

Programme – BAS/BSCR Spring Meeting 2017

Manchester Central, Monday 5th and Tuesday 6th June

Organisers: Charalambos Antoniades, Andrew Sage, Pasquale Maffia, David Grieve

Monday 5th June (Day 1)

Posters go up at the start of the day

08.00 to 10.00

BSCR committee meeting

10.45 to 12.15

Understanding the cross-talk between adipose tissue and the cardiovascular system: Translating basic science to clinical practice

Charter 2/3

Chairs: Charalambos Antoniades and Pasquale Maffia

T-cells in adipose tissue as regulators of atherogenesis

Tomasz Guzik, University of Glasgow, UK

Perivascular fat and vascular contractility

Anthony Heagerty, University of Manchester, UK

Characterising liver macrophages: Implication for cardiometabolic risk

Myriam Aouadi, Karolinska Institute, Stockholm, Sweden

Epicardial adipose tissue-derived fibrokinases: New therapeutic targets in atrial fibrillation?

Stephane Hatem, Institute of Cardiometabolism and Nutrition, INSERM, France

12.15 to 13.45

Lunch, exhibition

12.30 to 13.30

Hot Topics session

Education Hall – Basic Science Zone 3

Chair: ?

Mass cytometry (CyTOF) for cardiovascular screening

Claudia Monaco, University of Oxford, UK

How to isolate and characterise exosomes

Sean Davidson, University College London, UK

State-of-the-art techniques for measuring mitochondrial metabolism

Andrew Hall, University of Cambridge, UK

Latest tools and methodologies the zebrafish offers as a model system

Tim Chico, University of Sheffield, UK

13.45 to 15.15

Cardiac and arterial ageing

Charter 2/3

Chairs: Sarah George and Paul Evans

Cardiac ageing and longevity genes

Brian North, Harvard Medical School, Boston, USA

The aged heart and diet: vulnerability to cardiac insults

Saadeh Suleiman, University of Bristol, UK

Nuclear lamina organisation during VSMC ageing

Derek Warren, King's College London, UK

Altered arterial remodelling with age

Bethan Monk, University of Bristol, UK

Monday 6th June (continued)

15.15 to 16.00

Tea, exhibition

16.00 to 17.00

BSCR/BAS Poster Session 1

Education Hall

Poster Judges: TBC

17.00 to 18.00

Sir Thomas Lewis Keynote Lecture

Auditorium

18.00 to 19.00

The BAS John French Lecture

Charter 2/3

Chair: Sarah George

Apoptosis, necrosis, atherosclerosis and IL-1 – novel pathways of vascular inflammation

Murray Clarke, University of Cambridge, UK

19.00 to 20.00

BHF Reception for Basic Scientists

Atrium outside Charter 1

20.00

BSCR/BAS Conference Dinner: Venue TBA

Tuesday 6th June (Day 2)

08.30 to 10.00

Leukocytes in cardiovascular inflammation: Resident and infiltrating cells

Charter 2/3

Chairs: Endre Kiss-Toth, Heather Wilson and Andrew Sage

Monocytes/macrophages and their fate in ischaemic heart disease

Ingo Hilgendorf, University Medical Center Freiburg, Germany

Tissue resident macrophages and the healing heart

Gillian Gray, University of Edinburgh, UK

Neutrophil extracellular traps license macrophages for cytokine production in atherosclerosis

Venizelos Papayannopoulos, The Francis Crick Institute, London, UK

Exhausted T cells in cardiovascular disease patients

Ingrid Dumitriu, St George's, University of London, UK

10.00 to 10.45

Coffee, exhibition

10.45 to 12.15

BCS/BSCR/BAS Highlight Session: Will stem cell research change clinical practice?

Charter 2/3

Chairs: Sian Harding and Sanjay Sinha

Stem cells for disease modelling and drug screening - are they clinically useful?

Chris Denning, University of Nottingham, UK

Will activating resident stem cells be clinically feasible?

Paul Riley, University of Oxford, UK

Why have clinical stem cell trials not delivered impact on clinical outcomes?

Stefan Janssens, University of Leuven, Belgium

How to deliver success in the future stem cell trials: challenges, controversies and solutions

Dr Philippe Menasche, University of Paris Descartes, INSERM, France

12.15 to 13.45

Young Investigators Prize Competition

Charter 2/3

Chairs: TBC

Judges: TBC

13.45 to 15.15 **BSCR/BAS Poster Session 2**
Education Hall

Poster Judges: TBC

15.15 to 16.00 **Tea, exhibition**

16.00 to 17.20 **Diabetes and cardiovascular disease**
Charter 2/3

Chairs: David Grieve and Sean Davidson

Oxidative stress and diabetic cardiovascular complications

Sihem Boudina, University of Utah School of Medicine, Salt Lake City, USA

Epigenetic signatures and cardiovascular risk in diabetes

Francesco Cosentino, Karolinska University Hospital, Stockholm, Sweden

Bone marrow and stem cells in diabetic vascular disease

Gian Paolo Fadini, University of Padova, Italy

Cellular mechanisms of vascular dysfunction in diabetes

Karen Porter, University of Leeds, UK

17.20 to 17.30 **Closing remarks and poster prize giving**
Charter 2/3

17.30 to 18.30 **The BCS Keynote Lecture**
Auditorium