



Joint BAS / BSCR meeting at the BCS annual conference New Frontiers in Cardiovascular Research Monday 1 – Tuesday 2 June 2026

Organised jointly by:



BSCR
The British Society
for Cardiovascular Research

Hosted by:



Supported by:



VENUE: Manchester Central, Windmill Street, Petersfield M2 3GX

<https://www.manchestercentral.co.uk/getting-here>

<https://w3w.co/these.agree.meals>

Joint Society Programme

Monday 1 June

10:05 – 11:30

Basic & Translational Science session 1

ChatGTP, fix my heart: use of AI and computer modelling to address cardiovascular disease

This session explores how artificial intelligence and advanced computer modelling are revolutionising cardiovascular care and accelerating research in the field.

Session co-chaired by: **Dr Sarah Withers** + **Prof Dave Greensmith**

Charter 2

10:05 - 10:20	Application of AI to better understand cardiovascular disease	Professor Maia Angelova (Aston, UK)
10:20 - 10:25	Discussion	
10:25 - 10:40	From early computer simulations to AI-powered insights: A new era in cardiovascular training models	Dr Chris Hughes (Keele, UK)
10:40 - 10:45	Discussion	
10:45 - 11:00	Artificial intelligence-assisted automated heart failure detection and classification from electronic health records	Dr Ify Mordi (Dundee, UK)
11:00 - 11:05	Discussion	
11:05 - 11:20	Development, calibration, and validation of a novel human ventricular myocyte model in health, disease, and drug block	Dr Jakub Tomek (Oxford, UK)
11:20 - 11:25	Discussion	
11:00 - 11:35	Networking Break	Education Hall

11:35 – 12:30

Spotlight on BHF Fellows

Session co-chaired by:

Charter 2

12:30 - 13:50	Lunch and Networking Break	Education Hall
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12:30 – 13:45

Hot topic session

Session co-chaired by:

Hot Topics Zone 3, Education Hall

12:30 - 12:40	Human Cardiac Organoids Reveal Mechanisms and Preventive Targets in Congenital Heart Disease	Dr Yingjuan Liu (Manchester, UK)
12:40 - 12:45	Discussion	
12:45 - 12:55	Placental artery-on-a-chip: a new tool for pregnancy research	Dr Teresa Tropea (Manchester, UK)
12:55 - 13:00	Discussion	
13:00 - 13:10	Modelling immune-cardiac interactions in ischemic cardiac injury	Dr Jasmeet Reyat (Oxford, UK)
13:10 - 13:15	Discussion	
13:15 - 13:25	Ageing Reorganises Vascular Smooth Muscle Cell Function Through Reuse of Conserved Functional Programmes	Dr Alice Bradford (Norwich, UK)
13:25 - 13:30	Discussion	
13:30 - 13:40	Amyloid-beta 40 as a biomarker of vascular ageing	Dr Simon Tual-Chalot (Newcastle, UK)
13:40 - 13:45	Discussion	

13:50 – 15:15

Basic & Translational Science session 2

Cardiorespiratory Crosstalk: Bridging Insights in Health and Disease

This session delves into cardiorespiratory risks and crosstalk in health and disease.

Session co-chaired by:

Dr Juma El-Awaisi + Dr Sam Bartlett-Pestell

Charter 2

13:50 - 14:05	Decoding Cardiovascular Risk in COPD: Reducing Cardiopulmonary Risks	Professor Chris Gale (Leeds, UK)
14:05 – 14:10	Discussion	
14:10 – 14:25	Exploring Cardiac Dysfunction in Chronic Lung Diseases: Mechanisms and Interventions	Professor Wisia Wedzicha (London, UK)
14:25 - 14:30	Discussion	
14:30 - 14:45	Neutrophil Dynamics in Alpha-1 Antitrypsin Deficiency: A Link to Cardiorespiratory Health	Professor Elizabeth Sapey (Birmingham, UK)
14:45 - 14:50	Discussion	
14:50 - 15:05	Evaluating Therapeutic Response in Patients with Cardiopulmonary Disease	Professor Alex Rothman (Sheffield, UK)
15:05 - 15:10	Discussion	

15:15 - 16:00	Networking Break	Education Hall
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15:45 – 17:00

BAS/BSCR Oral abstract session

Best of the Best

Education Hall

17:50 – 18:35

Basic & Translational Science

John French Lecture

Session chaired by: [Prof Tomasz Guzik](#) (University of Edinburgh, UK)

Charter 1

17:50 - 18:35	Mitochondrial Dysfunction in Atherosclerosis: Mechanisms and Therapeutic Implications	Dr Emma Yu (Cambridge, UK)
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18:30 - 20:00	BHF Drinks Reception and Update (open to all delegates)	The Junction
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BAS / BSCR Society dinner

Dukes, 18-25 Castle Street, Manchester M3 4LZ

(invited faculty, guests and ticket holders only)

19:30 - 20:00	Arrival and welcome drink	
20:00 - 22:00	Dinner Presentation of the BAS/BSCR Best of the Best Oral abstract session	

Tuesday 2 June

09:00 – 10:25

Basic & Translational Science 3

RNA therapeutics in cardiovascular disease

RNA therapeutics in cardiovascular disease covers novel strategies and innovative, cutting-edge RNA-based modalities to target critical etiological pathways in cardiovascular disease. This session will feature 4 talks bringing together approaches tapping into pathways involving various non-coding RNAs, miRNAs and nucleic acid based therapies to treat cardiovascular pathologies. Targets both basic and translational scientists.

Session co-chaired by: [Dr Aishwarya Jacob](#) + TBC

Charter 3

09:00 - 09:15	miRNA therapies for cardiac regeneration	Professor Mauro Giacca (London, UK)
09:15 - 09:20	Discussion	
09:20 - 09:35	Nucleic acid therapies to prevent pathological vascular remodelling	Professor Andrew H Baker (Edinburgh, UK)
09:35 - 09:40	Discussion	
09:40 - 09:55	Decoding Cardiac MicroRNA Regulation: circRNA Interactions and METTL3 Driven Epitranscriptomics	Professor Costanza Emanuelli (London, UK)
09:55 - 10:00	Discussion	
10:00 - 10:15	Regenerating the heart with MYC – novel RNA driven approaches for cardiac specific activation of MYC	Dr Catherine Wilson (Cambridge, UK)
10:15 - 10:20	Discussion	
10:25 - 11:25	Networking Break	Education Hall

12:20 - 13:55	Lunch and Networking Break	Education Hall
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12:20 – 13:50

BCS-BHF-BAS-BSCR Early Career Investigator Award (ECIA)

Session co-chaired by:

Session judges:

Auditorium

14:00 – 16:30

Basic Science

Moderated Poster session

Education Hall

16:00 - 16:15

Comfort break

16:15 - 16:30

Announcement of and presentation to poster prize winners

Hot Topic Zone 1

14:50 - 16:05

Networking Break

Education Hall

16:05 – 17:00

BHF Session

Session co-chaired by:

Charter 4

17:30 – 18:45 onwards

BCS Networking Reception and BCS Quiz

Education Hall

Presentation of the BCS-BHF-BAS-BSCR Early Career Investigator Award (ECIA)

BASIC SCIENCE POSTERS

To be advised