

CRS ITALY CHAPTER ANNUAL WORKSHOP



Catania, November 7th - 9th, 2019

SCIENTIFIC COMMITTEE

Rosario Pignatello
Pietro Matricardi
Francesco Cilurzo
Giuseppe Colombo
Paolo Decuzzi
Giuseppe De Rosa
Ida Genta
Piero Iamartino
Nadia Passerini
Massimo Pedrani
Chiara Sinico

LOCAL ORGANIZING COMMITTEE

Giovanni Puglisi
Francesco Castelli
Cinzia Ventura
Carmelo Puglia
Maria Grazia Sarpietro
Lucia Montenegro
Teresa Musumeci
Claudia Carbone

PRELIMINARY LIST OF SPEAKERS

Nabil Abdulhafiz Alhakamy (Jeddah)
Carmen Alvarez Lorenzo (Santiago de Compostela)
Paolo Bettica (Milan)
Marc Brown (Guildford)
Giovanni Camussi (Turin)
Giuseppe Colombo (Milan)
Valentina Drago (Catania)
Dmitry Fedosov (Jülich)
Antonio Leonardi (Nottingham)
Paolo Magni (Pavia)
Vera Mason (Istrana)
Martina Pannuzzo (Genova)
Francesco Pappalardo (Catania)
Jarkko Rautio (Kuopio)
Dario Rusciano (Montegiorgio)



Steering the Clinical Translation of Delivery Systems for Drugs and Health Products

Aim of the Workshop

Besides the feasibility for industrial scale-up, accelerating the translation from bench-to-bedside of new technological strategies for controlled delivery and targeting of drugs and other actives relevant for health management, such as medical devices and nutraceuticals, would benefit from an even earlier evaluation in preclinical models and clinical settings.

In the same time, translational medicine also performs in the opposite direction, incorporating clinical needs and observations into scientific hypotheses and innovative technological proposals.

With these aims, the sessions proposed for the 2019 CRS Italy Chapter workshop will introduce the experience of Italian and worldwide researchers on how to foster the actual work in controlled release and drug delivery towards a reliable pre-clinical and clinical assessment.



Program

DAY 1
THURSDAY,
NOVEMBER 7

12:00-14:30 Registration of participants

14:30 **Welcome and introduction to the workshop**

SESSION A

How Informatics can support Drug Delivery Technologies

15:15-15:45 **"Modeling and simulation, a powerful tool to inform drug development: a first-time-in-human study design in oncology"**

Paolo Magni (University of Pavia)

15:45-16:15 **"How Computer Science and biomedical engineering can help drug discovery process: in silico trials"**

Francesco Pappalardo (University of Catania)

16:15-16:45 **"Intricate journey of micro- and nano-carriers for drug delivery in the blood stream"**

Dmitri Fedosov (FZ-Juelich)

16:45-17:15 **"Multiscale Modelling and Simulations at the Nanometer Scale for the Optimization of Delivery Systems"**

Martina Pannuzzo (IIT, Genova)

17:15-17:40 Question Time

17:40-19:00 **Poster session 1**

DAY 2
FRIDAY,
NOVEMBER 8

SESSION B

Can DDS meet Clinical needs in Ophthalmology?

09:00-09:30 **"Drug delivery strategies for ophthalmic diseases"**

Dario Rusciano (SOOFT-FIDIA)

09:30-10:00 **"The Challenges & Opportunities of Drug Delivery to the Eye"**

Marc Brown (MedPharm, UK)

10:00-10:30 **"Topical Drug Delivery Systems to Tackle Ocular Diseases"**

Carmen Alvarez Lorenzo (Univ. of Santiago de Compostela, Spain)

10:30-10:45 Alfatest Technical lecture: **"Liposome Size Targeting with Microfluidic flow focusing"**

Alexander Armitstead (Dolomite Microfluidics)

10:45-11:15 Question Time

11:15-11:45 Coffee Break

11:45-13:00 **Poster Session 2**

13:00-14:30 Light Lunch



Program

DAY 2
FRIDAY,
NOVEMBER 8

SESSION C

Relevance and State of the art of Clinical Studies in Drug release and Targeting

14:30-15:00 "The regenerative potential of stem cell-derived extracellular vesicles: the challenge for shifting from preclinical to clinical applications"

Giovanni Camussi (University of Turin)

15:00-15:30 "Clinical testing in children: the case of Givinostat in Duchenne Muscular Dystrophy"

Paolo Bettica (Italfarmaco Group, Milan)

15:30-16:00 "Unique features of paediatric drug delivery"

Giuseppe Colombo - ItalfarmacoGroup, Milan

16:00-16:30 "Gene Therapy Comes of Age and Returns to Centre Stage: from Preclinical Development to Clinical Application"

Nabil Abdulhafiz Alhakamy (King Abdulaziz University)

16:30-17:00 "Prodrugs for overcoming preclinical and clinical issues"

Jarkko Rautio (University of Eastern Finland)

17:00-17:30 Question Time

17:30-17:55 Coffee Break

18:00 Chapter's Electoral Assembly

DAY 3
SATURDAY,
NOVEMBER 9

9:00 – 10:15 Poster awards – PhD awards

SESSION D

Clinical Trials for Health Products: the impact of UE regulations

10:30-10:45 Büchi Technical lecture: "BUCHI B-90 Spray Dryer technologies: advanced formulations for biomedical applications"

Emanuela F. Craparo e Fabio S. Palumbo

10:45-11:15 "Clinical trials for not-pharmaceutical products: the state of the art"

Valentina Drago (SCF)

11:15-11:45 "Drug Delivery Systems as combination products in Medical Device development"

Antonio Leonardi (Locate Bio Ltd, UK)

11:45-12:15 "Novel delivery approaches for nutraceuticals"

Vera Mason (Labomar, Istrana, TV)

12:15-12:45 Question time

12:45 Concluding remarks and end of the workshop

Social Events

Friday 8 (h 20:30): **Social dinner at Restaurant 'Il Pozzo'**

UPON RESERVATION:

Saturday 9 (h 15.00 or 16.00): **Guided tour of the Monastero dei Benedettini** (1h 15 min)

Saturday 9 (h.15.00): **Guided tour of Catania Underground** (2h 30 min)

Sunday 10 (h 8.30): **Bus trip and tour of the baroque city of Noto** (9h)

Sunday 10 (h 8.30): **Bus trip and tour "Montalbano's Tracks" (Ragusa area)** (12h)

Sunday 10 (h 8.30): **Guided Tour to Caltagirone** (8h)

Participants who wish to join one or more of the proposed tours are requested to fill the form
Please return the form before october 5th to arrange the Tours. Payment can be done during
the Congress days

Form: [CLICK HERE](#) 

Call for abstracts

Contributions, including a brief description of the research, main results and future perspectives must be prepared using the abstract template available on the website: www.newaurameeting.it and submitted by email to the scientific secretariat (info.crs.it@gmail.com) **within September 30th, 2019**. To foster the discussion on recent researches and networking opportunities among attendees, **all poster presenting authors are asked to provide a short talk**; 10 min presentation followed by 5 min discussion will be scheduled in the dedicated poster area. Only a limited number of posters (about 40) will be selected. The best poster of each session, as judged by an expert committee, will be awarded. **Accepted abstracts will be published in a special issue of the MDPI journal 'Pharmaceutics'**.

Sponsorship



Workshop general information

Workshop Venues

Thursday and Friday:

Città della Scienza - University of Catania

Via Simeto 23, Catania

How to reach: [CLICK HERE](#) 

Saturday:

Monastero dei Benedettini

Piazza Dante 32, Catania

How to reach: [CLICK HERE](#) 

Registration fees

€ 80 (CRS-Italy Chapter 2019 members)

€ 105 (not member, including CRS-Italy Chapter annual membership)

Organizing Secretariat - NEW AURAMEETING

E-mail: eventi@newaurameeting.it — via Rocca D'Anfo,7—20161 Milan I

Tel. +390266203390 — Fax: +390266200418

www.newaurameeting.it

Registration fee includes: admittance at workshop; lunch on 8th November and coffee breaks; social dinner on Friday evening.

Application must be completed before October 13, 2019. A link will be available soon at the address below of the organizing secretariat.

Official language

The official language of the Conference is English. No translation will be provided.

Accommodation

Special fares have been arranged with hotels and B&Bs in the city centre for participants. For further information please contact the Organizing Secretariat.