



# 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

**Poster set up** | Posters go up at the start of the day in the Education Hall

10:05 – 11:30

**Basic & Translational Science session 1**

**ChatGPT, 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	<b>Professor Maia Angelova</b> (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	<b>Dr Chris Hughes</b> (Keele, UK)
10:40 – 10:45	Discussion	
10:45 – 11:00	Artificial intelligence-assisted automated heart failure detection and classification from electronic health records	<b>Dr Ify Mordi</b> (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	<b>Dr Jakub Tomek</b> (Oxford, UK) (TBC)
11:20 – 11:25	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	

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 (University of Cambridge, UK)
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**BAS / BSCR Society dinner 19.30 – 22.00**

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

*(invited faculty, guests and ticket holders only)*

## 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. T

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

### Charter 3

09:00 - 09:15	miRNA therapies for cardiac regeneration	<a href="#">Professor Mauro Giacca</a> (London, UK)
09:15 - 09:20	Discussion	
09:20 - 09:35	Nucleic acid therapies to prevent pathological vascular remodelling	<a href="#">Professor Andrew H Baker</a> (Edinburgh, UK)
09:35 - 09:40	Discussion	
09:40 - 09:55	Decoding Cardiac MicroRNA Regulation: circRNA Interactions and METTL3 Driven Epitranscriptomics	<a href="#">Professor Costanza Emanuelli</a> (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	<a href="#">Dr Catherine Wilson</a> (Cambridge, UK)
10:15 - 10:20	Discussion	

**14:00 – 16:30**

**Basic Science**

**Moderated Poster session**

**Education Hall**

**BAS BSCR poster moderators:**

16:15 - 16:30	Announcement of and presentation to poster prize winners
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