



POSTER SESSIONS SCHEDULE

SESSION 2. Transdermal and Transmucosal Delivery. Thursday 23th January (11.15-11.45 h)

CODE	TITLE	POSTER PRESENTER
P01.2	A Polymer-based Intranasal Drug Delivery Platform Towards the Safe and Effective Treatment of Pediatric Glioblastoma	T. Melnyk
P02.2	Alopurinol-loaded Nanostructured Lipid Carriers for Topical Application: in vitro and in vivo evaluation	M. Carvalheiro
P03.2	Design of bioinspired hydrogel contact lenses with affinity for statins	A. F. Pereira-da-Mota
P04.2	Development of a new 3D intestinal model as a more reliable platform to perform in vitro drug permeability studies	M. H. Macedo
P05.2	Effect of oil content on the physical-chemical properties and in vitro release profile of microemulsions	A. Costa
P06.2	Enfuvirtide-Loaded Deformable Lipid Vesicles for Transdermal Delivery	S. Simões
P07.2	Ex Vivo permeation of progesterone from a microemulsion drug delivery system	A. Alambiaga Caravaca
P08.2	Hydrocortisone controlled release hydrogels for topical application	M. Gonzalez-Alvarez
P09.2	New user-friendly software enables the accurate characterization of the diffusion pattern followed by nanocarriers in complex biological media	M. Plaza-Oliver
P10.2	Layer-by-layer polymeric microneedles for cancer chemo-photothermal therapy	A. F. Moreira
P11.2	Predicting topical bioavailability of dermatological products	M.B. Delgado-Charro
P12.2	Rationally Designed Polymer Therapeutics for the Topical Treatment of Psoriasis	I. Dolz-Pérez
P13.2	Sustained release of resveratrol from antifouling contact lenses	M. Vivero-Lopez

P14.2	Terahertz spectroscopy for crystallinity investigation of smartFilms®	C. M. Keck
P15.2	Thermoresponsive nanocapsules for skin hydration	E. R. Osorio Blanco
PO16.2	Investigation of Rapamycin-loaded Core Multi-Shell Nanocarriers using a Skin Inflammatory Model based on Ex Vivo Skin Co-Cultures with Jurkat T Cells	F. Rancan

SESSION 3. Therapy and prevention of infectious diseases. Thursday 23th January (11.15-11.45 h)

CODE	TITLE	POSTER PRESENTER
P01.3	Aerodynamic characterisation of konjac glucomannan microcarriers targeted to the alveolar region through inhalation	F Guerreiro
P02.3	Antibiotic-loaded Liposomes with High Potential Towards S.aureus Infections	M.C. Ferreira
P03.3	Characterization of a novel 3D-polymeric scaffold as a co-delivery system	M. Zegre
P04.3	Delivery of nucleic acid mimics to target Helicobacter pylori infections – the effect of biological barriers	R. S. Santos
P05.3	Development of Antimicrobial Chitosan Nanoparticles loaded with Rhamnolipids Biosurfactants	I.A.C. Ribeiro
P06.3	Dually crosslinked chitosan nanoparticles block quorum sensing and affect cell growth on a controlled, cell-density dependent manner	Vila-Sanjurjo A
P07.3	Econazole and Voriconazole controlled-release ophthalmic hydrogels for fungal keratitis treatment	Díaz-Tomé Victoria
P08.3	Insights into the Intracellular Trafficking of Chitosan Nanoparticles	A. Bettencourt
P09.3	Interaction of cationic liposomes with Gram-negative and Gram-positive bacteria	Luis Moreira
P10.3	Tenofovir disoproxil fumarate/emtricitabine-loaded electrospun fibers for topical pre-exposure prophylaxis of vaginal HIV transmission	J. das Neves
P11.3	Microencapsulated isoniazid-loaded MIL-100-(Fe) nanoparticles in mannitol microspheres for pulmonary treatment of Tuberculosis	C. Fernández-Paz
P12.3	Microencapsulation of chitosan-based nanocapsules to gene therapy for pulmonary route	E. Fernández-Paz

P13.3	Optical detection based on gold nanocomposites for the real-time monitoring of pathogenic bacteria infection progression	G. Landa
P14.3	Optimization and Characterization of Posaconazole Loaded Nanomicelles for Ocular Delivery	Y. Özsoy
P15.3	Optimization of soluble polypseudorotaxanes based nail lacquer for onychomycosis treatment	F. J. Otero Espinar
P16.3	Pharmacokinetic studies and in vitro characterization of tacrolimus eyedrops	X. García-Otero

SESSION 4. Regenerative medicine and cell therapy. Thursday 23th January (16.00-16.30 h)

CODE	TITLE	POSTER PRESENTER
P01.4	Anti-inflammatory nanobiomaterial carrier for chondral repair	F. Sousa
P02.4	Chitosan scaffolds co-delivering BMP-2-MMP10 and BMP-2-alendronate for bone regeneration in osteoporosis	P. García-García
P03.4	Chondroitin sulphate-functionalized PAMAM nanoparticles for application in rheumatoid arthritis	I.M. Oliveira
P04.4	Development of bioactive patches for the treatment of acute and chronic ulcers and wounds using 3D printing technology	E. G. Andriotis
P05.4	Development of electrospun Silk Fibroin based asymmetric membranes for wound dressing applications	S.P. Miguel
P06.4	Development of in situ forming hydrogel containing oxidized alginate and platelet rich plasma for wound healing applications	I.García-Orue
P07.4	Electrospun Nanostructured Wound Dressings for the Sustained Release of Natural Antimicrobial Compounds	Gracia Mendoza
P08.4	Electrospun-fibers for melatonin-controlled release	I. González-Prada
P09.4	In vivo biocompatibility of soy protein and chitin sponge-like scaffolds derived from natural by-products	K. Las Heras

P10.4	Intra-articular administration of nanoparticulated systems for synovial macrophages vectorization.	R. Martínez-Borrajo
P11.4	Optimization of PLGA-nanoparticle loaded hydrogels for wound healing	A. S. Macedo
P12.4	Transplantation of cardiovascular progenitors with biomimetic microcarriers limit adverse remodeling in a rat myocardial infarction model	M.J. Blanco-Prieto

SESSION 5. Targeted Drug Delivery and Combination therapies. Thursday 23th January (16.00-16.30 h)

CODE	TITLE	POSTER PRESENTER
P01.5	An innovative liposomal hybrid molecule for the treatment of melanoma	M. Matias
P02.5	Bevacizumab loaded nanocapsules: cytotoxicity and internalization in lung and pancreatic cancer spheroids	I. Fernández-Mariño
P03.5	Challenges on protein corona determination of polymeric nanocapsules	G. Berrecoso
P04.5	Combinatory therapeutic strategy to metastatic colorectal cancer treatment using functionalized CEA-targeted nanoparticles	M. José Silveira
P05.5	Copper-based complex liposomes as an alternative for solid tumors treatment	J.O. Pinho
P06.5	Decorated sphingomyelin nanosystems for selective targeting of metastatic lung cancer	S. Díez-Villares
P07.5	Design and in vitro characterization of controlled release idebenone-loaded PLGA microparticles for LHON treatment	R. Varela-Fernández
P08.5	Design of nanoparticles from self-assembling peptide epitopes as a new cancer vaccine against Non-Small Cell Lung Cancer	S. Khazaei
P09.5	Drug release and drug permeability from double layer coated PLGA nanoparticles loaded with celecoxib	S. González
P10.5	Entrapping Docetaxel and Doxorubicin Prodrugs within the Hydrogel Matrix of Discoidal Polymeric Nanoconstructs for Cancer Treatment	A. Felici
P11.5	Evaluation of nanosystems based on biopolymers: Fucoïdan from the edible brown seaweed Laminaria japonica and Chitosan	N. Flórez-Fernández

P12.5	Evaluation of the lyoprotective effects of lactose and mannitol: application to sildenafil citrate liposomes	MJ de Jesús Valle
P13.5	Functionalized Magnetic Nanoparticles: smart nanocarriers for drugs, oligonucleotides and antibodies for the treatment and diagnosis of cancer	N. Lafuente-Gómez
P14.5	Glutathione modified PLGA nanoparticles for CNS drug delivery	N. Paccione
P15.5	Improving breast cancer conventional chemotherapy using CBD-PLGA-microparticles	A.I. Torres-Suárez
P16.5	Influence of cholesterol fraction on the physic and biopharmaceutical properties of sildenafil citrate liposomes	J. Loureiro
P17.5	Influence of lyoprotective agents on the biocompatibility and cell internalization of liposomes	A. Alves
P18.5	Lipid Nanoparticles for Benznidazole Oral Delivery Targeting to the Lymphatic System to Treat Chagas Disease	A. Gigante
P19.5	Liposomes as a tool to potentiate in vitro and in vivo the anti-tumor effect of new coordination compounds	M.M. Gaspar
P20.5	Mannosylated nanovaccines and inhibition of the immune-suppressing microenvironment sensitizes melanoma to immune checkpoint modulators	J. Conriot
P21.5	Microencapsulation of Infliximab in a PEOT/PBT multiblock copolymer	I. Lamela-Gómez
P22.5	Morin-loaded PLGA-phe2 nanoparticles: Accessing the CNS?	M. Alonso-González
P23.5	New polymeric nanocomplexes against glioblastoma initiating cells	C. Garcia-Mazas
P24.5	Novel liposomes for therapy of neurodegenerative diseases	A. C. Gomes
P25.5	Optimization of Three-Dimensional Breast Cancer Culture Platforms for the Advanced Preclinical Evaluation of Polymer Therapeutics	P. Boix-Montesinos
P26.5	Peptide-associated nanomedicine to interfere senescence escape and avoid relapse in breast cancer	Raneem Jatal

P27.5	Peptide-decorated nanosystems for the targeted delivery of anticancer drugs	S. Lores
P28.5	Precision targeting of colorectal cancer cells using YIGSR laminin peptide	M. Carvalho
P29.5	Quantification of the coating polymer on nanocapsules for drug delivery via Asymmetric Flow Field-Flow Fractionation	F. Quattrini
P30.5	Reprogramming Tumor Associated Macrophages to treat Lung Cancer with Immunostimulant-loaded nanocapsules	C. Fernández Varela
P31.5	Shape-defined PLGA microPlates depot for the local delivery of anti-inflammatory molecules	M. Di Francesco
P32.5	Targeted nanoparticle-based vaccine as a powerful platform to improve immune modulation therapy in colorectal cancer	A. I. Matos
P33.5	The influence of lipid bilayer thickness on the microfluidic assembly of small unilamellar liposomes	T.M. Oliveira
P34.5	Uptake of celecoxib PLGA-microparticles by macrophages to improve the anti-inflammatory response	M. C. Villa-Hermosilla
P35.5	Validation of a multifunctional nanodevice for cancer theranostic	M.V. Cano-Cortés
P36.5	Zebrafish can be a reliable model to study critical properties of novel cancer nanomedicines	M. Cascallar

SESSION 7. Delivery of Biomacromolecules and oligonucleotides. Friday 24th January (11.00-11.30 h)

CODE	TITLE	POSTER PRESENTER
P01.7	Antigen-conjugated chitosan nanocapsules for targeting dendritic cells	Robla Alvarez, S
P02.7	Biocompatible iron (III) carboxylate Metal-Organic Frameworks as promising RNA nanocarriers	T. Hidalgo
P03.7	Delivery of nucleic acid mimics (NAMs) in bacteria mediated by lipoplexes	S. Pereira
P04.7	Designing Efficient siRNA Delivery Systems for Cancer Immunotherapy	S. Anthiya
P05.7	Development of high drug loaded filaments of HPMC for 3D printing	I. Caraballo

P06.7	Development of SLNs as mRNA and pDNA delivery systems	I. Gómez-Aguado
P07.7	Enveloped polymeric nanocomplexes (ENCPs) for the intracellular delivery of Bevacizumab	A.M. López-Estévez
P08.7	Evaluation of anti-inflammatory effect of quercetin liposomes in hepatic ischemia and reperfusion injury	M. Ferreira-Silva
P09.7	Evaluation of polymeric nanoparticles as gene delivery systems in 2D and 3D glioblastoma models	S. Barrios-Esteban
P10.7	Evaluation of the effect of ionic liquids as cryoprotectants on the stability of polymer nanoparticles	A. Júlio email ponte
P11.7	Fluorescence Cross-Correlation Spectroscopy as a tool to evaluate the assembly of cationic liposome-coated polycation-DNA complexes (lipopolyplexes) for gene therapy	J.L. Paris
P12.7	Herbicide-loaded chitosan-solid lipid microparticles: a smart strategy towards safer agrochemical products	A. Neves
P13.7	High-throughput screening of a combinatorial polymer	A. Filipe Rodrigues
P14.7	Rational design of a lyophilization process for Nanostructured Lipid Carriers	H. Rouco
P15.7	Shedding light on the isolation of extracellular vesicles for application	L. Saludas
P16.7	Short-term effect of a non-viral vector containing a plasmid encoding alfa-Galactosidase A on liver transaminases in a knock-out model of Fabry disease	J. Rodríguez-Castejón
P17.7	Size-controlled formation of monoolein-DDAB nanoparticles using microfluidics	M.M. Barros
P18.7	Stability evaluation of sulphated locust bean gum-coated lipid nanocapsules	J. F. Pontes
P19.7	Subcutaneous administration of nanostructured lipid systems containing alpha elosulfase. Biodistribution studies in mice	A. Luzardo Álvarez
P20.7	Tailor made Oligonucleotide-hybrid-nanosystems: development and characterization	P. Diaz-Rodriguez
P21.7	Targeted cathelicidin nanomedicines as novel glucoregulator for diabetes therapy	C. S. Cristelo

SESSION 8. Oral Delivery of drugs and other active ingredients Friday 24th January (11.00-11.30 h)

CODE	TITLE	POSTER PRESENTER
P01.8	Bioengineered glucose-responsive nanoparticles in artificial pancreas for Diabetes therapy	J. Moreira Marques
P02.8	Continuous microfluidic assembly of insulin-loaded pH response nano-in-microparticles: towards to insulin oral delivery	C. Costa
P03.8	Development and optimization of Orally Dissolving Films targeting pediatrics and patients suffering from dysphagia	Hamad Alyami
P04.8	Development of Water-in-Water (W/W) emulsions based on alginate and caseine for drug delivery.	E. Figueroa
P05.8	Evaluation of quercetin-loaded nanoparticles in a C. elegans model of type II diabetes	R. Campión
P06.8	Evaluation of the mucus-permeating properties of polymeric-based nanocarriers	J. Morales-Gracia
P07.8	Metal-Organic Frameworks as detoxifying agents	P. Horcajada
P08.8	Pollen grains for oral insulin administration	D. Pan-Delgado
P10.8	Targeted release of therapeutic bioagents from enteric microparticulated formulations	C. Yus
P11.8	Thiamine-poly(anhydride) coating zein nanoparticles for oral insulin delivery. In vivo evaluation in Caenorhabditis elegans	A.L. Martínez-López
P12.8	Zein nanoparticles as potencial oral carriers for resveratrol	R. Nunes