

## MONDAY, September 18<sup>th</sup>, 2023

9:00-9:30	Registration
9:30 – 9:45	Welcome from the LIOS Director Osvalds Pugovics
9:45-10:10	<b>Emilio Parisini</b> Latvian Institute of Organic Synthesis, Riga, Latvia <i>"BioDrug: an ERA-chair story"</i>
10:10-10:40	<b>Luca Pellegrini</b> University of Cambridge, Cambridge - United Kingdom <i>"CryoEM insights into primer synthesis by the human primosome"</i>
10:40-11:10	<b>Marco Mazzorana</b> Diamond Light Source, Oxford - United Kingdom <i>"Improving reliability, accuracy and turnover of MX data collection campaigns"</i>
11:10-11:40	Coffee Break
11:40-12:10	<b>Alfonso T. Garcia-Sosa</b> University of Tartu, Tartu - Estonia <i>"Beyond protein structure prediction"</i>
12:10-12:40	<b>Isabel Uson-Finkenzeller</b> ICREA at IBMB CSIC, Barcelona - Spain <i>"Predictions and experiments in structure determination: ARCIMBOLDO and VAIRO"</i>
12:40-14:15	Lunch break and networking (poster session)
14:15-14:45	<b>Carlo Matera</b> University of Milan, Milan – Italy <i>"Photoswitchable Molecular Tools: Applications to Enzymes, GPCRs and Ion Channels"</i>
14:45-15:15	<b>Galyna Maleeva</b> Institute of Bioengineering of Catalonia IBEC, Barcelona – Spain <i>"Photopharmacology for the control of the neuronal activity"</i>
15:15-15:45	<b>Francesco Calzaferri</b> Institut des Biomolécules Max Mousseron CNRS, Montpellier - France <i>"Novel strategies to target epigenetic mechanisms for cancer treatment: from rational compound optimisation to PROTAC development"</i>
15:45-16:30	<b>Short talks</b> (10' each):

	<p><b>Nikhil Agrawal:</b> “A coarse-grained molecular dynamics investigation on spontaneous binding of A<math>\beta</math>1–40 fibrils with cholesterol-mixed DPPC bilayers” (Poster n 1)</p> <p><b>Kristīne Krūkle-Bērziņa:</b> “Cyclodextrin Metal organic frameworks as a drug delivery system for selected pharmaceutical active ingredients” (Poster n 10)</p> <p><b>Pilar M. Luque Navarro:</b> “Sulphur bioisosterism exerts different antiplasmodial responses” (Poster n 11)</p> <p><b>Karlis Pleiko:</b> “Targeting triple-negative breast cancer cells with a <math>\beta</math>1-integrin binding aptamer” (Poster n 15)</p>
16:30-18:30	Networking & <b>poster session</b> & coffee
19:30	<b>Conference Dinner</b>

## TUESDAY, September 19<sup>th</sup>, 2023

9:00	Registration
9:30-10:00	<b>Alfonso Gautieri</b> Politecnico di Milano, Milan - Italy <i>"Computer aided redesign of deglycating enzymes for therapeutic and diagnostic applications"</i>
10:00-10:30	<b>Rob Meijers</b> Institute for Protein Innovation, Boston – USA <i>"Generating synthetic antibodies for the human surfaceome at the Institute for Protein Innovation"</i>
10:30-11:00	<b>Piermichele Kobauri</b> Aqemia, Paris - France <i>"Rational Design of Light-Controlled Bioactive Compounds for Photopharmacology"</i>
11:00-11:30	Coffee Break
11:30-12:00	<b>Elena Ishow</b> University of Nantes, Nantes – France <i>"Photoactive organic nanoparticles as versatile tools for theranostics"</i>
12:00-12:30	<b>Silvia Giordani</b> Dublin City University, Dublin – Ireland <i>"Carbon nano-onions for biomedical applications"</i>
12:30	Poster Prizes – Closing remarks
12:45	Lunch
14:00	Visit to LIOS (for registered participants)