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
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