

Mercia Stem Cell Alliance Annual Meeting
National STEM Learning Centre, The University of York, Tuesday 6th December 2022

09:30 am **Registration opens**
Tea, coffee and pastries

10:25 am **Opening Remarks**

Session 1

10:40 am **Megan Boseley** (Aston) “Scalable Cell Culture for production of Extracellular Vesicles for Regenerative Medicine Applications”

10:55 am **Dr. Fiona Docherty** (Birmingham) “Self-aggregation of stem cell derived beta cells is associated with maturation; mature cells can be identified and isolated using a specific surface marker”

11:10 am **Dr. David Kealy** (York) “Development of the miniaturIME method identifies the assembly of disease-associated Hypoxia-Inducible Factor transcription complexes conferring oncogenic gene-expression profiles in haematopoietic stem cells carrying the JAK2V617F mutation”

11:25 am **Prof. Tim Somerville** (Manchester) “Therapeutic targeting of EP300/CBP bromodomain in haematologic malignancies”

11:55 am **Flash poster presentations**

12:15 pm **Lunch and Poster Viewing**

Session 2

13:30 pm **Dr. Anastasia Hepburn** (Newcastle) “Transforming precision medicine in lethal prostate cancer using stem cell derived organoids”

13:50 pm **Dr. Aishah Nasir** (Nottingham) “Chemo-topography heart-in-a-dish platform for cardiac modelling”

14:05 pm **Fabrizio Mancini** (Manchester) “A retinoic acid analog and timing of BMP2 improves the differentiation of human pluripotent stem cells into articular cartilage”

14:20 pm **Kirsty Rooney** (Manchester) “Investigating HNF1B renal disease in a human kidney organoid model”

14:35 pm **Dr. Ivana Barbaric** (Sheffield) “Genetic changes in human pluripotent stem cells: implications for regenerative medicine”

14:55 pm **Coffee and poster viewing**

Session 3

15:30 pm **Dr. David English** (Leicester) “Identifying the Acute Effects of HDAC1 Removal in Mouse Embryonic Stem Cells”

- 15:45 pm **Mays Abuhantash** (Nottingham) “Development and Monitoring of a HOXA9 Reporter iPSC Cell Line During haematopoiesis”
- 16:00 pm **Savvas Ioannou** (York) “Mesenchymal stromal cell subpopulations secrete extracellular vesicles exhibiting different bioactivities”
- 16:15 pm **Prof. Elaine Dzierzak** (Edinburgh) “Defining the developmental transition to hematopoietic cell fate and function - is it possible?”
- 16:45 pm **Prizes and drinks reception**