

Trieste September 11-13, 2023



A.D.R.I.T.E.L.F.
1973 - 2023



**50 anni di ricerca scientifica e di formazione nel campo della
tecnologia e della legislazione farmaceutiche**

Congress Venue:
Hotel Savoia Excelsior Palace
Riva del Mandracchio, 4, 34124 Trieste TS

Trieste September 11-13, 2023

Monday, September 11

14.00-14.30

Opening Ceremony

14.30-14.45

Prof. Joerg Breitzkreutz, Heinrich Heine University Duesseldorf and APV, Mainz, Germany

Plenary Lecture

Chairperson

Anna Fadda

14.45-15.25

Prof. Elias Fattal, University Paris Sud – Saclay
Breaking down barriers in designing nanomedicines for the treatment of inflammatory diseases

Keynotes

Room A – Sala Tergeste

Room B – Sala Zodiaco

Session 1

Session 2

Chairpersons

Donatella Paolino – Elisabetta Gavini

Silvia Rossi – Francesca Ungaro

15.30-15.55

Innovation in pharmaceutical nanotechnologies: tailoring the design of nanomedicines

Surfactant-based “soft” nanocarriers: drug delivery and more

Giovanni Tosi, University of Modena and Reggio Emilia

Maria Jole Carafa, University Sapienza

15.55-16.25

Coffee Break

16.25-16.50

Nose-to-brain drug delivery systems and formulative approaches of photosensitizers

Dual function surfactants for pharmaceutical formulations: the case of alkyl biguanides

Giovanna Rassu, University of Sassari

Giulia Bonacucina, University of Camerino

16.50-17.15

Brain delivery of therapeutics for neurodegenerative diseases

Host-directed strategies and sustainable - green technologies to fight infectious and inflammatory diseases

Antonio Di Stefano, University of Chieti G. d'Annunzio

Maurizio Ricci, University of Perugia

17.15-17.40

Prodrugs, micro or nanoparticulate systems and nasal administration as non-invasive approaches against brain diseases and airborne infections. Loco-regional therapy of cancer

New horizons for drug delivery to the airways

Alessandro Dalpiaz, University of Ferrara

Fabio Sonvico, University of Parma

17.40-18.05

Tailor made biocompatible polymers for nanomedicines, theranostics and regenerative medicine

The role of Italian community pharmacy in primary secondary and tertiary prevention: ten years of experience

Gennara Cavallaro, University of Palermo

Paola Brusa, University of Turin

18.05-19.00

Poster session

19.00-19.45

Welcome cocktail

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Tuesday, September 12

Plenary Lectures

Chairperson *Paolo Caliceti*

9.00-9.40 Prof. Dan Peer, University of Tel Aviv
Play God with RNA

Chairperson *Ruggero Bettini*

9.40-10.20 Prof. Stefaan De Smedt, University of Ghent
Nucleic Acid Delivery: on recent findings from the Ghent Research group on Nanomedicines

10.20-10.50

Coffee break

Keynotes

Room A – Sala Tergeste

Session 3

Chairpersons *Paolo Blasi - Ida Genta*

10.50-11.15 Multicargo polymeric nanoparticles to overcome resistance in cancer chemotherapy
Fabiana Quaqlia, University of Naples Federico II

11.15-11.40 Core and surface engineering of “smart” drug nanocarriers
Stefano Salmaso, University of Padova

11.40-12.05 Less is more. From liposomes to nanocrystals
Chiara Sinico, University of Cagliari

12.05-12.30 Zein as a versatile biomaterial: new perspectives for innovative applications
Donato Cosco, University Magna Graecia of Catanzaro

12.30-14.30

Room B – Sala Zodiaco

Session 4

Aurelie Schoubben – Cristina Bonferoni

From scleroglucan to 3D-bioprinting: a 25-year story
Maria Antonietta Casadei, University Sapienza

Design and development of drug delivery systems based on swellable hydrophilic polymers
Alessandra Maroni, University of Milan

Improving on nature: successfully nanocarriers for the optimisation of biopharmaceutical properties of natural compounds and plant extracts
Maria Camilla Bergonzi, University of Florence

Progress of pharmaceutical technological and cosmetic research at Genoa university
Gabriele Caviglioli, University of Genoa

Lunch Break

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Plenary Lecture

<i>Chairperson</i>	<i>Patrizia Santi</i>
14.30-15.10	Prof. Sophia Antimisiaris University of Patras <i>Targeted liposomes for drug delivery applications, systemic and local administration</i>

Keynotes

Room A – Sala Tergeste

Room B – Sala Zodiaco

Session 5

Session 6

<i>Chairpersons</i>	<i>Stefano Giovagnoli – Elisabetta Esposito</i>	<i>Piera di Martino – Gaia Colombo</i>
15.10-15.35	Technological platforms for ocular drug delivery <i>Rosario Pignatello, University of Catania</i>	Pharmaceutical technology 2.0: innovative perspectives for the formulation of drugs at the molecular-level <i>Dritan Hasa, University of Trieste</i>
15.35-16.00	Enhancing drug transport across biological barriers: polymeric micelles for skin, buccal and ocular drug delivery <i>Sara Nicoli, University of Parma</i>	New insights into solid lipid microparticles for oral administration produced by spray congealing technology <i>Nadia Passerini, University of Bologna</i>
16.00-16.25	Past innovations and future perspectives in ophthalmic drug delivery-an update on nanosystems <i>Patrizia Chetoni, University of Pisa</i>	From pharmaceutical technique to pharmaceutical technology in 50 years at the university of Padua <i>Nicola Realdon, University of Padova</i>
16.25-16.55	Coffee Break	

Room A – Sala Tergeste

Room B – Sala Zodiaco

Session 7

Session 8

<i>Chairpersons</i>	<i>Paolo Giunchedi – Silvia Arpicco</i>	<i>Carmelo Puglia – Anna Rita Bilia</i>
16.55-17.20	Electrospun nanofiber matrices: a platform for soft tissue repair, regeneration and drug delivery <i>Bice Conti, University of Pavia</i>	When the pharmaceutical technology meets regulatory science <i>Paola Minghetti, University of Milan</i>
17.20-17.45	Can lipid-based nanosystems be a tool to overcome skin barrier? <i>Rita Cortesi, University of Ferrara</i>	Pharmaceutical technology platforms for the development of tailored paediatric dosage forms <i>Nunzio Denora, University of Bari “Aldo Moro”</i>
17.45-18.10	An evolution of mucoadhesive drug carriers based on chitosan and cyclodextrin derivatives <i>Anna Maria Piras, University of Pisa</i>	The versatile role of cyclodextrins in drug delivery <i>Francesca Maestrelli, University of Florence</i>
18.10-18.25	Journal of Controlled Release	
18.25-19.00	Poster session	
20.00	Social Dinner	

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Wednesday, September 13

Plemary Lectures

Chairperson *Paolo Caliceti*

9.00-9.40 Prof. Andreas Bernkop-Schnürch, University of Innsbruck
“Lipid-based Nanocarriers for Oral peptide Drug Delivery: Hype or Hope?”

Chairperson *Ruggero Bettini*

9.40-10.20 Prof. Maria José Alonso, University of Santiago de Compostela
“Advanced therapies and Personalized Medicine: The role of Pharmaceutical Nanotechnology”

10.20-10.50

Coffee break

Keynotes

Room A – Sala Tergeste

Room B – Sala Zodiaco

Session 9

Session 10

Chairpersons *Donato Cosco – Carlotta Marianecchi*

Pietro Matricardi – Lucia Zema

10.50-11.15 The landscape of pharmaceutical technology in Turin University: focus on nanotechnology strategies

Lipid nanoparticles for RNA delivery: potentialities and strategies to foster their clinical use

Roberta Cavalli, University of Turin

Giuseppe De Rosa, University of Naples Federico II

11.15-11.40 Antibody-drug conjugates and immunoliposomes against her2 positive cancers.

Liposomal therapeutics: the never end story in drug delivery

Gianfranco Pasut, University of Padua

Christian Celia, University of Chieti G. d’Annunzio

11.40-12.05 Macro- micro- and nano drug delivery systems @ DIFARMA - University of Salerno

Multifunctional and bioactive polymers for tissue engineering and drug delivery

Pasquale Del Gaudio, University of Salerno

Giuseppina Sandri, University of Pavia

12.05-12.30 Molecularly Imprinted Synthetic Material Antibodies (MISMAs) as artificial counterpart of conventional antibodies in molecular recognition

3D printing in pharmaceuticals: how to use it?

Francesco Puoci, University of Calabria

Luca Casettari, University of Urbino Carlo Bo

12:30

Lunch