



BHF Centre of Research Excellence:

Joint Symposium Imperial – Oxford –Cambridge

Tuesday 24th June 2025, 09:30 – 14:00

Level 12, Uren Building, White City Campus

BHF Centre of Research Excellence: Imperial & Oxford

09:30 – 10:00 – Registration and refreshments

10:00 – 10:05 – **Welcome** - **Professor Barbara Casadei**, Professor of Cardiovascular Medicine, Head of the National Heart and Lung Institute, Imperial & **Professor Costanza Emanuelli**, Co-Director of the BHF Imperial CRE, BHF Chair in Cardiovascular Science, Imperial

Chairpersons: Professor Martin Wilkins, Professor of Clinical Pharmacology, Imperial & **Professor Betty Raman**, Associate Professor of Cardiovascular Medicine, Imperial

10:05 – 10:20 – **Overview and update of BHF CRE Theme 1 & Theme 4** - Professor Jamil Mayet, Professor of Cardiology & Dr Fu Siong Ng, Reader in Cardiac Electrophysiology, Imperial

10:20 – 10:35 – **'Making my heart count'** - **Professor Allan Lawrie**, Chair of Pulmonary Vascular Diseases, Imperial

10:35 – 10:50 – **'AI-ECG risk assessment in cardiovascular disease'** - **Dr Fu Siong Ng**, Reader in Cardiac Electrophysiology, Imperial

10:50 – 11:05 – **'From proteins to whole heart physiology: building a digital heart'** - **Professor Steve Niederer**, Chair in Biomedical Engineering, Imperial

11:05 – 11:20 – **Overview of the BHF Oxford Centre of Research Excellence** - **Professor Blanca Rodriguez**, Professor of Computational Medicine and Wellcome Senior Research Fellow in Biomedical Sciences, Oxford University

11:20 – 11:40 - Break - Refreshments

Chairpersons: Professor Jane Mitchell, Professor of Pharmacology in Critical Care Medicine & **Professor Jamil Mayet**, Professor of Cardiology, Imperial

11:40 – 11:55 – **'Using radiotranscriptomics in cardiovascular research'** - **Professor Charis Antoniades**, Professor of Cardiovascular Medicine, Oxford University

11:55 – 12:10 – **'From heart to whole body: insights from cardiac and multiorgan assessments in HCM and beyond'** - **Professor Betty Raman**, Associate Professor of Cardiovascular Medicine and Wellcome Career Development Award Fellow, Oxford University

12:10 – 12:25 – **'AI-enabled human modelling and simulation against cardiovascular disease'** - **Professor Blanca Rodriguez**, Professor of Computational Medicine and Wellcome Senior Research Fellow in Biomedical Sciences, Oxford University

12:25 – 12:40 – **'Research and translation of AI enhancement for cardiovascular MR imaging'** - **Professor Qiang Zhang**, Associate Professor of AI in Cardiovascular Imaging and BHF Intermediate Research Fellow, Oxford University

ECR Contributions

12:40 – 12:50 **'A phenotypic taxonomy of cardiovascular disease in UK Biobank'** - **Dr Lara Curran**, BHF CRE (funded) Clinical Research Fellow, Imperial

12:50 – 13:00 – **'Image-based computational modelling of pulmonary hypertension'** - **Dr Chloe Armour**, BHF Immediate Research Fellow, Imperial

13:00 – 14:00 – **Lunch and Spotlight on Early Career Researchers: Poster Session**



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14:00 – 14:05 – Welcome - **Professor Barbara Casadei**, Head of the National Heart and Lung Institute, Imperial & **Professor Manuel Mayr**, Co-Director of the BHF Imperial CRE & BHF Chair in Cardiovascular Proteomics, Imperial

Chairpersons: Professor Sanjay Prasad, Professor of Cardiomyopathy, Imperial & **Professor Sanjay Sinha**, Professor in Cardiovascular Regenerative Medicine, Cambridge University

14:05 – 14:20 – Overview and update of BHF CRE Theme 2 & Theme 3 – **Professor Declan O'Regan**, BHF Chair of Cardiovascular AI & **Professor Anna Randi**, Professor of Cardiovascular Medicine, Imperial

14:20 – 14:35 – 'Using multiomics to study the cardiovascular system in health and disease' - **Dr Michela Nosedà**, Associate Professor in Cardiovascular Science, Imperial

14:35 – 14:50 – 'The proteomics landscape of dilated cardiomyopathy' - **Dr Javier Barallobre-Barreiro**, BHF Intermediate Basic Science Research Fellow, Imperial

14:50 – 15:05 – 'Emerging technologies for studying cardiovascular diseases' - **Professor Julia Gorelik**, Professor of Cellular Biophysics, Imperial

15:05 – 15:20 – 'Therapy through the life course of dilated cardiomyopathy' - **Dr Brian Halliday**, BHF Intermediate Clinical Research Fellow, Imperial

15:20 – 15:45 - Break – Refreshments

Chairpersons: Dr Chris Rhodes, BHF Senior Basic Science Research Fellowship, Imperial & **Professor Martin Bennett**, Director of the BHF Cambridge CRE

15:45 – 16:00 – Overview of the BHF Cambridge Centre of Research Excellence - **Professor Martin Bennett**, Director of the BHF Cambridge CRE, BHF Chair of Cardiovascular Sciences, Cambridge University

16:00 – 16:15 – 'From the human heart atlas to stem cell models' - **Professor Sanjay Sinha**, Professor in Cardiovascular Regenerative Medicine, Cambridge University

16:15 – 16:30 – 'Regenerating the damaged heart' – **Dr Catherine Wilson**, Associate Professor, Cambridge University Dept Pharmacology, Cambridge University

16:30 – 16:45 – 'Regulation of microtubule function in cardiovascular disease' - **Dr Xuan Li**, BHF Senior Research Fellow, Cambridge University

16:45 – 17:00 – 'Decoding cardiometabolic disease: placing metabolic flexibility at the core of pathogenesis' - **Dr Ana Vujic**, BHF Intermediate Research Fellow, Cambridge University

17:00 – 17:15 – Thank you and close - **Professor Manuel Mayr** & **Professor Costanza Emanuelli**, Co-Directors BHF Imperial Centre of Research Excellence

17:15 – 18:30 - Drinks and Networking