XXIX SIBPA–IVSLA International School of Pure and Applied Biophysics

Bio-MEMOS

Biomimetic models for exploring membrane biophysical properties in health and disease

Venice
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LIST OF POSTERS:

28th January session	30th January session
Lakshmi Kumar Kunche "Exploring Bradykinin Peptide Adsorption on Extracellular Lipid Membranes via Gaussian-Accelerated Molecular Dynamics Simulations"	David Noel Zimmer "Ionizable Cationic Lipids and Helper Lipids Synergistically Contribute to RNA Packing and Protection in Lipid-Based Nanomaterials"
Selene Tassoni "A study on the influence of biomolecular corona on extracellular vesicle uptake in human cells"	Marta Gambirasi "PLGA/PVA nanoparticles for the oral delivery of the anti-tumor vaccine glypican-1-flagellin"
Ana Svetic "From Liposome Fusion to Giant Plasma Membrane Vesicle Supported Plasma Membrane Models: Platforms to Study Extracellular Vesicle Internalization Dynamics in Breast Cancer"	Mikhalina Zaborowska-Mazurkiewicz "Unlocking New Horizons in Gastrointestinal Therapy: The Langmuir Method in the Search for New Potential Drugs for Inflammatory Diseases.""
Beatrice Leonardini "Physical determinants of nanoparticle-mediated lipid membrane fusion"	Clement Marque "Diffusion of a single colloid on the surface of a giant vesicle and a droplet"
Lorenzo Dal Fabbro "Development of a metal nanoparticle for theranostic: why we need lipids?"	Francesca Speranza "Structural-based antiflaviviruses drug discovery and delivery system optimization"
Federico Carneri "Water-membrane partition and the mutant selection window of antimicrobial peptides: insights from liposome studies"	Alam Alamri "Creating Tailorable Substrates to Investigate the Effect of Nano Curvature on Bio-Membrane Properties."
Davide Ferrario "Innovative Design of Raft-like Nano-sized Liposomes for Targeted Nucleic Acid Delivery"	Sonia Cambiaso "In silico study of the effect of asymmetry on extra-cellular vesicle membranes"
Michela Patrucco "Design of Metastatic-Derived Hybrid Liposomes for brain drug delivery"	Caterina Medeot "Influence of Hyaluronic Acid on mechanical properties of 3D bioprinted hydrogels"
Anastasia Murmiliuk "Decoding the Structure of Drug Loaded Silk Fibroin Nanoparticles Surrounded by a Complex Lipid Shell"	Luca Puricelli "Exploring cholesterol's role in Lipid Rafts formation and cell membrane properties through Supported Lipid Bilayers""
Thomas Dartige "Colloid-membrane interactions inside and outside vesicles"	Saana Vihuri "Computational study of TrkB TMD"
Filip Ayazi "Automated High-Throughput Flickering Spectroscopy of Red Blood Cells"	Tsague Diffo Ottis. "3D bioprinting of polymer-based structures for organoids and cellular systems"
Concetta Santangelo "Differential Dynamic Microscopy as a new tool to investigate lipid aggregates interaction".	Irene Cadenelli "Toward Membrane-Associated Toxicity in Silico Studies: A Foldable Coarse-Grained Model for Aβ Peptides"
Guillaume Gilliard "Structural profiling of breast cancer extracellular vesicles and their interaction with lipid membrane models"	Yulia Fok "Effects of microbial glycolipids on phospholipid membranes using atomic force microscopy."