



2nd IBEC-ICMS Joint Symposium · 16th July 2019

Poster session

1	Maria	Arista Romero	Super-resolution microscopy as a potent tool for understanding the formation and inhibition
2	Xavier	Arqué	Effect of Intrinsic and Extrinsic Aspects on Enzyme-powered Micro- and Nanomotors
3	Núria	Camarero	A Photoswitchable Antimetabolite for Targeted Photoactivated Chemotherapy
4	Ignasi	Casanellas	Matrix nanopatterning modulates focal adhesion size and distribution according to cell fate
5	Suze	Dercksen	Computational image processing for assessing physical properties of cellular monolayers.
6	Juan M	Fernandez-Costa	Generation of human 3D skeletal muscle through bioengineering for preclinical research in Myotonic Dystrophy
7	Giulia	Fornabaio	Biomechanics of the progression of hypermethylated colorectal carcinomas
8	Edgar	Fuentes	Control of supramolecular polymers by multiple stimuli
9	Elena	Garreta	Efficient Generation of Human Pluripotent Stem Cell-derived Kidney Constructs by 3D Bioprinting of cell-laden Kidney Specific Bioinks
10	Adrianna	Glinkowska Mares	Approaching tailor-made nanocarriers and screening their performance using microfluidic technology
11	Leon	Hermans	Living on the edge: mechanobiological characterization of the myocardial infarct border
12	Arnau	Hervera	PP4-dependent HDAC3 dephosphorylation discriminates between axonal regeneration and regenerative failure
13	Ana Candida	Hortelao	Urease-powered nanomotors towards biomedical and sensing applications
14	Anabel-Lise	Le Roux	Molecular reshaping of the plasma membrane in response to mechanical stress
15	Hyojung	Lee	Two-photon pharmacology targeting endogenous receptors in brain tissue
16	Maximilian	Loeck	Pathological Alterations Affect the Expression and Drug-Targeting of Transcytosis Receptors in Cellular Models of the Blood-Brain Barrier
17	Maria Jose	Lopez Martinez	Microfluidic filtering unit for the evaluation of RBC mechanical properties (Rare hemolytic anemia model)
18	Sha	Lou	Microfluidic mechanical bioinfluence on function of "kidney-on-chip"
19	Ariadna	Marín Llauradó	Linking epithelial size, tension and pressure in curved epithelial monolayers
20	Rafael	Mestre	3D bioprinting as a tool for the fabrication of biological actuators based on skeletal muscle tissue
21	Agata	Nyga	Malignant corruption of epithelial mechanics
22	Maria Alejandra	Ortega Machuca	Dynamic monitoring of pancreas metabolism by combining nano-optical biosensing to organ on-a-chip technology (ORGANSENS IGNITE project)
23	Andreas	Pollet	Mimicking the microvasculature using 3D sugar printing

24	Javier	Ramon	Human 3D skeletal muscle microphysiological systems for disease modelling
25	Fabio	Riefolo	Photocontrol of cardiac function with an M2 mAChR photoswitchable ligand
26	Gerard	Rubi-Sans	Cell-derived matrices as a platform for 3D in vitro colorectal cancer model
27	Lucia	Selfa Aspiroz	Studying Wilms' Tumor 1 (WT1) function in human kidney development and disease using human pluripotent stem cells-derived organoids and genome editing
28	Jelle	Sleeboom	A microfluidic oxygen gradient device to assess EMT state and migrational responses of cancer cells
29	Shidong	Song	Reconstruction of motility in artificial cell system
30	Paul	Soto Rodriguez	Novel Platform Designs for Nanomotors Towards Biomedical Applications
31	Ferran	Velasco Mallorquí	Cellulose-based cryogels for long-term culture of pancreatic islets and skeletal muscle tissue
32	Ye	Wang	combining 3D culture and mechanical actuation for studies on cardiac fibrosis
33	Lei	Wang	Proteinosome based soft motors towards the protocell mimicry
34	Giulia	Zarpellon	3D bioprinting technology for advanced functional living robots