

Joint Meeting of the Bristol Heart Institute and the British Heart Foundation Bristol Accelerator Award



Programme

Thursday 22nd February 2024

09:00	Arrival, coffee, refreshments	Titles
09:30	Welcome and updates	
	Gianni Angelini	Welcome and BHI update
	Jeremy Tavare	Faculty update
	Giovanni Biglino	Heart Festival update
09:50	Research showcase (part 1)	
09:50	Elisa Avolio	Repurposing the anti-cancer drug PD0325901 (MEK inhibitor) to rescue cardiac pericyte function and promote myocardial recovery after ischemia
10:05	Jenna Zhao	Bioengineering platelets for therapeutic purposes
10:20	Ben Gibbison	Applied Cardiovascular Health Research
10:35	John Scott	Dimension Reduction for Prediction of Bleeding/Ischaemia Risk
10:50	Break	
11:15	Research showcase (part 2)	
11:15	Carolina Borges	Harnessing human genetics to improve evidence on the effects of medication use in pregnancy
11:30	Nancy McBride	Assessing the impact of maternal glycaemia on pregnancy outcomes: a Mendelian Randomization study
11:45	Michele Carrabba	A novel Hybrid Tissue Engineering Vascular graft for the correction of small-diameter artery obstruction
12:00	Stephen Harmer	Rescuing defective trafficking of mutant channel complexes in the long QT syndrome
12:15	EDI considerations and inclusive research	
	Maria Pufulete	EDI toolkit for cardiology trials
	Charli Skinner	Lived Experience as Expertise
12:35	Lunch	
14:00	Updates BHF	
	Deborah Lawlor	Update BHF Accelerator Award
14:15	PhD flash presentations	
14:15	Alice Hathaway	Engineering ADAMTS13 with different ABO groups.

14:20	Alice Etheridge	Investigating the Role of Ageing and Inflammation in a Zebrafish Model of Cardiac Valve Disease
14:25	Amy Harris	Decellularisation of porcine valved conduits for correction of congenital heart disease
14:30	Connor Webb	Crosstalk between thromboxane A2 (TxA2) and prostaglandin EP3 receptor in platelets
14:35	Hetty Walker	The design and Testing of Novel PROTAC Tools for Targeting Protein Kinase Degradation in Human Platelets
14:40	Joseph Carr	Investigating hERG potassium channel defects in sudden cardiac death
14:45	Khaled Abdelsattar Kassem Mohammed	Inhibition of MEK/ERK pathway stimulates a reparative pathway in aortic aneurysm by restoring adventitial pericytes contractile phenotype and functional prosperities
14:50	Kumuthu Amaradasa	Characterising pathological changes in a porcine early vein graft model
14:55	Laura Pannell	Circadian rhythm in pro-arrhythmic activity of pulmonary vein cardiomyocytes
15:00	Laura Skinner	Investigating the role of the glomerular glycocalyx in the vascular injury of pre-eclampsia
15:05	Nathalie Tarassova	The cardioprotective effect of the platelet secretome
15:10	Nitin Chandra Mohan	Emerging role of optical coherence tomography in cardiovascular disease
15:15	Sam Sendac	The Impact of Heparan Sulphate Loss on the Brain Microvasculature in Diabetes and its Contribution to Alzheimer's Development
15:20	Sama Khalid	Assessing the association between atherosclerotic plaque instability and neuroinflammation during early-onset vascular dementia
15:25	Sevil Erarslan Catak	Subantimicrobial Doxycycline Preserves Integrity of the Glomerular Endothelial Glycocalyx
15:30	Yousef Aljassam	Unsupervised Hierarchical Clustering and Statistical Shape Modelling: Methodological Considerations in the Morphological Assessment of Aortic Valve Replacement Patient
15:35	Break	
16:00	Plenary talk	
	Sarah Murray	Who is the expert? Observations from three decades of a patient-centred perspective
16:50	Awards, final remarks and closure	