

2025 British Society for Cardiovascular Research Autumn Meeting
FRONTIERS IN CARDIOVASCULAR RESEARCH



3-4th September 2025

William Harvey Research Institute

Barts Faculty of Medicine and Dentistry, Queen Mary University of London

Conference Programme

3rd September

12.45 Welcome

Prof Dunja Aksentijevic, Prof Thomas Iskratsch

13.00-13.55 Keynote

Prof Sir Mark Caulfield

“Transforming Genomics and Healthcare”

Vice Principal of Barts Faculty of Medicine and Dentistry

Queen Mary University of London, UK

Session 1: Cardiovascular Genomics

Chairs: Dr Stavroula Kanoni & Prof Michelangelo Campanella, QMUL

14.00 - 14.25 Prof Hugh Watkins

“Genetic therapies for inherited cardiomyopathy”

University of Oxford, UK

14.25 - 14.50 Prof Nicole Soranzo

Sanger Institute, Cambridge, UK

14.50 - 15.15 Prof Panos Deloukas

Queen Mary University of London, UK

15.15 - 15.30 Mrs. Michelle Tang

“Reactivating developmental genes to promote neovascularisation and cardiac repair following myocardial infarction”

University of Edinburgh, UK

15.30 - 15.35 Sponsor Presentation – Materialise

15.35 - 15.40 Sponsor Presentation - Nanion

15.35 - 16.15 Coffee and posters

16.15 - 17.30 Early Career Investigators Prize

Judges: Prof Mike Murphy (Cambridge), Dr Sophie Saxton (Manchester), Dr Xuan Li (Cambridge)

16.15 - 16.30 Dr Kaitlyn Dennis

University of Oxford, UK

16.30 - 16.45 Dr Michael Drozd

University of Leeds, UK

16.45 - 17.00 Dr Aarushi Singhal

University of Edinburgh, UK

17.00 - 18.30 Poster moderation

19.30 Dinner – Bart’s Old Library, Whitechapel

4th September

Session 2: 9.00 Cardiac Metabolism

(Barts Metabolism Network sponsored session)

Chairs: Dr William Watson, Cambridge & Dr Megan Young, QMUL

9.00 - 9.25 Prof Dunja Aksentijevic

“Of Mice and Women: Does the X Factor Shape Metabolism and Cardiac Outcomes in Diabetic Cardiomyopathy?”

Queen Mary University of London, UK

9.25 - 9.50 Prof Lisa Heather

“Undercover roles for metabolites driving cellular chaos in the diabetic heart”

University of Oxford, UK

09.50 - 10.15 Prof Mike Murphy

“Mitochondria in ischaemia-reperfusion injury”

University of Cambridge, UK

10.15 - 10.30 Dr Yue Zhao

“Dissecting the role of NADPH oxidase-2 in a mouse model of HFpEF”

King’s College London, UK

10.30 - 11.00 Coffee Break and Posters

Session 3: Bioengineering

Chairs: Dr Caroline Roney, QMUL & Prof David Greensmith, Salford

11.00 - 11.25 Prof Shulamit Levenberg

“Vascularization of 3D engineered tissues”

Israel Institute of Technology, Israel

11.25 - 11.50 Prof Beata Wojciak Stothard

“From Promise to Reality: The Pros and Cons of Organ-on-Chip Modelling in Pulmonary Hypertension”

Imperial College London, UK

11.50 - 12.15 Prof Thomas Iskratsch

“Mechanical sensing and imprinting in cardiac disease”

Queen Mary University of London, UK

12.15 - 12.30 Dr Vedanta Mehta

“Mechanical Regulation of Uteroplacental Remodelling in Pregnancy”

University of Oxford

12.30 - 13.00 AGM

13.00 - 14.00 Lunch and posters

Session 4: Cardiac Redox, Inflammation and Signalling

Chairs: Dr Thomas Eykyn, Kings College London & Prof Carolyn Carr, Oxford

14.00 - 14.25 Prof Mirela Delibegovic

“Role of protein tyrosine phosphatase 1B (PTP1B) in cardiometabolic diseases”

University of Aberdeen, UK

14.25 - 14.50 Prof Pilar Alcaide

“T cell immune responses in the failing heart”

Tufts University School of Medicine, USA

14.50 - 15.15 Dr Rebecca Charles

“Redox regulation of soluble epoxide hydrolase in health and disease”

Queen Mary University of London, UK

15.15 - 15.30 Dr Gareth Purvis

“Hypercholesterolaemia promotes epigenetic memory in hematopoietic stem cells that persists after lipid lowering and causes systemic immunometabolic dysfunction mediated by macrophage metabolic reprogramming”

University of Oxford, UK

15.30 - 16.00 Coffee

16.00 - 17.00 Distinguished Lecturer Marshall Prize Lecture

Prof Stefan Neubauer

“A 44-year journey in cardiovascular research: From isolated hearts to advanced imaging and big data”.

University of Oxford, UK

17.00 - 17.30 Closing remarks and meeting close

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