

October 1st 2026

12:00 – 13:00	Registration
13:00 – 13:10	Opening Sessions: Overview of the CRS BeNeLux & France activities <i>Giovanna Lollo, President of the CRS BeNeLux & France</i>
Session 1: Advanced Nanomedicine for Cancer Imaging and Therapy	
13:10 – 13:40	Plenary Lecture: “Defining nanoparticles for theranostic applications in preclinical models of cancers” <i>Jean-Luc Coll, University of Grenoble Alpes, France</i>
13:40 – 13:55	<i>Priusha Ravipati, University of Lyon, France</i> Novel Ultrasmall Tungsten Contrast Agent for Spectral Photon Counting CT imaging
13:55 – 14:10	<i>Zeineb Ayed, University of Grenoble Alpes, France</i> Engineering Cationic Gold Nanoclusters for NIR-I/NIR-II Trackable siRNA Delivery
14:10 – 14:25	<i>Roberta Stacchini, Aix-Marseille University, France</i> Understanding and targeting the post-surgical glioblastoma microenvironment to prevent recurrence
14:25 – 14:40	<i>Elise Lepeltier, University of Angers, France</i> Self-assemblies from prodrugs composed of conventional anticancer drugs and antimicrobial peptides: a revolution in local cancer treatment, with microbiota as a main actor
14:40 – 15:10	Gold Sponsor Presentations <i>Malvern Panalytical</i> <i>Particle Metrix GmbH</i>
15:10 – 15:45	Coffee Break, Poster viewing & Networking



Session 2: Roundtable: Translational aspects of novel pharmaceuticals	
15:45 – 16:45	Maria Teresa Peracchia Global Head of CMC Strategy & Execution Sanofi mRNA excellence Center, France sanofi Alexandre Ceccaldi General Secretary European Technology Platform of Nanomedicine (ETPN) nanomedicine Agnès Bernet Professor, University of Lyon, France CSO - Netris Pharma, Lyon, France NETRIS Pharma Sarah Braet Business Developer Ghent University, Belgium CRIG François Lux Professor, Vice President Innovation and Technology Transfer University of Lyon, France Naoual Bakrin MD, PhD Hospices Civils de Lyon (HCL), France HCL

Session 3: Nanomedicine for Cancer Vaccination and Immunotherapy		
16:45 – 17:15	Plenary Lecture: “Commanders of Immunity: Dendritic cells against cancer” Damya Laoui , VIB, Ghent Vaccine, Belgium	
17:15 – 17:30	Felicia Spitzer , Leiden University Medical Center, The Netherlands Cationic liposomal neoepitope peptide vaccination induces superior tumor control in a personalized colorectal cancer model	
17:30 – 17:45	Hugo Magdalena , University of Liege, Belgium Scale-Up of Supercritical CO ₂ PGSS Processing for Liposome Production: A QbD Approach for Robust and Solvent-Free Manufacturing	
17:45 – 18:00	Gold Sponsor Presentation NanoFCM	
18:00 – 18:10	Silver Sponsor Flash talks Synersy Cordouan Technologies	
19:30– 23:00	Gala dinner Marguerite – Bocuse 57 avenue des Frères Lumière, 69008 Lyon	

October 2nd 2026

08:30 – 9:00	PhD Award Oral Talk
Session 4: Nanomedicine and Biomaterials for Immune Engineering	
09:00 – 09:30	Plenary Lecture: “Engineering innate and adaptive immunity with synthetic biomaterials” <i>Bruno de Geest, Ghent University, Belgium</i> <i>Claire Monge, CNRS Lyon, France</i>
09:30 – 09:45	Sublingual vaccination by chitosan-based patch protected aged mice from influenza virus infection
09:45 – 10:15	Plenary Lecture: “Transforming Therapeutics Through Nanomedicine” <i>Maria Jose Alonso, University of Santiago de Compostela, Spain</i>
10:15 – 10:30	Silver Sponsor Presentation <i>Unchained Labs</i> 
10:30 – 11:00	Coffee Break, Poster viewing & Networking
Session 5: From Biomaterials to LNPs: Emerging Strategies for Nucleic Acid Delivery	
11:00 – 11:30	Plenary Lecture: “Hydrogels for Tissue Engineering and local siRNA delivery” <i>Tina Vermonden, Utrecht University, The Netherlands</i> <i>Fabrice Brunel, University of Lyon, France</i>
11:30 – 11:45	Synchrotron SAXS for Structural Characterization of Lipid Nanoparticles: From Global Morphology to Internal Organization
11:45 – 12:00	<i>Mariana Hugo Silva, Ghent University, Belgium</i> Unraveling Stress-Induced Structural Changes in mRNA-LNPs Through Orthogonal Characterization
12:00 – 12:15	<i>Mathieu Repellin, University of Lyon, France</i> Lipid nanoparticles for efficient nucleic acid delivery to reverse the splicing skeletal muscle defects in Myotonic Dystrophy Type 1
12:15 – 12:30	<i>Simone Carneiro, LMU Munich, Germany</i> Pulmonary Delivery of Lipid Nanoparticles for KRAS G12S Gene Editing in Lung Cancer
12:30 – 12:45	Silver Sponsor Presentations <i>MedChemExpress</i> <i>Genscript</i> <i>IZON</i> 
12:45 – 14:00	Lunch, Poster viewing & Networking
Session 6: AI-Driven Design and Prediction in Nanomedicine	
14:00 – 14:30	Plenary Lecture: “Machine Learning-Informed Nano Co-Assembly Inhibits Fibroblast Activation Protein and Improves Drug Delivery in Fibrotic Tissue” <i>Helder Santos, University Medical Center Groningen, The Netherlands</i> <i>Yeter Dilek, University Medical Center Utrecht, The Netherlands</i>
14:30 – 14:45	Application of machine learning for the prediction of drug release profiles from microspheres under in vivo-like conditions
14:45 – 15:00	<i>Doron Grossman, Living Materials, Lyon, France</i> Predicting Supramolecular Shape from Molecular Design: Toward a Physical Framework for Controlled-Release Architectures
15:00 – 15:15	<i>Anne Rodallec, Aix-Marseille University, France</i> Predicting Intratumoral Drug Delivery from Limited Experimental Data: A Model Informed Framework for Antibody–Nanoconjugates

15:15 – 15:30	Muhammad Saif Ur Rehman Babar , <i>University of Granada, Spain</i> Explainable AI-Guided Prediction of Lipid Nanoparticle Formulations for mRNA Delivery Optimization
15:30 – 16:00	Coffee Break, Poster viewing & Networking Meeting of Poster Judges
Session 7: Targeted drug activation and delivery	
16:00 – 16:30	Plenary Lecture: "Subcutaneous administration of antibody-drug conjugates" Alexandre Detappe , <i>ICANS, Strasbourg University/Goustave Roussy Paris University, France</i> Chiara De Soricellis , <i>University of Salerno, Italy</i>
16:30 – 16:45	PLGA Nanoparticles in Microparticles (NiMs): Toward an In Situ Gelling Powder Platform for Advanced Wound Dressings
16:45 – 17:00	Nazareth Carigga Gutierrez , <i>Grenoble Alpes University, France</i> Unravelling photodynamic modulation of pancreatic tumor structure and permeability using liposomal verteporfin
17:00 – 17:15	Maria Lobita , <i>Groningen University, The Netherlands</i> Metal-Organic Framework Nanoparticle-Enabled Dissolving Microneedles for Macrophage Immunomodulation: In vitro and Zebrafish Studies
17:15 – 17:30	Giuseppina Catania , <i>University of Lyon, France</i> Anticancer efficacy of locally administered DACHPt NPs on syngeneic colorectal cancer-derived peritoneal carcinomatosis mouse model
17:30 – 17:45	Helene Lefevre , <i>Clermont Auvergne University, France</i> Engineering a tablet-in-tablet dosage form activated by the gut microbiota for colon targeting
17:45 – 18:30	Meeting of Oral Presentations and Poster Prize Judges Closing session: open discussion and awards ceremony

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