25th Northern Cardiovascular Research Group (NCRG) meeting

Thursday 20th April 2017

Sackville Street Building, University of Manchester, Sackville Street, M1 3BB

09:00 – 09.50 Arrival, registration and exhibitors

09:50 – 10:00 Welcome

Session 1: Chairs Dave Greensmith and (TBC)

10:00 – 10:30 TBC
Gwilym Morris – University of Manchester

10:30 – 10:45 Phosphodiesterase-5 inhibition with sildenafil suppresses calcium waves by reducing sarcoplasmic reticulum content
David Hutchings – University of Manchester

10:45 – 11:00 Pro and anti-arrhythmic effects of neurons on macroscopic cardiac dynamics in culture
Rebecca Burton – University of Oxford

11:00 – 11:15 Non-muscle Myosin IIB (Myh10) is required for epicardial function and coronary vessel formation during mammalian development
Kathryn Hentges – University of Manchester

11:15 – 11:30 Palmitoylation of the L-type Ca channel pore-forming subunit
C. Sharon Kuo – University of Dundee

11:30 – 11:45 Quantitative analysis of the caveolar proteins in a rat heart
Ruth Norman – University of Leeds

11:45 – 12:00 Statin regulated ERK5 stimulates tight junction formation and reduces permeability in human cardiac endothelial cells
Michael Cross – University of Liverpool

12:00 – 13:00 Lunch, posters (informal) and exhibitors
13:00 – 14:00  **The Cairn Research Keynote Lecture**

Mitochondria: Regulators of life and death. Dr Elizabeth Murphy

14:00 – 16:00  **Formal poster session, exhibitors and coffee**

**Session 2: Chairs Chris Peers and Emma Radcliffe**

16:00 – 16:30  **Proteomic signatures of human blood vessel development**
Michael Taggart – Newcastle University

16:30 – 16:45  **Progress towards a tissue culture model to investigate endothelial erosion of plaques**
Stephen White – Manchester Metropolitan University

16:45 – 17:00  **Cre/lox studies identify resident macrophages as the cellular source of circulating coagulation Factor Xiii-A**
Cora Beckers – University of Leeds

17:00 – 17:15  **Exploring atrial action potential responses to changes in calcium window current characteristics**
Priyanka Saxena – University of Glasgow

17:15 – 17:30  **Closing remarks**

18:30  **Conference meal**
Swadesh Indian Restaurant
98 Portland Street, Manchester, M1 4GX