

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



**3-4<sup>th</sup> September 2025**

*William Harvey Research Institute*

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

**Conference Programme**

**3<sup>rd</sup> 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, Queen Mary University of London*

**14.00 - 14.25 Prof Hugh Watkins**

*“Genetic therapies for inherited cardiomyopathy”*

*University of Oxford, UK*

**14.25 - 14.50 Prof Nicole Soranzo**

*“Endothelial and Immune Components of Cardio Metabolic Diseases”*

*Sanger Institute, Cambridge, UK*

**14.50 - 15.15 Prof Panos Deloukas**

*“Genomics of Coronary Artery Disease and Tools for Disease Prediction”*

*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 - 17.15 Early Career Investigators Prize**

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

**16.15 - 16.35 Dr Kaitlyn Dennis**

*University of Oxford, UK*

**16.35 - 16.55 Dr Michael Drozd**

*University of Leeds, UK*

**16.55 - 17.15 Dr Aarushi Singhal**

*University of Edinburgh, UK*

**17.15 - 18.30 Poster moderation**

**19.30 Dinner – Bart’s Old Library, Whitechapel**

**4<sup>th</sup> 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

### MEETING SPONSORS

We thank the following sponsors for their support:

#### Gold Sponsors:



#### Silver Sponsors:



#### Bronze Sponsors:

