

Wednesday, 25 de February		
8:00 – 10:00	Registration	
10:00 – 10:15	Opening	
Chair	Sergio Moya	
10:15 - 11:00	Horacio Cabral <i>Plenary Lecture</i>	<i>Nanomedicine Strategies for Targeted Cancer Immunotherapy</i>
11:00 - 11:30	Coffee Break	
11:30 – 11:55	Gabriela Romero <i>Keynote Session</i>	<i>Amino-Acid–Based Block Copolymers as Artificial Viruses for Brain Gene Editing</i>
11:55 – 12:20	Nicola Toschi <i>Keynote Session</i>	<i>Foundation Models for Chemistry and Atoms: Toward AI-Guided Design of Self-Assembled Hybrid Nanomaterials</i>
12:20 – 12:45	Alejandro Sosnik <i>Keynote Session</i>	<i>Engineering Self-Assembled Systems for Precision Therapeutics</i>
12:45 - 14:00	Lunch	
Chair	Horacio Cabral	
14:00 – 14:45	Twan Lammers <i>Plenary Lecture</i>	<i>Smart Strategies to Promote Cancer Nanomedicine Performance and Clinical Translation</i>
14:45 – 15:10	Frederico Pittella <i>Keynote Session</i>	<i>RNAi Therapy in Cancer: Strategies for the Development of siRNA Nanocarriers</i>
15:10 – 15:35	Chie Kojima <i>Keynote Session</i>	<i>Applications of Anionic-Terminal Phe-Modified Dendrimers to Drug Delivery into Lymph Nodes and their T Cells</i>
15:35 – 16:00	Hans Bäumler <i>Keynote Session</i>	<i>Functionalization of Hemoglobin Microparticles as Drug Carriers for Effective Cancer Cell Targeting</i>
16:00 – 16:30	Coffee Break	
16:30 – 16:55	Diego Cattoni <i>Keynote Session</i>	<i>Interfacing Living Medicines with Soft Matter: Biopolymer-Engineered Bacteria for Precision Cancer Therapy</i>
16:55 – 17:20	Richard Murray <i>Keynote Session</i>	<i>Publishing in the Advanced Portfolio</i>
17:20 – 18:05	Vincenzo Cerullo <i>Plenary Lecture</i>	<i>PeptiCRAd: From Lab Discovery to the Clinic, a Highly Customizable Platform for Personalized Cancer Vaccine</i>
18:05 – 18:40	Flash Session	
18:40 – 19:40	Poster Session 1	

Thursday, 26 de February		
Chair	Radostina Georgieva	
9:00 – 9:45	Aitziber Cortajarena <i>Plenary Lecture</i>	<i>Engineering Protein-Based Hybrid Composites and Self-assembled Biomaterials for Advanced Nanomedicine and Bioelectronics</i>
9:45 – 10:10	Ali Miserez <i>Keynote Session</i>	<i>Phase-Separating Peptides as a Universal Platform for Intracellular Delivery of Macromolecular Therapeutics</i>
10:10 – 10:35	Beatriz G. de la Torre <i>Keynote Session</i>	<i>Self-Assembly of Cell-Penetrating Lipo-Peptides into Functional Nanostructures for Drug Delivery</i>
10:35 - 11:00	Kitipong Assatarakul <i>Keynote Session</i>	<i>Development of FOS- and Antioxidant-Rich Functional Durian Powder by Enzymatic Treatment and Encapsulation</i>
11:00 - 11:30	Coffee Break	
11:30 – 11:55	Primana Punnaikashem <i>Keynote Session</i>	<i>Multifunctional Nanomedicine for Brain Metastases and Primary Brain Cancer: Blood–Brain Barrier Penetration and Macrophage Repolarization</i>
11:55 – 12:20	Marco Monopoli <i>Keynote Session</i>	<i>Understanding the Nanomaterial Interaction with Biomolecules, a Journey from Safety to Applications in Nanomedicine</i>

12:20 – 12:45	Kaori Sugihara <i>Keynote Session</i>	<i>Peptide cooperative effects towards the development of new antimicrobial agents</i>
12:45 - 14:15	Lunch	
Chair	Sergio Moya	
14:15 – 15:00	Raffaele Mezzenga <i>Plenary Lecture</i>	<i>Amyloid Fibrils as Functional Ingredients for Human Nutrition and Nanomedicine</i>
15:00 – 15:25	Luai Khoury <i>Keynote Session</i>	<i>When Proteins Become Machines: Self-Assembled Hybrid Materials for Autonomous Therapeutic Systems</i>
15:25 – 16:30	Oral Presentations	
16:30 – 17:00	Coffee Break	
17:00 – 17:25	Chanchai Boonla <i>Keynote Session</i>	<i>Designing and Testing Protein Nanocarrier Platform for Targeted Cancer Therapy</i>
17:25 – 17:50	Akira Matsumoto <i>Keynote Session</i>	<i>Crafting Molecular Precision: Designer Boronolactins in Polymer Bioengineering</i>
17:50 – 18:30	Flash Session	
18:30 – 19:30	Poster Session 2	
20.30 – 22:30	Dinner	

Friday, 27 de February		
Chair	Horacio Cabral	
9:00 – 9:45	Changyou Gao <i>Plenary Lecture</i>	<i>Inflammation-modulating nanomaterials for tissue repair and regeneration</i>
9:45 – 10:10	Guocheng Wang <i>Keynote Session</i>	<i>Nanointerfacial Engineering on Biomaterial Surfaces and Their Biomedical Applications</i>
10:10 - 10:35	Gustavo Abraham <i>Keynote Session</i>	<i>Advances and Challenges in Electrospun Nanofibers for Therapeutic Agent Delivery</i>
10:35- 11:00	Coffee Break	
11:00 – 11:25	Nicolas Muzzio <i>Keynote Session</i>	<i>Engineering Polymer Interfaces to Guide Cell Behavior</i>
11:25 – 11:50	Ning Gao <i>Keynote Session</i>	<i>Metabolic Regulation of BMSCs by NAD⁺ Drives the Transition from Anti-inflammatory to Osteogenic Function for Bone Regeneration</i>
11:50 – 12:15		
12:15 - 14:00	Lunch	
Chair	Radostina Georgieva	
14:00 – 14:45	Ravin Narain <i>Plenary Lecture</i>	<i>Enhancing Nucleic Acid Stability and Delivery using Glycopolymer and Biopolymer-based Nanoformulations</i>
14:45 – 15:10	Marco Marradi <i>Keynote Session</i>	<i>Hybrid Glyco-Gold Nanoparticles Displaying Multivalent Iminosugars as Modulators of the Lysosomal Enzyme Gcase</i>
15:10 – 15:35	Nongnuj Muangsin <i>Keynote Session</i>	<i>Zwitterionic Quaternized Hyaluronate Self-Assembly for Enhanced Cellular Uptake in Drug Delivery</i>
15:35 – 16:35	Oral Presentations	
16:35 – 17:00	Coffee Break	
17:00 – 17:25	Danijela Gregurec <i>Keynote Session</i>	<i>Physical Transduction Pathways in Magnetic Nanomaterials for Wireless Neuromodulation</i>
17:25 – 17:50	Alberto Perna <i>Keynote Session</i>	<i>Self-Assembled Antifouling Coatings and Functional Electrode Interfaces for High-Density Neural Probes</i>
17:50 – 18:15	Graciela Calabrese <i>Keynote Session</i>	<i>Polyelectrolyte complex nanomaterials. From extracellular matrix to cancer stem cells</i>
18:15 – 19:00	Closing Remarks	