BSCR Autumn Meeting 2016
Cardiovascular Disease and Diabetes
University of Leeds, September 5-6th 2016

Conference organisers: Karen Porter, Neil Turner, Stephen Wheatcroft, Sandra Jones
Autumn Meeting 2016, Leeds

Day 1 – Monday 5th September 2016

10.30-12.30  BSCR Committee meeting (Michael Sadler Building LG16)

11.00-13.00  Registration and put up posters
Parkinson Building, main entrance

12.00-13.00  LUNCH AND POSTERS
Parkinson Court

13.00-13.05  Welcome and Introduction
Rupert Beckett Lecture Theatre

Session 1  Vascular Signalling in Diabetes
Sponsored by Leeds Multidisciplinary Cardiovascular Research Centre (MCRC)
Rupert Beckett Lecture Theatre

Chairpersons:

13.05-13.30  Esther Lutgens (AMC, University of Amsterdam, Netherlands)
Immune checkpoint regulators in cardiovascular and metabolic disease
Sponsored by The Biochemical Society

13.30-13.55  Maria Gomez (Lund University, Sweden)
GIP and cardiovascular disease: A reminder of the central role of the gut in the
pathophysiology of T2D and its complications

13.55-14.20  Jorge Ferrer (Imperial College London)
Non-coding genome function in pancreatic islets

14.20-14.45  Cathy Shanahan (Kings College London)
Vascular calcification in diabetes – missing links

14.45-15.15  COFFEE BREAK AND POSTERS
Parkinson Court

Session 2  The Bernard and Joan Marshall Awards
Rupert Beckett Lecture Theatre

The Bernard and Joan Marshall Young Investigator Prize
Chairpersons:
Judging panel: Cherry Wainwright, David Beech, Yvonne Alexander, Ramzi Ajjan

15.15-15.35  Victoria Mascetti (University of Cambridge)
Human-mouse chimeras validate human stem cell pluripotency and cardiovascular
differentiation

15.35-15.55  Eva Rog-Zielinska (Imperial College London)
Structural basis for electrotonic coupling of excitable and non-excitable cells in the
heart
Autumn Meeting 2016, Leeds

15.55-16.15 Anoop Shah (University of Edinburgh)
High-sensitivity cardiac troponin I at presentation in patients with suspected acute coronary syndrome: a cohort study

16.15-16.45 The Bernard and Joan Marshall Research Excellence Lecture
Arjun Deb (UCLA, California, USA)
Fibroblast plasticity in heart health and disease

16.45-17.45 The Bernard and Joan Marshall Distinguished Investigator Lecture
Chair: Prof Mark Kearney, BHF Chair of Cardiovascular & Diabetes Research (University of Leeds)

Domenico Accili (Columbia University Medical Center, New York, USA)
Heart disease and diabetes: time to declare victory and get out?

Session 3  Posters
Parkinson Court

17.45-19.30 Poster moderation and wine reception

19.45 BSCR CONFERENCE DINNER
The Great Hall, University of Leeds

After dinner speech – Kersten Hall (University of Leeds)
“From Dark Satanic Mills to Diabetes - the scientific heritage of Leeds”

BSCR Marshall prizes, poster prizes
# Session 4  Free Oral Communications

*Rupert Beckett Lecture Theatre*

**Chairpersons:**

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<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
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<tbody>
<tr>
<td>09.15-09.30</td>
<td>Robert Bell (University College London)</td>
<td>High glucose and myocardial ischaemia/reperfusion injury: The role of the sodium/glucose transporter, SGLT1</td>
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<td>09.30-09.45</td>
<td>Ric Cubbon (University of Leeds)</td>
<td>Systemic insulin resistance without dysglycaemia impairs angiogenesis</td>
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<td>09.45-10.00</td>
<td>Matthew Kerr (University of Oxford)</td>
<td>Type 2 diabetic hearts are energetically defective both globally and at the level of the mitochondria</td>
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<td>10.00-10.15</td>
<td>Sumia Bageghni (University of Leeds)</td>
<td>Cardiac fibroblast p38α MAP kinase is essential for cardiomyocyte hypertrophy and cardiac dysfunction following myocardial injury</td>
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**Session 5  The Diabetic Heart**

*Sponsored by AD Instruments  
Rupert Beckett Lecture Theatre*

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<tr>
<td>10.45-11.10</td>
<td>Barbara Casadei (University of Oxford)</td>
<td>Diabetic cardiomyopathy: it’s all about NO (but not as we knew it)</td>
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<td>11.10-11.35</td>
<td>Jaipaul Singh (University of Central Lancashire)</td>
<td>Hypertrophy, fibrosis and remodelling in the diabetic heart</td>
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<td>11.35-12.00</td>
<td>Sven Plein (University of Leeds)</td>
<td>Imaging the diabetic phenotype: methods and current evidence</td>
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| 12.00-12.25 | Frans van Nieuwenhoven (CARIM, Maastricht University, Netherlands) | Impaired cardiac function in animal models of diabetes  
*Sponsored by The Biochemical Society* |

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<td>LUNCH AND POSTERS - <em>Parkinson Court</em></td>
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14.00-14.15 Invited lecture from the Japanese Vascular Society (JSCVS)
*Rupert Beckett Lecture Theatre*

Shin Yajima (Osaka University School of Medicine, Japan)
A slow releasing synthetic prostacyclin agonist combined with omental flap increases myocardial blood flow and reduces microvascular resistance associated with functional recovery in a porcine chronic myocardial infarction model

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**Session 6 Molecular Mechanisms Towards Novel Therapeutics**

*Sponsored by Don Whitley Scientific
*Rupert Beckett Lecture Theatre*

Chairpersons:

14.15-14.40 Bart Staels (University of Lille, France)
Non-alcoholic fatty liver disease, diabetes and cardiovascular disease: pharmacological modulation

14.40-15.05 Anna Zampetaki (Kings College London)
MicroRNAs as therapeutics in diabetes

15.05-15.35 British Pharmacological Society Named Lecture
David Bates (University of Nottingham)
Rebalancing pro and anti-angiogenic VEGF isoforms as a therapeutic strategy in vascular disease

15.35-16.00 Peter Grant (University of Leeds)
Type 2 Diabetes: An inflammatory athero-thrombotic disorder

16.00-16.15 Concluding remarks and meeting close
Sponsors

We are grateful for the generous support and sponsorship of the following organisations and companies that have enabled us to put together and host such a high calibre meeting. Please take time to visit the exhibitor stands in Parkinson Court.

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Exhibition sponsors: