

Scottish Cardiovascular Forum - 23rd annual meeting Saturday 1st February 2020

09:00 – 09:25 Registration and tea/coffee (John Arbuthnott building, Hamnett wing)

09:25 – 09:30 Welcome (John Arbuthnott building, Robertson wing AB101)

Dr Susan Currie

Session 1 Chair: Dr Margaret Cunningham

09:30 – 10.15 Prof Mandy MacLean, University of Strathclyde
Sex, Drugs and Pulmonary Hypertension

10:15 – 11:00 Oral communications 1

11:00 Coffee

Session 2 Chair: Dr Paul Coats

11:20 – 12:35 Oral communications 2

12:35 Lunch and poster session

Session 3 Chair: Dr Chris McCormick

13:50 – 15:30 Oral communications 3 (Roger Wadsworth award)

15:30 – 16:00 Oral communications 4

16:00 Coffee

Session 4 Chair: Prof Gwyn Gould

16:20 – 17:05 Dr Bean Dhaun, University of Edinburgh
The role of the innate immune system in hypertension and its complications

17:05 – 17:30 Prize-giving and close of meeting

Dr Susan Currie

Prizes – Thermo Fisher poster prize (PhD student) - £75

SCF poster prize (early career post-doctoral researcher) - £75

SCF oral prize (PhD student/early career post-doctoral researcher) - £150

Roger Wadsworth award (final year PhD student) - £300

Oral Communications 1

- 10:15 - 10:30 Greg Markby, University of Edinburgh *Severity-dependent gene expression in canine myxomatous mitral valve disease*
- 10:30 - 10:45 Khuram Raja, University of the Highlands & Islands *Prophylactic N-acetylcysteine is unsuccessful in influencing plasma antioxidant capacity in a parallel-group randomised controlled trial of patients with chronic kidney disease stage III: implications for contrast induced nephropathy*
- 10:45 - 11:00 Georgina Hall, University of Edinburgh *Retrospective evaluation of systemic hypertension in dogs with non-associative (primary) immune-mediated haemolytic anaemia*

Oral Communications 2

- 11:20 – 11:35 Kanchan Phadwal, University of Edinburgh *The ubiquitin proteasome pathway: a novel therapeutic target in vascular calcification*
- 11:35 – 11:50 Dawn Thompson, University of Aberdeen *FPR2 ligand W-peptide: a new therapeutic approach to treat atherosclerosis*
- 11:50 – 12:05 Daniel Longhorn, University of Strathclyde *Parallel development and characterisation of a novel anti-oxidant stent coating and an in vitro biological model for qualitative assessment*
- 12:05 – 12:20 Olivia Robertson-Gray, University of Glasgow *Small molecules activating Nrf2 as a therapeutic approach to prevent cardiac ischaemia/reperfusion injury*
- 12:20 – 12:35 Anna Koester, University of Glasgow *Investigating spatio-temporal dynamics of GLUT 4 dispersal in cardiomyocytes*

Oral Communications 3 (Roger Wadsworth award)

- 13:50 – 14:10 Zaher Al Bakour, University of Aberdeen *New insights into phosphodiesterase 1C as a novel target for pulmonary arterial hypertension*
- 14:10 – 14:30 Maria Boumpouli, University of Strathclyde *Understanding the blood flow in realistic and idealised models of the pulmonary bifurcation*
- 14:30 – 14:50 Tariq Farrah, University of Edinburgh *Novel mechanisms and therapeutic targets for cardiovascular disease in ANCA-associated vasculitis*
- 14:50 – 15:10 Calum McMullen, University of Strathclyde *Sunitinib mediates mitochondrial ROS production in adult rat cardiac fibroblasts via calcium/calmodulin dependent protein kinase II oxidation*
- 15:10 – 15:30 Emmanouil Solomonidis, University of Edinburgh *Single cell RNA sequencing reveals novel targets with a potential role in vascular regeneration in the ischaemic adult heart*

Oral Communications 4

- 15:30 – 15:45 Lian Tian, University of Strathclyde *Supra-coronary aortic banding improves right ventricular function in experimental pulmonary arterial hypertension*
- 15:45 – 16:00 Jun Yu Chen, University of Glasgow *Skin Na⁺ excess in hypertensive patients: isotonic nature and clinical correlates*