Joint lifETIME | ECMage | BLAST Networking Conference Programme

Tuesday 30th January 2024

University of Birmingham | Haworth | Room 203

13:50	**CDT Arrival and Admittance to Conference (Optional attendance for ECMage and BLAST networks)**
14:00	**Welcome: Prof. Matt Dalby,** University of Glasgow
14:05 - 14:45	**CDT Session** **Chairs: Aleksander Atanasov,** University of Birmingham. **Joanne Chang,** Royal College of Surgeons in Ireland.
	10-minute talks: (8 – talk, 2 – Questions) 14:05 **Hannah Williamson**, University of Birmingham. *On-Demand Sensors for Cell Therapy Bioprocessing.* 14:15 **Antonia Molloy**, Aston University. *Optimizing Mycobacterial drug discovery using picodroplet technology.* 14:25 **Matthew Woods**, University of Glasgow. *Optimizing Mycobacterial drug discovery using picodroplet technology.*
	3-minute talks: (3 – talk, 2 – Questions) 14:35 **Adam Efrat**, University of Birmingham. *Bioprocess development for production of 3D tissues to underpin creation of engineered meat.* 14:40 **Jennifer Willis**, Aston University. *Investigating bioengineering approaches to produce immuno-modulatory mesenchymal stromal cells and their extracellular vesicles for therapy.* 14:45 **Seyedmohammad Moosavizadeh**, University of Galway. *Development of a biomaterial releasing immunomodulatory extracellular vesicles for enhanced ocular cell and nerve healing following corneal injury: An in-vitro investigation.*
14:50	**Coffee Break**
15:05 – 15:50	**CDT Session** **Chairs: Francesca Kokkinos,** University of Glasgow. **Julia Isakova,** University of Glasgow.
	10-minute talks: (8 – talk, 2 – Questions) 15:05 **Jessica Roberts**, University of Glasgow. *A model of human T cell immune responses to biomaterials for bone reconstruction: the path to clinical translation* 15:15 **Sundararaman Sugunapriyadharshini**, University of Galway. *Building a 3D Spatial Spheroid Atlas of Tumour Stromal Interactions.*
	3-minute talks: (3 – talk, 2 – Questions)

	15:25 **Theodora Rogkoti**, University of Glasgow. *Engineered mechanochemical cancer microenvironments.* 15:30 **Lola Ajayi**, University of Glasgow. *Engineered microenvironments for multiscale mechanobiology of breast cancer.* 15:35 **Emma Kelly**, University of Glasgow. *Magnetic hydrogels for bone tissue engineering.* 15:40 **Conor Robinson**, University of Glasgow. *Bioengineering of pharma ready bone marrow models for cancer drug screening.* 15:45 **William Mills**, University of Glasgow. *Development of automated imaging and spectroscopic cell sorting platforms for research into cancer and metabolic diseases.*
15:50	**Coffee Break**
16:05 – 16:50	**CDT Session** **Chairs: James Kennedy,** University of Birmingham. **Ella Boswell,** Aston University.
	10-minute talks: (8 – talk, 2 – Questions) 16:05 **Chloe Wallace**, University of Glasgow. *New Hydrogels for Encapsulation and Biomedical Applications.* 16:15 **Aleksandar Atanasov**, University of Birmingham. *Creating a 3-dimensional skin substitute to model normal skin, wound healing and scarring using PODS® technology.* 16:25 **Sorour Nemati**, University of Galway. *Fibrotic Glial Scar Formation and Modulation in Vitro.*
	3-minute talks: (3 – talk, 2 – Questions) 16:35 **Josep Fumadó Navarro**, University of Galway. *Overcoming the challenges of vasculature in the organoid landscape.* 16:40 **Elaine Duncan**, University of Glasgow. *Bioengineering 3D adipose organoids for type 2 diabetes drug discovery.* 16:45 **Patrick Hurley**, University of Galway. *Brain organoid and multiple sclerosis-on-a-chip platform for CNS drug discovery.*
16:50	**Close**