

AGENDA: Stem Cell Nanolmaging – Advances and Applications

9:00-9:15	Workshop Welcome		Affiliation
9:15-9:40	KeyNote	Dr. Moein Moghimi	University of Newcastle
Horizon 2020 projects			
9:40-10:05	nTRACK Multimodal nanoparticles for structural and functional tracking of stem cell therapy on muscle regeneration	Marc Masa, Scientific Coordinator	Leitat, Technological Centre
10:05-10:30	StartStem - NanoSTARS imaging for STEM cell therapy for arthritic joints	Dr. Martin J Leahy	National University of Ireland, Galway
10:30:10:55	iNanoBIT-Integration of Nano- and Biotechnology for Beta-cell and Islet Transplantation	Dr. András Dinnyés	BioTalentum Ltd
10:55-11:05	Q&A		
11:05-11:25	Break 20'		
Nanomedicine			
11:25-11:50	GMP production of nanoparticle formulations	Dr. Emre Türeli	MyBlotech
11:50-12:15		Dr Simó Schwartz	Vall d'Hebron Research Institute - VHIR
12:15-12:40		Dr. Josep Samitier	Institute for Bioengineering of Catalonia -IBEC



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 760031. This publication reflects only the author's views and the European Union is not liable for any use that may be made of the information contained therein.

12:40-12:50	Q&A		
12:50 – 14:00	Lunch Break		
Preclinical models & imaging			
14:00-14:25	Preclinical real-time imaging: a tool for efficient and ethical drug research	Dr. George Loudos	BioEmission Technology Solutions - BIOEMTECH
14:25-14:50	Small and large animal models for the study of muscle injuries: The nTRACK approach	Dr. Mario Marotta	Leitat, Technological Centre
14:50-15:15	Cell tracking strategies using PET	Dr. Raul Herance	Vall d'Hebron Research Institute - VHIR
15:15-15:25	Q&A		
Cell therapy			
15:25-15:50	Placenta-Derived Cell Therapy: biological properties supporting clinical use	Dr. Eliran Ish Shalom	PluriStem Therapeutics Inc
15:50-16:00	Q&A		
Regulatory framework			
16:00-16:25	Case-study, nTRACK project - Utilizing nanoparticles for cell tracking; lessons learned from the regulatory process in the EU	Dr. Ingrid Hegger	National Institute for Public Health and the Environment - RIVM
16:25-16:50	Overview of current trends and innovation management in regenerative medicine	Dr. Jelena Aleksic	Cambridge Nanomaterials Technology Ltd (CNT)



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16:50-17:15	Next generation car & T cell therapies	Dr. Martha Lundberg Dr. Mya S. Thu	Program Director, Regenerative Medicine & Tissue Engineering at the National Heart, Lung, and Blood Institute (NHLBI) of NIH CEO, Visicell Medical Inc
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