





## 1<sup>st</sup> 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 <sup>nd</sup> year PhD students)         H 11.00 – 11.30       Coffee break and Poster time         H 11.30 – 13.00       Oral presentations of 3 <sup>rd</sup> year PhD students (and perhaps 2 <sup>nd</sup> 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 <sup>th</sup> 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
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B. Conti, University of Pavia
S. Rossi, University of Pavia
M. Cr. Bonferoni, University of Pavia
G. Sandri, University of Pavia
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S. Perteghella, University of Pavia
M. Sorrenti, University of Pavia
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E. Chiesa, University of Pavia
S.Pisani, University of Pavia
M. Ruggeri, University of Pavia

## Scientific committee:

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P. Blasi, SITELF
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