

Future Leaders in Regenerative Medicine: Joint Conference CDTs and UKSB

Virtual Meeting 24-25th June 2020

DAY 1

9:45	Arrival online and admittance to conference		
10.00	Welcome: Dr Karen Coopman (Director, EPSRC-MRC CDT in Regenerative Medicine, Loughborough University) and Paul Roach (President, UKSB)		
10.15 –	Keynote speaker: Prof Liam Grover, Birmingham University,		
11.00	Director of the Healthcare Technologies Institute (HTI)		
	Title: Materials technologies to enhance tissue	e formation	
11:00-	Move to sessions		
11:05			
	Materials: Nanopatterning and properties	Clinical Applications 1	
11 05-	Chaired by: Tasmin Nabar and Periklis	Chaired by: Dominic Williams and Eduardo	
12.00	Petronoulos	Ribes Martinez	
12.20			
	Rvan Dimmock:	Angela Imere:	
	SMART MATERIAL FABRICATION FOR LIMBAL	Tissue engineering the tendon synovial	
	STEM CELL STUDY	sheath for prevention of post-operative	
	Danilo Villanueva: (TBC)	adhesions	
	The effects of mechanically tailored 3D	Patrick Lawson-Statham:	
	nanofibrous scaffolds for corneal	Development Of A Composite Decellularised	
	regeneration	Osteochondral Scaffold For The Treatment	
	Laurissa Havins:	Of Articular Cartilage Lesions	
	Bioengineering Dual Gradient Platforms for	Lisa Duff	
	the Control of Cell Behaviour and	Automated Diagnosis In Large Vessel	
	Differentiation	Vasculitis Using FDG PET-CT	
	Nicola Negrini:	Serkan Dikici:	
	3D GELATIN HYDROGELS FOR TOOTH	2-deoxy-D-ribose: A sweet alternative to	
	DEVELOPMENTAL TISSUE ENGINEERING	VEGF to stimulate angiogenesis and wound	
		healing	
	Poster flashes:	Poster flashes:	
	Catherine Taylor (Nottingham)	James Watson	
	Lydia Marinou	Matthew Kibble	
	Jonathan Taylor	Simon Williams	
		C Taylor (Sheffield)	
	BREAK and poster viewing online		



Engineering and Physical Sciences Research Council





Medical Research Council



9:30-	Enabling Technologies	Clinical Applications 2
10:45		
	Chaired by: Hannah Lamont	Chaired by: Robert Bagley and James
	and Dominic Mosses	Watson
	Paul Humphreys:	Valeria Filippou
	Synthetic photoreceptor engineering for	Novel Person-Specific Step Count Algorithm
	optogenetic control of TGF6 signalling to	For Different Types Of Gaits
	drive chondrogenesis	Jessica Wiseman
	James Hopwood:	Neurosurgical grade biomaterial Duragen
	A Comparison Of Electromechanical Versus	PlusTM is a promising pro-regenerative
	Pneumatic-Controlled Knee Simulators For	matrix for repair of traumatic spinal cord
	The Wear Performance Of A Total Ankle	injury.
	Replacement	Faye Bolan
	Andie Robinson:	The regenerative potential of injectable
	Development of Nano-Bioelectronic Systems,	peptide hydrogels for intracerebal
	using Bipolar Electrochemistry	haemorrahage therapy
	Prof Aline Miller:	Simon C. Kellaway
	Engineered Peptide Hydrogels; application in	Engineered neural tissue from decellularised
	tissue regeneration, 3D bioprinting and drug	biomaterials for peripheral nerve repair
	discovery	
		Poster flashes:
	Poster flashes:	Naomi Northage
	Richard McDowell	Jacqueline Solis
	Liam Johnson	Davide Verdolino
	Melissa Cheung	Tasmin Nahar
10:45-	BREAK	
11		

DAY 2













MANCHESTER





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Doctoral Training Network in

The University Of Sheffield. UNIVERSITY OF LEEDS

	The tassets of Assets of Sheffield UNIVERSITY OF L	EEDS Technologies for Healthy Age
	Cell and Gene Therapy	Bioengineered Models
11 –		
12:15	Chaired by: Josephine Thomas and Laura	Chaired by: Ryan Dimmock and Elaine Ma
	Hubbard	
		Elisa Tarsitano:
	Angharad Evans:	Assessing the elastic properties and
	Optimising Culture of Viral Production Cell	cytocompatibility of porcine liver
	Lines for Improved Lentiviral Manufacture	decellularized ECM gels for a 3D in-vitro
	William Jones:	model
	Bone And Mesenchymal Stem Cell Changes	Cosimo Ligorio:
	In Ankle Osteoarthritis	Engineering the nucleus pulposus tissue by
	Miguel Ferreira:	exploiting a growth factor-loaded
	Novel Strategies to Promote Human	peptide/graphene oxide hydrogel
	Embryonic Stem Cell Chondrogenesis in 3D	nanocomposite
	Microenvironments	Marlene Polleres:
	David H. Ramos:	Neurovascular 3D cell model to investigate
	Introducing microfabricated electrospun	the role of pericytes in dementia
	membranes to mimic the stem cell	
	microenviroment in the dermal-epidermal	Poster flashes:
	junction	Lauren Hope
		Kirsten Liggat
	Poster flashes:	Narina Bileckaja
	Mark Naven	Caitlin Jackson
		Leona Ogene
12:15	Closing remarks and Award of prizes by Karen Coopman and Paul Roach	







