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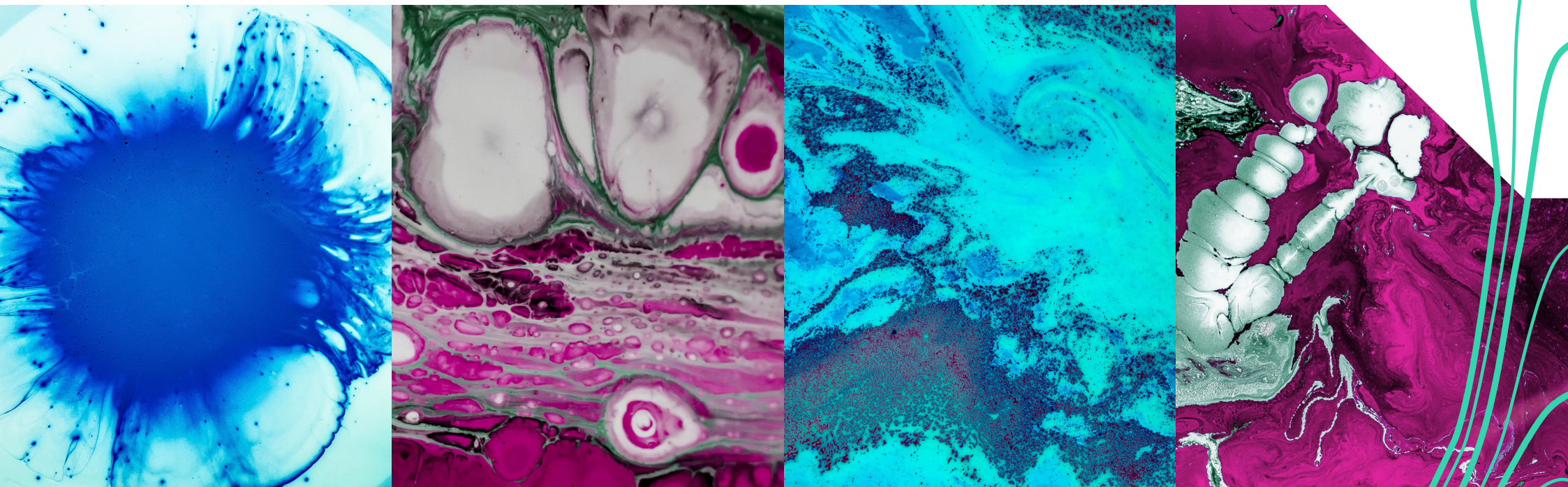
Medical
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Council



UK Regenerative
Medicine Platform

UKRMP Regenerative Medicine 2023

8th – 10th November 2023, McEwan Hall, Edinburgh





Conference Agenda



UKRMP

Regenerative Medicine 2023

Day 1:
8th November 2023

Wednesday 8th November

11:30	Registration Opens	
11:30-12:30	Exhibition Open, Networking and Buffet Lunch	
Session 1:	The UKRMP Journey	Chair: tbc
12:30-12:40	Welcome and opening address	Robin Buckle
12:40-12:50	Review of the progress and wider impact	Jacqueline Barry
Session 2:	Considering the cell environment and harnessing the niche for advanced therapies	Chair: tbc
12:50-13:10	Developing cell therapies for the liver	Stuart Forbes
13:10-13:30	The complexity of the disease niche and how modulation will be required for improved therapy outcomes	Victoria Gadd
13:30-13:50	Microparticles for transplant niche control	Lisa White
13:50-14:10	Lung airway regeneration	Sam Janes
14:10-14:30	Strategies for identifying novel molecules/ compounds to enhance the development of regenerative therapies	Neil Carragher
14:30-15:15	Coffee break with networking	
Session 3:	Translational challenges	Chair: tbc
15:15-15:30	Modelling PSCs behaviour: Enhancing cell therapy through cell culture understanding and informed decision-making	Cathy Beltran-Rendon
15:30-15:45	Identification of factors to modulate lung regeneration	Yuki Ishii
15:45-16:05	Optimising culture conditions for human pluripotent stem cells	Florian Merkle
16:05-16:25	Exploiting in silico modelling to address the translational bottleneck in regenerative medicine safety	Sarah Waters
16:25-16:45	Platelets, megakaryocytes and SARS COV-2: using stem cells to see how they participate in lung injury	Cedric Ghevaert
16:45-17:05	Developing musculoskeletal organ-chips for exploring regenerative medicine therapies	Hazel Screen
17:05-17:20	Nanoclay gels for the delivery of regenerative microenvironments	Jonathan Dawson
17:25-17:30	tbc	
Session 4:	Networking event	Exhibitors hall
17:30	Networking buffet	
18:00-19:30	Poster judging session	

UKRMP

Regenerative Medicine 2023

Day 2:
9th November 2023

Thursday 9th November

Session 5:	Innovative technology for regenerative medicine - part 1	Chair: tbc
09:00-09:20	Challenges for biomaterials in Regenerative medicine	Molly Stevens
09:20-09:40	In vitro and in vivo analysis of osteogenic coatings on scaffolds for bone tissue engineering	Janos Kanczler
09:40-09:55	Mapping the pluripotent "breakover": Insights into the origins of genetic variants in pluripotent stem cells	Owen Laing
09:55-10:15	Assessment and amelioration of immunogenicity of organoid regenerative cellular therapies	Kourosh Saeb-Parsy
10:15-11:00	Coffee break with networking	
Session 6:	Innovative technology for regenerative medicine - part 2	Chair: tbc
11:00-11:15	Early human lung immune cell development and its role in epithelial cell fate	Marko Nikolic
11:15-11:30	Cis-regulatory control of pluripotent stem cell fates	Stefan Schoenfelder
11:30-11:45	Tissue-resident macrophages are essential for epithelial regeneration after radiotherapy-induced salivary gland injury	Elaine Emmerson
11:45-12:00	Post-printing functionalisation of 3D printed hydrogels as a modular biomaterials platform	Jonathan Wojciechowski
12:00-13:00	Lunch with networking	
Session 7:	Regenerative strategies for repairing musculoskeletal injury	Chair: tbc
13:00-13:20	Model development and screening	Alicia El Haj
13:20-13:40	Enhancement of the Injury Induced niche for cartilage repair	Andrew McCaskie and Rawiya Al Hosni
13:40-14:00	HealiOst - A coating technology to control fibronectin fibrillogenesis and enhance bone regeneration at low doses	Manuel Salmeron-Sanchez
14:00-14:20	Shape Matters: Influencing mammalian cell behaviour through macroscale geometry	Felicity Rose
14:20-14:40	Development of electrospun implants for tendon and ligament repair	Pierre-Alexis Mouthuy
14:40-15:15	Coffee break with networking	

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Regenerative Medicine 2023

Day 2:
continued

Thursday 9th November continued		
Session 8:	Translation and Commercialisation of Regenerative Medicines	Chair: Alicia El Haj
15:15-15:25	Stimuliver: Development of liver tissue implants to treat critically failing liver function in humans	David Hay
15:25-15:35	Renovos Biologics - Transforming orthopaedics and regenerative medicine through pioneering use of nanoclay gels	Agnieszka Janeczek
15:35-15:45	Regen CTC: Considerations for translation and commercialisation of ATMPs	Zoe Hewitt
15:45-15:55	SPARTA®: Enabling nanoformulations for next generation therapeutics	Jelle Penders
16:00-16:30	Panel discussion	Chaired by Alicia El Haj
16:30-17:00	Exhibitor's Hall open for networking	
Gala Dinner - Dynamic Earth 7pm drinks reception with dinner served at 8pm		



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Regenerative Medicine 2023

Day 3:
10th November 2023

Friday 10th Nov

Session 9:

Developing a cell therapy from hESCs: Parkinson's Disease as a case study

Chair: tbc

09:00-09:20

The rationale for developing a dopamine cell therapy for Parkinson's Disease

Roger Barker

09:20-09:40

Keynote: Developing the therapy - proof of concept to potential commercial product

Malin Palmer

09:40-10:00

Investigating the immunogenicity of cellular therapies for the treatment of Parkinson's disease

Jo Jones

10:00-10:20

Genetic stability of human pluripotent stem cells: implications for regenerative medicine

Ivana Barbaric

10:30-11:00

Coffee break with networking

Session 10:

Regenerative medicines for the eye: looking to the future

Chair: tbc

11:00-11:30

Keynote: Human Limbal stem cells for corneal regeneration in patients with severe limbal stem cell deficiency; Holoclar the first stem cell-based therapy approved in Europe

Graziella Pellegrini

11:30-11:50

Corneal tissue engineering

Hannah Levis

11:50-12:10

In-vivo testing of hydrogel scaffolds for retinal cell transplantation

Rachael Pearson

12:10-12:50

Current Director's roundtable – Where next?

Facilitated by
Paul Moss

12:50-13:00

Prize giving and meeting close

Robin Buckle and
Charlotte Durkin

13:00-14:00

Lunch – grab box