Saclay - France  
 Prof. Paola Minghetti, University of Milano - Italy  
 Prof. Simona Mura, University of Paris Saclay - France  
 Dr Maria-Teresa Peracchia, Sanofi - France  
 Prof. Juergen Siepmann, University of Lille - France

## Chairs of the conference

Prof. Paolo Caliceti, University of Padua - Italy  
 Prof. Elias Fattal, University of Paris Saclay - France

# SCIENTIFIC PROGRAMME

Wednesday 1st October

08:45-12:30- Registration	
<b>13:00-13:30 - Opening Ceremony</b> Paola Minghetti, Univ.... Juergen Siepmann, University of Lille Paolo Calicetti, Univ Elias Fattal, University of Paris Saclay	
<b>13:30-14:15 - Plenary lecture</b> Multidisciplinary approaches for precise ocular drug delivery and treatment Stefaan De Smedt, Ghent University, Belgium	
Oral presentations	<b>14:15-14:35</b> Self assembling nanoparticles for a combined RNA-phosphatidylinositol therapy against amyotrophic lateral sclerosis Valeria Nele, University of Naples "Federico II", Italy
	<b>14:35-14:55</b> Innovative fluorinated polyester microbubbles for ultrasound brain therapy Claire Spitzlei, University Paris Saclay, France
Invited talk 14:55-15:25	Scaling up of manufacturing process for nano drug delivery systems Mostafa Nakach, Sanofi, France
<b>15:25-15:55 - Coffee break</b>	
Oral presentations	<b>15:55-16:15</b> Light-Responsive DNA Delivery with Cyclodextrin-Based Lipid Cationic Azobenzene Dendron Host Guest Vectors Maria J. Puerto Madorran, University Paris Saclay, France
	<b>16:15-16:35</b> Mannosylated cationic glycopolymers as pDNA delivery system for cancer immunotherapy Francesca Mastrotto, University of Padua, Italy
Short talks	<b>16:35-16:45</b> Hyaluronic acid-coated lipid nanoparticles for targeted mRNA delivery Mengyuan Cao, University Paris Saclay, France
	<b>16:45-16:55</b> Development of a Dextran-Based Cationic Vector for Nucleic Acid Delivery in Gene Therapy Marco Dattilo, University of Calabria, Italy
Invited talk 16:55-17:25	Modular and adaptive dendrimer nanosystems for precision medicine Ling Peng, CNRS, France

# SCIENTIFIC PROGRAMME

Thursday 2nd October

<b>08:30-09:15 - Plenary lecture</b> Advanced Therapies for Cancer Treatment and Tissue Regeneration Maria-José Blanco Prieto, University of Navarra, Spain	
Oral presentations	<b>09:15-09:35</b> siRNA Precision Delivery through Inulinated Nanoparticles to Restore Immune System Availability to Combat Colorectal Cancer Carmela Mazzacano, University of Salerno, Italy
	<b>09:35-09:55</b> Advancing Delivery and Precision Medicine: Enhancing Imaging with Insights from Extracellular Vesicles in Preclinical Research Mariangela Garofalo, University of Padua, Italy
Short talks	<b>09:55-10:05</b> Local Delivery of Anticancer Drugs in Combination with an Immunomodulatory Tumor-targeting Monoclonal Antibody Improves Long-lasting Antitumor Effects in Melanoma Fang Liu, Medincell/IRCM, France
	<b>10:05-10:15</b> Biomimetic vesicles for boron neutron capture therapy of glioblastoma Giorgia Ailuno, University of Genoa, Italy
<b>10:15-10:45 - Coffee break/Exhibition</b>	
Invited talk 10:45-11:15	Unlocking the Cellular Blueprint: Precision Targeting of Diseased Tissues with Biomimetic Nanoparticles Assaf Zinger, Technion - Israël Institute of Technology, Israël
Oral presentations	<b>11:15-11:35</b> Exploiting the role of CD105/endoglin pathway in the treatment of pulmonary fibrosis with pH-responsive Lipid@PLGA nanoparticles for siRNA inhalation Gabriela Costabile, University of Naples Federico II, Italy
	<b>11:35-11:55</b> Development of multifunctional Lipoparticles for immunostimulants co-delivery Valentine Ginet, LBTI, France
	<b>11:55-12:15</b> Lipid self-assembling nanoparticles for the development of novel mRNA-based vaccines Alessia Angelillo, University of Naples Federico II, Italy
Short talk	<b>12:15-12:25</b> Injectable hybrid system for sustained peptide release in osteoarthritis treatment Rima Soussi, University Paris-Saclay, France
<b>12:25-13:45 - Lunch break/Exhibition</b>	

# SCIENTIFIC PROGRAMME

Thursday 2nd October

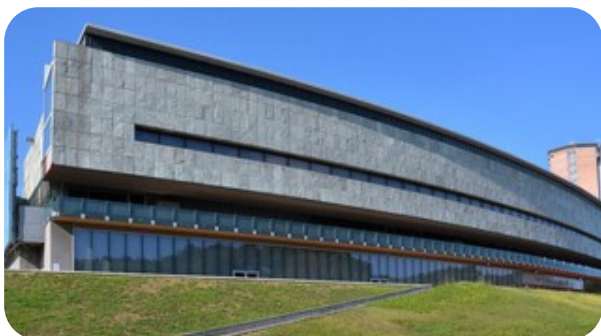
<b>Invited talk</b> <b>13:45-14:15</b>	Structural characterization of drug carriers at the nanoscale Elena Del Favero, University of Milan, Italy
<b>Oral presentations</b>	<b>14:15-14:35</b> Immunomodulatory corticosteroid-loaded micelles as robust sepsis treatment François Fay, University Paris Saclay, France
	<b>14:35-14:55</b> In vitro and ex vivo validation of a P407 hydrogel dispersing liposomes for sustained dexamethasone release using hSAE and HEI-OC1 cells, cochlear explants and a round window membrane (RWM) model Chloé Gauthy, University of Liege, Belgium
	<b>14:55-15:15</b> Comparative in vitro study of lipid and polymeric nanoparticles for the delivery of PEA to myoblasts Eliana Leo, University of Modena and Reggio Emilia, Italy
<b>Short talks</b>	<b>15:15-15:25</b> Multicompartmental lipid-based Janus nanoparticles: development towards IV administration Do Nhu Trang Nguyen, University Paris Saclay, France
	<b>15:25-15:35</b> BING Peptide membrane selectivity: MD simulations and CD studies for targeting bacterial infections Cinzia Campus, University of Sassari, Italy
<b>15:35-16:05 - Coffee break/Exhibition</b>	
<b>Oral presentation</b> <b>16:05-16:25</b>	Enhanced oral bioavailability of amphotericin B via microencapsulation of a mucolytic deep eutectic solvent for targeted therapy in cystic fibrosis Angela Assunta Lopedata, University of Bari "Aldo Moro", Italy
<b>Short talk</b>	<b>16:25-16:35</b> Repurposing Atorvastatin as Dry Powder for Pulmonary Delivery: Formulation Development and In Vitro Anti-Inflammatory Evaluation on Lung Epithelial Cells Lorenzo Mancini, University of Perugia, Italy
	<b>16:35-16:45</b> Bioprinting of a Probiotic Time-Dependent Oral Colon Delivery System for Bacteriotherapy Saliha Moutaharrik, University of Milan, Italy
<b>Invited talk</b> <b>16:45-17:15</b>	Why going NANO on cancer healthcare and drug delivery? João Conde, Nova University Lisbon, Portugal
<b>17:45-19:15 - Visit of the Museo dell'Automobile (included in registration)</b> <b>19:30 - 22:30 : Gala Dinner at the Museo dell'Automobile</b>	

# SCIENTIFIC PROGRAMME

Friday 3rd October

<b>Invited talk</b> <b>09:00-09:30</b>	Polymeric microneedle systems for long-acting drug delivery Ryan Donnelly, Queen's University Belfast, UK
<b>Oral presentations</b>	<b>09:30-09:50</b> Transbuccal delivery of peptides with a biodegradable suction patch Hanna Krupke, ETH Zurich, Switzerland
	<b>09:50-10:10</b> Innovative Chitosan-Based sponges for Dental Application Magdalena Paczkowska-Walendowska, Poznan University, Poland
	<b>10:10-10:30</b> Hydrogel-Formin microneedles for the Sustained Transdermal Delivery of Ketoprofen Maria Galleri, Queen's University Belfast, UK
<b>Short talk</b>	<b>10:30-10:40</b> PVA/Xanthan gum-based wound dressing incorporating mupirocin-loaded TPGS micelles for enhanced antibacterial therapy Sara Signorini, University of Parma, Italy
<b>10:40-11:10 - Coffee break/Exhibition</b>	
<b>Invited talk</b> <b>11:10-11:40</b>	Nanomedicines and microparticles for the treatment of pulmonary diseases Nicolas Tsapis, CNRS, France
<b>Oral presentations</b>	<b>11:40-12:00</b> Exploring antibubbles for drug delivery applications Cornelus van Nostrum, Utrecht University, The Netherlands
	<b>12:00-12:20</b> Ultra-long acting Nanofluidic Implant for HIV Prevention and Treatment Alessandro Grattoni, Houston Methodist Hospital, United States of America
<b>Invited talk</b> <b>12:20-12:50</b>	Innovative approaches for in vivo imaging of drug delivery and release Enzo Terreno, University of Turin Italy
<b>12:50 - Conclusion</b>	





## VENUE

Museo Nazionale dell'Automobile  
Corso Unità d'Italia 40  
10126 Torino - Italia

By metro: direction Bengasi - station: Lingotto

## SOCIAL PROGRAMME

### Gala dinner

The gala dinner is scheduled for Thursday, October 2nd.

It will be hosted at the Mauto (Museo del Automobile).

Please note that the gala dinner is included in the registration fees.



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