





Joint BAS / BSCR meeting at the BCS annual conference
New Frontiers in Cardiovascular Research
Monday 2 – Tuesday 3 June 2025

Organised jointly by:   **BSCR**
The British Society
for Cardiovascular Research

Hosted by:  **British Cardiovascular Society**

Supported by:  **British Heart Foundation**

Joint Society Programme

Monday 2 June

10:00 – 11:30

Basic & Translational Science session 1

Advances in human cardiovascular disease modelling

To discuss the need, opportunities and challenges of accurate human in vitro models of cardiovascular disease.

Session co-chaired by:

[Prof Nicola Smart](#) (University of Oxford, UK) and [Dr Liam Ridge](#) (Manchester Metropolitan University, UK)

Charter 2

10:00 - 10:15	Epicardioids to investigate key contributions of the epicardium during heart development and disease	Prof Alessandra Moretti (Munich, Germany)
10:15 - 10:20	Discussion	
10:20 - 10:35	In vitro systems to understand inherited and acquired cardiac disease	Dr Chris Toepfer (Oxford, UK)
10:35 - 10:40	Discussion	
10:40 - 10:55	Human blood vessel organoids (BVOs) as a model of the microvasculature	Dr Anna Zampetaki (London, UK)
10:55 - 11:00	Discussion	
11:00 - 11:15	iPSC-derived aortic disease models	Dr Deeti Shetty (Cambridge, UK)
11:15 - 11:20	Discussion	
11:00 - 11:30	Break	Education Hall

11:30 – 12:30

Spotlight on BHF Fellows

Session co-chaired by: [tbc](#)

Charter 2

12:30 - 13:45	Lunch break	Education Hall
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12:30 – 13:45

Hot topic session

Session co-chaired by: [tbc](#)

[Hot Topics Zone 3, Education Hall](#)

13:45 – 15:15

Basic & Translational Science session 2

Sex differences in cardiovascular health &

This session delves into the mechanisms of sex differences in cardiovascular disease risk and mortality

Session co-chaired by:

[Dr Sophie Saxton](#) (University of Manchester, UK) and [Dr Paul Meakin](#) (University of Leeds, UK)

[Charter 2](#)

13:45 - 14:00	The influence of oestrogen loss in women on vascular health and the effect of physical activity	Prof Ylva Hellstenm (Copenhagen, Denmark)
14:00 - 14:05	Discussion	
14:05 - 14:20	The role of testosterone on atherosclerosis	Dr Dan Kelly (Sheffield, UK)
14:20 - 14:25	Discussion	
14:25 - 14:40	Oestrus cycle-dependent regulation of rat arterial Kv7.4	Prof Iain Greenwood (London, UK)
14:40 - 14:45	Discussion	
14:45 - 15:00	Characterising morpho-functional differences in dilated cardiomyopathy in the context of sex	Dr Paz Tayal (London, UK)
15:00 - 15:05	Discussion	

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

BAS/BSCR Oral abstract session

Best of the Best

[Education Hall](#)

17:45 – 18:30

Basic & Translational Science

John French lecture

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

[Charter 2](#)

BAS / BSCR Society dinner Dukes, 18-25 Castle Street, Manchester M3 4LZ		
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 3 June

09:00 – 10:30 Basic & Translational Science 3 Atherosclerotic plaque stability: cellular, genetic and biomechanical mechanisms <i>This session will look at different mechanisms that regulate stability of atherosclerotic plaques, which is highly relevant to cardiovascular disease progression and complications. The session will be relevant both to basic science and clinical researchers with interest in cardiovascular disease and atherosclerosis.</i> Session co-chaired by: Dr Richard Cubbon (University of Leeds, UK) and Dr Jovana Serbanovic-Canic , (University of Sheffield, UK) Charter 2		
09:00 - 09:15	Causes and effects of increased plaque structural stress	Prof Martin Bennett (Cambridge, UK)
09:15 - 09:20	Discussion	
09:20 - 09:35	Phenotyping atherosclerotic plaque stability	Prof Judith Sluimer (Maastricht, The Netherlands)
09:35 - 09:40	Discussion	
09:40 - 09:55	Shear stress, EndMT and atherosclerosis	Prof Paul Evans (London, UK)
09:55 - 10:00	Discussion	
10:00 - 10:15	Plaque erosion as a trigger of acute coronary syndromes	Dr Steve White (Newcastle up on Tyne, UK)
10:15 - 10:20	Discussion	
10:30 - 11:30	Break	Education Hall

11:30 – 12:30 BHF Session Charter 2		
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12:30 - 14:00	Lunch break	Education Hall
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12:30 – 14:00

BCS/BHF/BAS/BSCR Young Investigators Award Competition

Session co-chaired by: [tbc](#)

Session judges: [tbc](#)

[Charter 2](#)

14:00 – 16:30

Basic Science

Moderated Poster session

[Education Hall](#)

BAS BSCR poster moderators: [TBC](#)

16:00 - 16:15	Comfort break
16:15 - 16:30	Announcement of and presentation to poster prize winners
	Hot Topic Zone 1

15:00 - 16:15	Break	Education Hall
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17:45 onwards

BCS networking reception

[Education Hall](#)

Presentation of the BCS/BHF/BAS/BSCR Young Investigators Award
