

12th IBEC Symposium Bioengineering

Active Ageing

NANOMEDICINE - Posters with flash presentation

Poster	Name	Title
17	Mar Cendra	Facing the in vitro challenge in <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> coexistence
18	Adrianna Glinkowska Mares	Approaching tailor-made nanocarriers and screening their performance using microfluidic technology
19	Elena Lantero	Identification of DNA Aptamers against <i>Plasmodium falciparum</i>
20	Joan Montero	Personalizing pediatric cancer treatment with dynamic BH3 profiling
21	María Alejandra Ortega Machuca	Dynamic monitoring of pancreas metabolism by combining nano-optical biosensing to organ on-a-chip technology (ORGANSENS IGNITE-BIST project)
22	Roland Rocafort	Peptide-modified Enzymatic Micro- and Nanomotors for Antimicrobial Applications

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23	Maria Arista Romero	Super-resolution microscopy as a potent tool for understanding the formation and inhibition of influenza virus structures in mammalian cells.
24	Xavier Arqué	Effect of Intrinsic and Extrinsic Aspects on Enzyme-powered Micro- and Nanomotors
25	Yunuen Avalos Padilla	ESCRT-III in <i>Plasmodium falciparum</i> : finding new pathways for Extracellular Vesicles production
26	Harishankar Balakrishnan	Subsurface Imaging of Buried Nanowires in Thin Gelatin Films by Electrostatic Force Microscopy
27	Arnau Biosca Romanillos	An immunoliposome for targeted antimalarial combination therapy at the nanoscale

28	Núria Blanco-Cabra	Novel Oleanolic and Maslinic Acids derivatives as a promising treatment against bacterial biofilm in nosocomial infections: An in vitro and in vivo study.
29	Núria Blanco-Cabra	Characterization of different alginate lyases for dissolving <i>Pseudomonas aeruginosa</i> biofilms
30	Inés Bouzón Arnáiz	Exploration of Protein Aggregation as an Antimalarial Design Strategy
31	Martí Checa	Mapping the Dielectric Properties of Topographically Complex Samples at the Nanoscale with Scanning Dielectric Force Volume Microscopy (SDFVM).
32	Denitza Denkova	uSEE microscopy: super-resolution imaging in your confocal microscope without system modifications or image post-processing
33	Martina Di Muzio	Nanoscale Composition Mapping with in-liquid Electrostatic Force Microscopy
34	Edgar Fuentes	Multi-responsive supramolecular fibers
35	Aida Garrido Charles	Rationally designed azobenzene photoswitches for efficient two-photon neuronal excitation
36	Ana C. Hortelao	Urease-powered nanomotors towards biomedical and sensing applications
37	Mario Huttener	Expression of a novel class of bacterial Ig-like proteins is required for IncHI resistance plasmids conjugation
38	Wawan Kurniawan	Arginine/Lysine-rich Cationic Peptides and Arginylglycylaspartic Acid as Nano-GPS for Targeted Nano-oncological Drug Delivery in Cervical Cancer Cells In Vitro
39	Adrica Kyndiah	Bioelectronic Recordings of Cardiomyocytes with Accumulation Mode Electrolyte Gated Organic Field Effect Transistors
40	Anna Lagunas	Long distance electron transfer between redox partner proteins through the aqueous solution
41	Hyojung Lee	Two-photon pharmacology targeting endogenous receptors in brain tissue

42	Maximilian Loeck	Pathological Alterations Affect the Expression and Drug-Targeting of Transcytosis Receptors in Cellular Models of the Blood-Brain Barrier
43	Helena Lozano	Sizing single nanoscale objects from polarization forces
44	Elisabet Martí Coma-Cros	Exploration of the Activity of Heparin-loaded PDMAEMA Nanocarriers against Plasmodium falciparum Blood Stages
45	Carlo Matera	A Photoswitchable Antimetabolite for Targeted Photoactivated Chemotherapy
46	Laura Moya Andérico	Galleria mellonella as an invertebrate animal model of infection for evaluating gene expression shifts during Pseudomonas aeruginosa infection
47	Madhura Murar	Multifunctional nanoparticles for personalized cancer therapy
48	Livia Neves Borgheti Cardoso	Extracellular Vesicles as Targeted Drug Delivery System: Turning Plasmodium Survival Strategies against Itself
49	Lucas Palacios	Interaction of Janus particles with interfaces
50	Lucas Pedraz	Gradual adaptation of facultative anaerobic pathogens to microaerobic and anaerobic conditions
51	Lucas Pedraz	Mechanism of action of NrdR, a system confined to bacteria behind the control of all dNTP synthesis
52	Fabio Riefolo	Photocontrol of cardiac function with an M2 mAChR photoswitchable ligand
53	Valeria Rizzuto	Microfluidic filtering unit for the evaluation of RBC mechanical properties (Rare hemolytic anemia model)
54	Carlota Roca Martinez	Development of specific DNA aptamers against the enzyme 1-deoxy-D-xylulose-5-phosphate reductoisomerase from Plasmodium falciparum.
55	Paul Soto Rodriguez	Novel Platform Designs for Nanomotors Towards Biomedical Applications

56	Eduard Torrents	High Time Resolution and High Signal-to-Noise Monitoring of the Bacterial Growth Kinetics in the Presence of Plasmonic Nanoparticles
57	Laura Tuduri	Cardiac Nanofibrous Patch Based on Polylactic Acid
