

25th Northern Cardiovascular Research Group 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: Chaired by Dave Greensmith and TBC

10:00 – 10:30 **Focal Atrial tachycardia arising from the Crista Terminalis and Bachmann's bundle; electrophysiological characterisation, ablation outcomes and mechanistic implications for tachycardia arising from nodal tissue in the atria**
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**



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13:00 – 14:00 **The Cairn Research Keynote Lecture**



Mitochondria: Regulators of life and death

Dr Elizabeth Murphy, NIH National Heart, Lung and Blood Institute, Maryland, USA

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

Session 2: Chaired by 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



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