



Research Away Day

April 6th 2011

Advances in Cardiovascular Science - 2011

From Basic Science to Clinical Practice

predicting, preventing, treating cardiovascular disease



Will's Hall

Parry's Lane, Bristol

This meeting is for everybody undertaking cardiovascular research across Bristol.

The PVC Research, Faculty Deans, Director RED, Faculty Directors of Research, NHS Director R&I, Heads of Schools and BHI Steering Committee have expressed their strong support for the event.

Do you know about all the Cardiovascular Research in Bristol? Or what plans there are for Bristol's cardiovascular research in the future?

Find out at the BHI Research Away Day! Enjoy a day celebrating Cardiovascular Research in Bristol and provide your comments on the latest research achievements, work in progress or planning stage research.

Are you a clinician or a basic scientist with cardiovascular interest? Build new bridges at the Research Away Day and explore new possibilities for translational research!

The content of the day is based on input from people throughout BHI and will be of interest to people at all career levels - students, post-doctoral researchers, those working in clinical cardiovascular services, research group leaders, and consultants.

Research patient representatives will contribute to the strategic session providing their view.

There will also be an afternoon session focused on research projects poised for collaboration with business and industry.

Attendance will be essential if you want to:

- hear the latest plans for developing cardiovascular research in Bristol
- hear about some examples of completed, ongoing, or planning stage research
- gain valuable ideas by attending the industry focus session
- gain valuable feedback and ideas by presenting your work at poster sessions
- provide your valuable comments on our future plans by attending the strategic session
- enjoy a keynote lecture by Professor Michael Schneider, BHF Simon Marks Professor of Regenerative Cardiology and Director of Imperial's BHF Centre for Research Excellence
- form new contacts with people who share your research interests
- find out the extent of cardiovascular expertise in Bristol
- meet fellow students, colleagues, and patient representatives
- initiate collaborative research
- devote a day to cardiovascular science

Many people have asked for the chance to meet others in Bristol Cardiovascular Research and the BHI Research Away Day is an ideal opportunity to do just that!

Professor Raimondo Ascione

Chairman BHI Research Steering Committee

Programme

9.00 – 9.30 Registration & Coffee/Tea

Introduction and welcome to the BHI Away Day: Strengths weaknesses opportunities and threats

9.30 – 9.45 Clinical Portfolio - Raimondo Ascione

9.45 – 10.00 Basic Science Portfolio – Andrew Halestrap

Short Presentations: Chair – Alastair Poole

10.00 – 10.15 **Andrew James**, Atrial remodelling and susceptibility to atrial tachyarrhythmias in elevated afterload.

10.15 – 10.30 **Chris Rogers**, Challenges of conducting a multi-centre randomised controlled trial in cardiac surgery with an expertise-based allocation system (CRISP Trial).

10.30 – 10.45 **Costanza Emanuelli**, MicroRNAs in vascular pathology and post-ischaemic regeneration

10.45 – 11.00 **Joshua Savage**, Impairment of in vitro thrombus formation in MUNC13-4 deficient mice.

11.00 – 11.15 **Rebecca Sitsapesan**, Novel intracellular ion-channels and fine-tuning Ca²⁺-release in the heart.

11.15 – 11.30 **Guido Pieleles**, Assessment of cardiac and pulmonary haemodynamics in patients with Pulmonary Arterial Hypertension associated with Congenital Heart Disease using Real Time Cardiac Magnetic Resonance Imaging (CMR) during exercise.

11.30 – 12.00 Coffee and posters

Strategic session: Chairs - Ian Day, Paolo Madeddu

12.00 – 12.10 **Raimondo Ascione**, Summary of New BHI Strategy Document

12.10 – 13.00 **Open discussion**. All BHI members and patient representative (Attended by PVC-Research; Director RED; the Deans of the Faculties of Medical and Veterinary Sciences & Medicine and Dentistry, Director NHS R&I).

13.00 – 14.00 Lunch and posters



14.00 – 15.00

Keynote lecture – Sponsored by Miltenyi Biotec

Introduction:

Gianni Angelini

Speaker:

Michael Schneider, Cardiopoiesis: Genetic networks for cardiac muscle creation by stem cells

Short Presentations:

Chair – Andrew Newby

15.00 – 15.15

Barney Reeves The multidisciplinary facets of the clinical research jewel

15.15 – 15.30

Jo Adams, Extracellular matrix roles and mechanisms of thrombospondins

15.30 – 16.00

Coffee and posters

Industry focus session:

Chair – Guy Orpen, UoB PVC-Research

16.00 – 16.15

Dave Bates, Molehills and mountains on the way from discovery to clinical trial - development of VEGF165b as an anti-angiogenic agent.

16.15 – 16.30

Paolo Madeddu, Successful collaboration with ReNeuron on developing a stem cell product for critical limb ischemia.

16.30 – 16.45

Jason Johnson, A selective MMP-12 inhibitor retards atherosclerotic plaque development in apolipoprotein knockout mice by modulating macrophage behaviour.

16.45 – 17.00

Gavin Murphy, Biotech collaborations for the prevention of vein graft disease.

We are very grateful to the following for their generous sponsorship of this meeting:

- University of Bristol
- R&I UHBristol NHS Foundation Trust
- NIHR- Biomedical Research Unit in Cardiovascular Medicine
- AstraZeneca
- Merck Millipore
- Miltenyi Biotec
- ReNeuron

