





1st SITELF National PhD summer school (XXIII ADRITELF National PhD school)

University of Pavia , 2 – 4 September 2024

New delivery strategies for therapeutics and vaccines to fight emerging infectious diseases.

Venue: University of Pavia historical buildings, Aula del'400, Piazza Leonardo Da Vinci, 6, 27100 Pavia

Monday September 2nd	
H 14.00	Registration
H14.15 – 14.30	PhD school opening
	Proff Paola Minghetti and Paolo Caliceti president
	and past president of SITELF
Н 14.30 – 15.00	Federico Forneris, Dept. Biology & Biotechnologies,
	Vice-Rector for Research, University of Pavia,
	President INFACT Foundation
H 15.00 – 15.30	Marco Terreni, Dept. Drug Sciences University of
	Pavia, coordinator of Immunohub project.
	Immuno-Hub. Development of vaccine and
	monoclonal antibodies for treatment of infective
	and cancer diseases: The case of glycoconjugate
	vaccine for TB
H 15.30- 16.00	Francesca Micoli
	Gsk Vaccine Institute for Global Health. Design of
	polysaccharide vaccines for low and middle income
	countries
H 16.00 – 16.30	Coffee break and Poster time
	Overcoming microbial barriers session
H 16.30 – 17.10	Claus-Michael Lehr, Helmholtz Centre for Infection
	Research, Saarland University, Saarbrücken,
	Germany. Overcoming microbial barriers and
	models for antimicrobial resistance.
H 17.10 – 17.50	Enrique Aleman Llanso, University politecnica
	Catalunia, Spain. Multi-responsive systems for
	controlled delivery
H 17.50 – 18.20	Irem Unalan, Institute of Biomaterials, University of
	Erlangen-Nuremberg, Germany, Recent Advances
	and Future Prospects of Essential Oils in Biomedical
	Applications
18.20 - 18.40	S.Giordano, SOTAX srl dissolution tester 4
SPONSOR Technical presentation	
SFONSOR reclinical presentation	
H 19.30	Welcome aperitif

perhaps 2 nd year PhD students) H 11.00 – 11.30 Coffee break and Poster time H 11.30 – 13.00 Oral presentations of 3 rd year PhD students (and perhaps 2 nd year PhD students) H 13.00 – 14,00 Light lunch Afternoon Polymers and nanosystems for drug delivery session H 14.00 – 14.40 Nicola Tirelli IT, Genova, Italy. A living microbe may be a foe, a dead one may be not. H 14.40 – 15.10 Iole Carafa, Dept. of Chemical & Pharmaceutical Sciences, University La Sapienza, Rome, Italy. New and well established nano-strategies for antimicrobial agents delivery 15.10 – 15.40 Roberta Cavalli, Department of Drug Science and Technology University of Torino, Italy, Cyclodextrin-based polymers in drug delivery 15.40 – 16.00 Alfa Test SPONSOR Technical presentation Manufacturing techniques session H 16.20 – 17.00 Dimitrios Lamprou, School of Pharmacy Queens University, Belfast, UK Emerging Technologies for Combatting Pandemics H 17.00 – 17.40 Paolo Gatti, Senior Vice President Head of Scientific Direction Evotec, Manufacturing of Lipid Nanoparticles H 17.40 – 18.20 Geraldine Piel, Dept. of Pharmaceutical Sciences University of Lipid Nanoparticles H 17.40 – 18.20 Summer school Gala dinner (poster awards?) Wednesday September 4 th RNA Therapeutics session
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H 9.00– 9.40 Stefano Salmaso, Department of Pharmaceutical
and Pharmacological Sciences University of Padova,
Italy. LNPs for RNA Delivery: are we at the summit
or do we have new heights to climb?
H 9.40– 10.20 Luigi Calzolai, European Commission, Joint
Research Center (JRC) Ispra, Varese, Italy. Quality
attributes of LNP-RNA systems
10.20 – 11.00 Adriele Prina Mello, Department of Clinical
Medicine Trinitiy College, Dublin, Ireland Can
analytical LNP-RNA QbD be an early pre-clinical
tool for translational success?
H 11.00 – 11.20 Coffee break
H 11.20 – 11.40 Alessandro Artioli, Fedegari Group srl, <i>Moist heat</i>
SPONSOR Technical presentation sterilization process development: a key element to
overcome challenges on Glass Pre-Filled Syringes
11.40 – 12.10 Nicolò Mauro, Department of Biological, Chemical
and Pharmaceutical Sciences and Technologies,
University of Palermo, Advancing Treatment of

	Macromolecular Conjugates: a strategy to
	repurpose common antibiotics
H 12.10 – 12.40	Umberto Musazzi, University of Milano, Italy,
	Regulatory aspects of oligonucleotides drugs
H 12.40 – 13.00	Paola Minghetti, University of Milano, Italy, Closing
	remarks

Organizing committee:

P. Minghetti, SITELF
P. Caliceti, SITELF
B. Conti, University of Pavia
S. Rossi, University of Pavia
M. Cr. Bonferoni, University of Pavia
G. Sandri, University of Pavia
I. Genta, University of Pavia
R. Dorati, University of Pavia
S. Perteghella, University of Pavia
M. Sorrenti, University of Pavia
L. Catenacci, University of Pavia
B. Vigani, University of Pavia
E. Chiesa, University of Pavia
S.Pisani, University of Pavia
M. Ruggeri, University of Pavia

Scientific committee:

P. Minghetti, SITELF
R. Aquino, SITELF
R. Bettini, SITELF
P. Blasi, SITELF
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