



## Joint Spring Meeting 2012

Manchester Central, May 28-29 2012

### New Frontiers in Cardiovascular Imaging: From Basic Science to Clinical Application

#### Programme





## Day 1: Monday May 28

**08.00 – 10.00 BSCR Committee Meeting**

**10.30 – 12.00 Functional Imaging Arrhythmogenic Substrates/Arrhythmias**

[Charter 1](#)

*Chairs: Andrew Grace, Manuela Zaccolo*

10.30 – 10.50 Cyclic nucleotide signalling: in vivo imaging of intracellular signal transduction

*Manuela Zaccolo (Glasgow)*

10.50 – 11.10 Imaging structure and calcium release in the atria

*Katherine Dibb (Manchester)*

11.10 – 11.30 Exciting light: optogenetics in cardiac muscle physiology

*Philipp Sasse (Bonn)*

11.30 – 11.50 Imaging and cardiac ablation

*Samuel Asirvatham (Mayo Clinic)*

11.50 – 12.00 Panel Discussion

**12.00 – 13.00 Lunch**

**Put up posters**

**Trade stands**

[Fitzroy Atrium  
Exhibition Hall](#)

**13.00 – 14.30 Application of Imaging Techniques in Heart Failure Research**

[Charter 1](#)

*Chairs: Colin Berry, Godfrey Smith*

13.00 – 13.20 Nanoscale SICM/FRET insights into  $\beta$ -adrenergic receptor distribution and cAMP compartmentation in cardiac myocytes

*Julia Gorelik (Imperial, London)*

13.20 – 13.40 Local control in excitation-contraction coupling

*Mark Cannell (Bristol)*

13.40 – 14.00 Multi-photon imaging of contractile failure

*Rachel Myles (Glasgow)*

14.00 – 14.20 Nox4-dependent protective effects in the heart

*Ajay Shah (King's, London)*

14.20 – 14.30 Panel Discussion



## Day 1: Monday May 28 (continued)

<b>14.30 – 16.30</b>	<b>BSCR/BAS Posters</b>	<a href="#">Fitzroy Atrium</a>
<b>16.30 – 17.30</b>	<b>BCS Paul Wood Lecture</b>	<a href="#">Auditorium</a>
<b>17.30 – 18.30</b>	<b>BAS John French Lecture</b> <i>Chair: Martin Bennett</i>  Matrix metalloproteinases and atherosclerosis: get the right balance <i>Jason Johnson (Bristol)</i>	<a href="#">Charter 1</a>

## Day 2: Tuesday May 29

<b>08.30 – 10.00</b>	<b>Joint BSCR/BAS Young Investigators Award</b> <i>Chairs: Martin Bennett, Yvonne Alexander</i>	<a href="#">Charter 1</a>
08.30 – 08.45	First selection <i>Candidate 1</i>	
08.45 – 09.00	Second selection <i>Candidate 1</i>	
09.00 – 09.15	Third selection <i>Candidate 1</i>	
09.15 – 09.30	Fourth selection <i>Candidate 1</i>	
09.30 – 09.45	Fifth selection <i>Candidate 1</i>	
09.45 – 10.00	Sixth selection <i>Candidate 1</i>	
<b>10.00 – 10.30</b>	<b>Break</b> <b>Trade stands</b>	<a href="#">Exhibition Hall</a>
<b>10.30 – 12.00</b>	<b>BCS Young Research Worker's Prize</b>	<a href="#">Fitzroy Theatre</a>
<b>12.00 – 13.00</b>	<b>Lunch</b> <b>Trade stands</b>	<a href="#">Exhibition Hall</a>



## Day 2: Tuesday May 29 (continued)

- 13.00 – 14.30 Molecular and cellular imaging in myocardial infarction and regeneration** [Charter 1](#)  
*Chairs: Robin Choudhury, Farouc Jaffer*
- 13.00 – 13.40 Elucidation of myocardial healing: lessons from multimodal imaging  
*Matthias Nahrendorf (Harvard)*
- 13.40 – 14.00 MRI for comprehensive characterisation in mouse models of myocardial ischaemia  
*Jürgen Schneider (Oxford)*
- 14.00 – 14.20 MR spectroscopy, oxygen imaging, myocardial metabolism and emerging techniques  
*Stefan Neubauer (Oxford)*
- 14.20 – 14.30 Panel Discussion
- 14.30 – 15.00 Break**  
**Trade stands** [Exhibition Hall](#)
- 15.00 – 16.30 Emerging techniques for evaluation of atherosclerotic plaque** [Charter 1](#)  
*Chairs: Matthias Nahrendorf, James Rudd*
- 15.00 – 15.40 Near-IR fluorescence approaches to imaging atherosclerosis and thrombosis  
*Farouc Jaffer (Harvard)*
- 15.40 – 16.00 VH-IVUS in acute coronary syndromes  
*Martin Bennett (Cambridge)*
- 16.00 – 16.20 Application of PET for the assessment of novel therapies  
*James Rudd (Cambridge)*
- 16.30 – 16.30 Panel Discussion
- 16.30 Closing Remarks and Prize Giving** [Charter 1](#)  
*Martin Bennett, Yvonne Alexander*