

EPSRC Optimising knee therapies through improved population stratification and precision of the intervention programme

Wrap up meeting

22nd July 2022

Lanswood One, Weetwood Hall

10:30-11:00	Registration	
11:00-12:30	Session 1: Overview of Programme and Methods <i>Live presentations and prerecords available for remote audience to view in own time</i>	
11:00-11:15	Introduction	Prof Ruth Wilcox
11:15 – 11:30	Experimental Methods	Prof Louise Jennings & Dr Anthony Herbert
11:30-11:45	Computational Methods	Dr Alison Jones & Dr Marlène Mengoni
11:45 – 12:00	Development of new therapies	Dr Hazel Fermor & Dr Jen Edwards
12:00-12:15	Further Questions and answers +Questions posted from remote audience	All speakers
12:15-13:15	LUNCH	
13:15 – 14:30	Session 2: Cartilage and bone repair and replacement <i>Live presentations and streamed live to remote audience</i>	
	Introduction to session and poster pitches	Dr Hazel Fermor <i>Posters: Phil Straw, Segun Kayode, Lara Esquivel</i>
	Decellularised osteochondral grafts	Dr Halina Norbertczak
	Use of qMRI for quantification of cartilage properties	Dr Nagitha Wijayathunga
	Modelling o/c scaffolds in human tibiofemoral joint FE model	Dr Gavin Day [pre-recorded]
	Group discussion/Q+A	Chair: Dr Alison Jones Monitoring remote questions: Dr Jen Edwards
	In vitro simulation of human tibiofemoral knee joints for evaluation of osteochondral scaffolds and meniscus allografts	Dr Blake McCall [pre-recorded]
	In vitro simulation of human patellofemoral knee joints for evaluation of osteochondral scaffolds	Dr Rae Cowie
	Peptide-GAG hydrogels for early cartilage defect repair	Dr James Warren
	Group discussion/ Q+A	Chair: Prof Louise Jennings Monitoring remote questions: Dr Jen Edwards

14:30-15:00	Afternoon Break	
15:00 – 15:40	Session 3: Meniscus and ligament repair and replacement	
3:00	Introduction to session and poster pitches	Prof Ruth Wilcox <i>Posters: Genevieve Pounds, Sherif Zantiba, Jackie Solis Cordova, Will Sanderson</i>
	Modelling the in vitro tests using finite element analysis	Dr Rosti Readioff
	Optimising decell methods for ligament reconstruction	Dr Richard Foster
	Group discussion/Q+A	Chair: Dr Marlène Mengoni Monitoring remote questions: Dr Jen Edwards
15:40-16:55	Future Work	Chair: Dr Alison Jones
	Introduction	Prof Ruth Wilcox
	Broadening approach to other joints: Applications in the Hip	Prof Sophie Williams
	Broadening approach to other joints: Applications in the spine	Dr Marlène Mengoni
	Broadening approach to other joints: Applications in the ankle	Dr Claire Brockett
	Deepening approach through improving model inputs	Prof Ruth Wilcox
	Clinical advances and future challenges from a non-orthopaedic point of view	Prof Philip Conaghan Professor of Musculoskeletal Medicine
	Clinical advances and future challenges from orthopaedics point of view	Prof Hemant Pandit Professor of Orthopaedics and Honorary Consultant
	Group discussion	Chair: Dr Alison Jones Monitoring remote questions: Dr Jen Edwards
16:55	Wrap up	Prof Ruth Wilcox
17:00-18:00	Poster viewing, beer and discussion	
18:00-20:00	BBQ + beer	

Final Version July 2022