TENTATIVE PROGRAM

Last Update - November 16, 2026

Tuesday December 01, 2026

08:00-08:45	**Registration**	
08:45-09:00	**Opening Ceremony**	
09:00-09:30	**Ramón Álvarez Puebla** (URV/ICREA, Spain) From Hot Spots to Chemical Sensing	K
09:30-09:50	**Jörg Opitz** (Fraunhofer-Institut für Keramische Technologien und Systeme IKTS, Germany) Functional nanodiamonds for bio interfaces and nanomedicine: from surface engineering to sensing and implant applications	I
09:50-10:05	**Petr Henke** (UCT Prague, Czech Republic) Functionalized SnO2 Thin Films for Biosensing of Lectins	O
10:05-10:20	**Irving Brian Becerril Castro** (Universitat Rovira i Virgili, Spain) Optical Detection of Metal Ions Using Ion-Selective Dyes within MOF-Coated Plasmonic Microbeads	O
10:20-10:35	**Irene Calderón González** (Universitat Rovira i Virgili, Spain) SERRS probe for simultaneous detection of iron and pH variations in complex media	O
10:35-11:20	**Coffee Break, Poster Session & Exhibition**	
11:20-11:50	**Marcelo Kogan** (University of Chile, Chile) Multifunctional nanosystems for theranostics of Chronic diseases	K
11:50-12:10	**Andreia Magalhães** (INL, Portugal) Magnetic Nanoparticles for Cancer Immunotherapy: From siRNA Delivery to Advanced Melanoma Models	I
12:10-12:30	**Speaker to be defined**	I
12:30-12:45	**Speaker to be defined**	O
12:45-13:00	**Speaker to be defined**	O
13:00-13:30	**Round table**	
13:30-14:30	**Cocktail Lunch - Poster Session & Exhibition**	
14:30-15:00	**Poster Session**	
15:00-15:30	**Maurizio Prato** (CIC biomaGUNE, Spain) Rewiring the Injured Spinal Cord with Carbon Nanotubes	K
15:30-16:00	**Artur Pinto** (University of Porto, Portugal) 2D Nanomaterials for LED-Activated Cancer Therapy: From Material Design to Translational Platforms	K
16:00-16:20	**Giacomo Reina** (Empa, Switzerland) Light-activated vanadium carbide MXene nanozymes as an adjuvant phototherapy for glioblastoma: from patient-derived spheroids to a perfused GBM-on-a-chip	I
16:20-16:40	**Viktoriia Korniienko** (University of Latvia, Latvia) Rethinking MXenes as antibacterial materials: from pristine nanosheets to smart therapeutic platforms	I
16:40-16:55	**Siddika Mertdinc Ulkuseven** (Istanbul Technical University, Turkey) Graphene encapsulation of Fe-Zn nanoparticles using chemical vapor deposition	O
16:55-17:30	**Coffee Break, Poster Session & Exhibition**	
17:30-17:50	**Elena Del Corro** (ICN2, Spain) Self-powered implantable neural interfaces integrating triboelectric and graphene technologies for advanced neuromodulation therapies	I
17:50-18:10	**Anton Guimerà Brunet** (IMB-CNM/CSIC, Spain) Graphene-Based Bidirectional Neural Interfaces for Full-Bandwidth Brain Monitoring	I
20:30	**Conference Dinner**	

Wednesday December 02, 2026

09:00-09:20	**Raj Kumar** (University of Petroleum and Energy Studies (UPES), India) Development of Nanocarriers for Co-Delivery of Drug and Gene for Effective Therapeutic Applications	I
09:20-09:35	**Ahlam Oulad Ali** (Universitat Rovira i Virgili, Spain) Spray-dried chitosan microparticles for drug delivery applications	O
09:35-09:50	**Neda Akhlaghi** (Liver Unit Vall d'Hebron Institut de Recerca, Spain) Chondroitin sulfate-functionalized Simvastatin-loaded lipid–polymer hybrid nanoparticles for targeted drug delivery in liver fibrosis	O
09:50-10:05	**Mar Cabello Huerta** (USC, CIQUS, Spain) Decoding homotypic targeting in cell membrane-derived nanocarriers	O
10:05-10:25	**Lluis Marsal** (URV, Spain) Engineering Antibacterial Interfaces in Porous Alumina via Plasma Polymerisation	I
10:25-11:30	**Coffee Break, Poster Session & Exhibition**	
11:30-12:00	**Miguel A. Bañares** (CSIC-Instituto de Catalisis, Spain) Nanomaterial reactivity: a double-edged sword for nanotoxicity and pathogen control	K
12:00-12:50	**Speaker to be defined**	I
12:50-13:10	**Giancarlo Franzese** (Universitat de Barcelona, Spain) Multiscale simulations and machine learning for assessing bio-nano complexes	I
13:10-15:00	**Lunch**	
15:00-15:20	**Salvio Suarez** (ICN2, Spain) Bioinspired Polyphenol-Based Materials for Biointerface Modulation in Biomedicine	I
15:20-15:40	**Núria Torras Andrés** (Fraunhofer Spain Research, Spain) Engineering Biological Interfaces: from Barrier Models to Microphysiological systems	I
15:40-16:10	**Cecilia Menard-Moyon** (IBMC-CNRS, France) Prussian Blue Nanoparticles for Therapeutic Applications: From Nanozymes to Synergistic Cancer Therapy	K
16:10-16:25	**Isabelle Paiva** (UNESP, Brazil) Curcumin-Loaded Nanoemulsions as Photodynamic Nanoplatforms for Cervical Cancer: In Vitro Efficacy and Ex Vivo HET-CAM Evaluation.	O
16:25-17:25	**Coffee Break, Poster Session & Exhibition**	
17:25-17:45	**Paola Sánchez Moreno** (University of Granada, Spain) Cell membrane-camouflaged nanoparticles for glioblastoma therapy	I
17:45-18:00	**Mina Maleki** (ICMAB CSIC, Spain) Tailoring Bacterial Cellulose Scaffolds to Support Limbal Stem Cells for Corneal Regeneration	O
18:00-18:15	**Daniel Jiménez Boland** (Universidad de Granada, Spain) Magnetic Lymphocytes: Towards Cell-Mediated Nanoparticle Delivery for Glioblastoma	O

Thursday December 03, 2026

09:00-09:30	**Acelya Yilmazer** (Ankara University, Turkey) Leveraging Multi-Omics to Advance Precision Cancer Nanotherapeutics	K
09:30-09:45	**Sandra Pérez Jiménez** (IMB-CNM, Spain) Applying graphene solution-gated field-effect transistors (gSGFETs) for the detection of MUC1-specific antibodies tumoral biomarkers	O
09:45-10:00	**Marie-Léa Lalanne** (CEISAM, France) Dextran- and dextran-PEG-coated iron oxide nanoparticles for magnetic hyperthermia of liver cancer: from magnetic heating to cellular response	O
10:00-10:30	**Victor Puntes** (ICN2/VHIR-ICREA, Spain) When dark electrons meet the lost electrons: nanoceria and mitochondria	K
10:30-11:30	**Coffee Break, Poster Session & Exhibition**	
11:30-12:00	**M.-Carmen Estévez** (ICN2, Spain) Nanophotonic Biosensors for Biomedical Diagnostics: From Sensitive Detection to Multiplexed Applications	K
12:00-12:15	**Emma Oriol Ferrero** (Universitat de Barcelona, Spain) Two photon polymerization of anisotropic microarchitectures for cardiac tissue engineering	O
12:15-12:30	**Oscar Castano Linares** (Universitat de Barcelona, Spain) Engineering Tissue Function Across Scales: Nanostructured Materials for Biofabrication and Local Therapy	O
12:30-12:45	**Yasmin Abo-Zeid** (Faculty of Pharmacy, Capital University, Egypt) Covalent Immobilization of COSAN Derivatives as Novel Antimicrobial Surface Coatings	O
12:45-13:15	**Inma Ratera** (ICMAB-CSIC, Spain) Engineering Molecular Nanoarchitectures for Biomedical Function: From Antimicrobial Nanoparticles to Biointerfaces	K
13:15	**Closing**	