

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 <i>Roberta Stacchini, Aix-Marseille University, France</i>
14:10 – 14:25	Understanding and targeting the post-surgical glioblastoma microenvironment to prevent recurrence
14:25 – 14:55	Gold Sponsor Presentations <i>Malvern Panalytical</i> <i>Particle Metrix GmbH</i> 
14:55 – 15:30	Coffee Break, Poster viewing & Networking
Session 2: Translational aspects of novel pharmaceuticals	
16:30 – 16:45	<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
15:45 – 16:00	<i>Hugo Magdalena, University of Liege, Belgium</i> Scale-Up of Supercritical CO ₂ PGSS Processing for Liposome Production: A QbD Approach for Robust and Solvent-Free Manufacturing
16:00 – 17:00	Round table: “Translational aspects of novel pharmaceuticals” 

17:00 – 17:20	Coffee Break, Poster viewing & Networking	
	Session 3: Nanomedicine for Cancer Vaccination and Immunotherapy	
17:20 – 17:50	Plenary Lecture: “Commanders of Immunity: Dendritic cells against cancer” Damya Laoui , VIB, Ghent Vaccine, Belgium Felicia Spitzer , Leiden University Medical Center, The Netherlands	
17:50 – 18:05	Cationic liposomal neoepitope peptide vaccination induces superior tumor control in a personalized colorectal cancer model	
18:05 – 18:20	Gold Sponsor Presentation NanoFCM	
18 :20-18 :30	Silver Sponser Flash talks Synergy 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 <i>Mariana Hugo Silva, Ghent University, Belgium</i>
11:45 – 12:00	Unraveling Stress-Induced Structural Changes in mRNA-LNPs Through Orthogonal Characterization <i>Mathieu Repellin, University of Lyon, France</i>
12:00 – 12:15	Lipid nanoparticles for efficient nucleic acid delivery to reverse the splicing skeletal muscle defects in Myotonic Dystrophy Type 1 <i>Simone Carneiro, LMU Munich, Germany</i>
12:15 – 12:30	Pulmonary Delivery of Lipid Nanoparticles for KRAS G12S Gene Editing in Lung Cancer Silver Sponsor Presentations <i>MedChemExpress</i> <i>Genscript</i> <i>IZON</i> 
12:30 – 12:45	
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 <i>Doron Grossman, Living Materials, Lyon, France</i>
14:45– 15:00	Predicting Supramolecular Shape from Molecular Design: Toward a Physical Framework for Controlled-Release Architectures <i>Anne Rodallec, Aix-Marseille University, France</i>
15:00 – 15:15	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 Nazareth Carigga Gutierrez , <i>Grenoble Alpes University, France</i>
16:45 – 17:00	Unravelling photodynamic modulation of pancreatic tumor structure and permeability using liposomal verteporfin Maria Lobita , <i>Groningen University, The Netherlands</i>
17:00 – 17:15	Metal-Organic Framework Nanoparticle-Enabled Dissolving Microneedles for Macrophage Immunomodulation: In vitro and Zebrafish Studies Giuseppina Catania , <i>University of Lyon, France</i>
17:15 – 17:30	Anticancer efficacy of locally administered DACHPt NPs on syngeneic colorectal cancer-derived peritoneal carcinomatosis mouse model Helene Lefevre , <i>Clermont Auvergne University, France</i>
17:30 – 17:45	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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