

## Wednesday, February 25, 2026

8:00 – 10:00	Registration	
10:00 – 10:15	Opening	
Chair	Sergio Moya	
10:15 - 11:00	<b>Twan Lammers</b> Plenary Lecture	<i>Smart Strategies to Promote Cancer Nanomedicine Performance and Clinical Translation</i>
11:00 - 11:30	Coffee Break	
11:30 – 11:55	<b>Gabriela Romero</b> Keynote Session	<i>Amino-Acid-Based Block Copolymers as Artificial Viruses for Brain Gene Editing</i>
11:55 – 12:20	<b>Nicola Toschi</b> Keynote Session	<i>Foundation Models for Chemistry and Atoms: Toward AI-Guided Design of Self-Assembled Hybrid Nanomaterials</i>
12:20 – 12:45	<b>Alejandro Sosnik</b> Keynote Session	<i>Engineering Self-Assembled Systems for Precision Therapeutics</i>
12:45 - 14:00	Lunch at the conference venue	
Chair	Horacio Cabral	
14:00 – 14:45	<b>Horacio Cabral</b> Plenary Lecture	<i>Nanomedicine Strategies for Targeted Cancer Immunotherapy</i>
14:45 – 15:10	<b>Frederico Pittella</b> Keynote Session	<i>RNAi Therapy in Cancer: Strategies for the Development of siRNA Nanocarriers</i>
15:10 – 15:35	<b>Chie Kojima</b> Keynote Session	<i>Applications of Anionic-Terminal Phe-Modified Dendrimers to Drug Delivery into Lymph Nodes and their T Cells</i>
15:35 – 16:00	<b>Hans Bäumler</b> Keynote Session	<i>Functionalization of Hemoglobin Microparticles as Drug Carriers for Effective Cancer Cell Targeting</i>
16:00 – 16:30	Coffee Break	
16:30 – 16:55	<b>Diego Cattoni</b> Keynote Session	<i>Interfacing Living Medicines with Soft Matter: Biopolymer-Engineered Bacteria for Precision Cancer Therapy</i>
16:55 – 17:40	<b>Vincenzo Cerullo</b> Plenary Lecture	<i>PeptiCRAd: From Lab Discovery to the Clinic, a Highly Customizable Platform for Personalized Cancer Vaccine</i>
17:40 – 17:55	<b>Arthur Gaveau</b> Oral contribution	<i>The 3D-RCPG Project: A Strategic Opportunity for Quality Control of Membrane Receptors and the Future of Medicine</i>
17:55 – 18:30	<b>Flash Session</b> Dhiraj Mishra, Lijiu Ma, Livia do Nascimento Grossi, Francesca Milano, Miao Fu	
18:30 – 19:30	<b>Poster Session 1 with Drinks Reception</b>	

## Thursday, February 26, 2026

Chair	Radostina Georgieva	
9:00 – 9:45	<b>Aitziber Cortajarena</b> <i>Plenary Lecture</i>	<i>Engineering Protein-Based Hybrid Composites and Self-assembled Biomaterials for Advanced Nanomedicine and Bioelectronics</i>
9:45 – 10:10	<b>Ali Miserez</b> <i>Keynote Session</i>	<i>Phase-Separating Peptides as a Universal Platform for Intracellular Delivery of Macromolecular Therapeutics</i>
10:10 – 10:35	<b>Beatriz G. de la Torre</b> <i>Keynote Session</i>	<i>Self-Assembly of Cell-Penetrating Lipo-Peptides into Functional Nanostructures for Drug Delivery</i>
10:35 - 11:00	<b>Kitipong Assatarakul</b> <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	<b>Primana Punnakitikashem</b> <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	<b>Marco Monopoli</b> <i>Keynote Session</i>	<i>Understanding the Nanomaterial Interaction with Biomolecules, a Journey from Safety to Applications in Nanomedicine</i>
12:20 – 12:45	<b>Kaori Sugihara</b> <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	<b>Raffaele Mezzenga</b> <i>Plenary Lecture</i>	<i>Amyloid Fibrils as Functional Ingredients for Human Nutrition and Nanomedicine</i>
15:00 – 15:25	<b>Luai Khoury</b> <i>Keynote Session</i>	<i>When Proteins Become Machines: Self-Assembled Hybrid Materials for Autonomous Therapeutic Systems</i>
15:25 – 15:40	<b>Pamina M. Winkler</b> <i>Oral contribution</i>	<i>Small Molecules, Big Impact: Quantifying the Influence of Amino Acids on Protein Interactions</i>
15:40 – 15:55	<b>Xiwen Chen</b> <i>Oral contribution</i>	<i>Engineering Hybrid Polymeric Gd<sub>2</sub>O<sub>3</sub> Nanoparticles for Tumor-Targeted Neutron Capture Therapy</i>
15:55 – 16:10	<b>Pengwen Chen</b> <i>Oral contribution</i>	<i>Optoregulation of Pleiotropic Immune Signaling via Pinpoint mRNA Delivery for Tumor-Targeted Therapy</i>
16:10 – 16:25	<b>Camila Quinetti Paes Pittella</b> <i>Oral contribution</i>	<i>Poly-L-Lysine–Cholesterol Functionalization of Bacterial Nanocellulose Membrane Through Self-Assembly for Skin Tissue Regeneration</i>
16:25 – 17:00	Coffee Break	
17:00 – 17:25	<b>Chanchai Boonla</b> <i>Keynote Session</i>	<i>Designing and Testing Protein Nanocarrier Platform for Targeted Cancer Therapy</i>
17:25 – 17:50	<b>Akira Matsumoto</b> <i>Keynote Session</i>	<i>Crafting Molecular Precision: Designer Boronolectins in Polymer Bioengineering</i>
17:50 – 18:30	Flash Session Riho Fujikura, Shota Michida, Nanaka Takeuchi, Franziska Wasner, Eduardo Martinez	
18:30 – 19:30	Poster Session 2 with Drinks Reception	
20.30 – 22:30	Dinner at “El Vaskito”	

## Friday, February 27, 2026

Chair	Horacio Cabral	
9:00 – 9:45	<b>Changyou Gao</b> <i>Plenary Lecture</i>	<i>Inflammation-modulating nanomaterials for tissue repair and regeneration</i>
9:45 – 10:10	<b>Guocheng Wang</b> <i>Keynote Session</i>	<i>Nanointerfacial Engineering on Biomaterial Surfaces and Their Biomedical Applications</i>
10:10 - 10:35	<b>Gustavo Abraham</b> <i>Keynote Session</i>	<i>Advances and Challenges in Electrospun Nanofibers for Therapeutic Agent Delivery</i>
10:35- 11:00	<b>Graciela Calabrese</b> <i>Keynote Session</i>	<i>Polyelectrolyte complex nanomaterials. From extracellular matrix to cancer stem cells</i>
11:00- 11:30	Coffee Break	
11:30 – 11:55	<b>Nicolas Muzzio</b> <i>Keynote Session</i>	<i>Engineering Polymer Interfaces to Guide Cell Behavior</i>
11:55 – 12:20	<b>Ning Gao</b> <i>Keynote Session</i>	<i>Metabolic Regulation of BMSCs by NAD<sup>+</sup> Drives the Transition from Anti-inflammatory to Osteogenic Function for Bone Regeneration</i>
12:20 – 12:45	<b>Richard Murray</b> <i>Keynote Session</i>	<i>Publishing in the Advanced Portfolio</i>
12:45 - 14:00	Lunch at the conference venue	
Chair	Radostina Georgieva	
14:00 – 14:45	<b>Ravin Narain</b> <i>Plenary Lecture</i>	<i>Enhancing Nucleic Acid Stability and Delivery using Glycopolymers and Biopolymer-based Nanoformulations</i>
14:45 – 15:10	<b>Marco Marradi</b> <i>Keynote Session</i>	<i>Hybrid Glyco-Gold Nanoparticles Displaying Multivalent Iminosugars as Modulators of the Lysosomal Enzyme Gcase</i>
15:10 – 15:35	<b>Nongnuj Muangsin</b> <i>Keynote Session</i>	<i>Zwitterionic Quaternized Hyaluronate Self-Assembly for Enhanced Cellular Uptake in Drug Delivery</i>
15:35 – 15:50	<b>Tamara Dacoba</b> <i>Oral contribution</i>	<i>Nanoparticle Surface Chemistry Determines Protein Corona Formation</i>
15:50 – 16:05	<b>Alexander Bittner</b> <i>Oral contribution</i>	<i>Thin Water Layers on a Virus - AFM and Neutron Reflectometry</i>
16:05 – 16:20	<b>Lydia Martínez-Parrá</b> <i>Oral contribution</i>	<i>Electrostatic Modulation in Self-Assembled Peptide Systems for Neural Cell Fate</i>
16:20 – 16:35	<b>Ane Escobar</b> <i>Oral contribution</i>	<i>Membrane-Targeted Metallic Nanoparticles Photomodulate Neuronal Activity</i>
16:35 – 17:00	Coffee Break	
17:00 – 17:25	<b>Danijela Gregurec</b> <i>Keynote Session</i>	<i>Physical Transduction Pathways in Magnetic Nanomaterials for Wireless Neuromodulation</i>
17:25 – 17:50	<b>Alberto Perna</b> <i>Keynote Session</i>	<i>Self-Assembled Antifouling Coatings and Functional Electrode Interfaces for High-Density Neural Probes</i>
17:50 – 18:10	<b>Closing Remarks</b>	