

Northern Cardiovascular Research Group Meeting

17th April 2024

Venue: Novotel Liverpool Paddington Village, 3 Paddington Village, Off Grove Street, L7 3FA

9:00-10 Registration with refreshments (tea, coffee, biscuits)

10am – Welcome

Professor Louise Kenny, Executive Pro Vice Chancellor of Faculty of Health and Life Sciences, University of Liverpool

10:10-10:40 **PI Talk** (O1)

Dr Michael A Colman, University of Leeds

Large but non-excitatory delayed-afterdepolarisations: a novel mechanism for the initiation of tachy-arrhythmia and fibrillation?

10:40-11 **ECR Talk** (O2)

Rama Ijaz, University of Liverpool

Cardiovascular function around the clock: the effects of NRF2-mediated antioxidant pathway disruption

11-11:30 Refreshment break, posters and sponsor stands

11:30-11:50 **ECR Talk** (O3)

Alexandru Chelu, University of Manchester

The role of PMCA1 in heart failure and cardiac remodelling

11:50-12:50 **Keynote Talk**

Professor Chris Denning, University of Nottingham

Exploring Cardiovascular disease, drugs and repair using human pluripotent stem cell technologies

12:50-2:20 Lunch followed by poster viewing and visiting sponsors

2:20-2:40 **ECR Talk** (O4)

Dr Christopher O'Shea, University of Birmingham

ElectroMap 2: New software for analysis of cardiac optical mapping data for clinical translation

2:40-3:00 **ECR Talk** (O5)

Sarah Shirley, University of Liverpool

Identifying inflammatory markers associated with poorer clinical outcomes in patients with acute Type A aortic dissection

3:00-3:30 **PI Talk** (O6)

Dr Kirsten Riches-Suman, University of Bradford

Transient exposure to the diabetic milieu in gestational diabetes imposes a persistent phenotypic switch in human umbilical artery smooth muscle cells

3:30-4:00 Refreshment break, posters and sponsor stands

4:00-4:30 **PI Talk** (O7)

Professor Mike Taggart, Newcastle University

Proteomic signatures distinguishing human maternal and placental arteries from each other and from other smooth muscle-rich tissues.

4:30-5:00 **PI Talk** (O8)

Dr Andrew Smith, University of Leeds

A New Method of Protein Sampling

5:00-5:30 **PI Talk** (O9)

Professor Mark Boyett, University of Bradford

Dissecting the circadian rhythm in heart rate

5:30 – Close and prizes

6 - Evening meal for those who have pre-registered (*£10 cash to be paid upon registration*)



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