

'INFLAMMATION AND ATHEROSCLEROSIS'

- FINAL PROGRAMME -

Organised by: Paul Evans, Peter Weinberg

CPD Approved

THURSDAY 9 SEPTEMBER:

08:45-09:30 Registration, Refreshments and Exhibition

09:30 **Introduction and Welcome:**
Professor Dorian Haskard Chairman, BAS
Dr Paul Evans Meeting organiser

INFLAMMATORY CELLS AND CHEMOKINES

Chairperson: *Professor Rob Krams*

09:40-10:10 **INTIMAL DENDRITIC CELLS AND THE INITIATION OF ATHEROSCLEROSIS**
Professor Myron Cybulsky
Department of Laboratory Medicine and Pathobiology, University of Toronto;
Pathologist, Toronto General Hospital, University Health Network;
Senior Scientist, Toronto General Research Institute, Toronto, Ontario, CANADA

10:10-10:20 Discussion

10:20-10:50 **T-CELL IMMUNITY IN ATHEROSCLEROSIS**
Professor Ziad Mallat
Professor in Cardiovascular Medicine, Department of Cardiology, University of Cambridge, UK

10:50 -11:00 Discussion

11:00-11:30 Refreshments and Exhibition

11:30-12:00 **CHEMERIN - A NOVEL MACROPHAGE CHEMOATTRACTANT CYTOKINE WITH UNUSUAL AND UNEXPECTED PROPERTIES**
Dr David Greaves
Reader in Molecular Pathology, Sir William Dunn School of Pathology, University of Oxford, Oxford, UK

12:00-12:10 Discussion

PRO-INFLAMMATORY SIGNALLING PATHWAYS

Chairperson: *Dr Manuel Mayr*

12:10-12:40 **EFFECTS OF SHEAR STRESS ON ENDOTHELIAL ACTIVATION**
Dr Paul Evans
Senior Lecturer, BHF Cardiovascular Sciences Unit, Hammersmith Hospital, Imperial College London, London, UK

12:40-12:50	Discussion
12:50-14:10	Lunch
13:30-14:00	BAS Extraordinary AGM
14:10-14:40	THE TRIBBLES FAMILY OF MAP KINASE REGULATORS <i>Dr Endre Kiss-Toth</i> Senior Lecturer in Vascular Biology, Cardiovascular Research Unit, School of Medicine and Biomedical Sciences, University of Sheffield, UK
14:40-14:50	Discussion
14:50-15:20	PROINFLAMMATORY EFFECTS OF OXIDIZED PHOSPHOLIPIDS <i>Professor Judith A Berliner</i> Professor of Pathology and Medicine/Cardiology, David Geffen School of Medicine, University of California, Los Angeles California, USA
15:20-15:30	Discussion
15:30-16:00	Refreshments and Exhibition

ANTI-INFLAMMATORY THERAPIES IN VASCULAR INFLAMMATION

Chairperson: *Dr Sheila Francis*

16:00 - 16:30	NON-LIPID LOWERING EFFECTS OF STATINS <i>Professor Francois Mach</i> Head of Cardiology, Geneva University Hospital, Geneva, SWITZERLAND
16:30 - 16:40	Discussion
16:40 - 17:10	GALECTIN-1 EXPRESSION IN ENDOTHELIAL CELLS REDUCES INFLAMMATION <i>Professor Mauro Perretti</i> Professor of Immunopharmacology, Centre Lead (joint), Biochemical Pharmacology, William Harvey Research Institute, Barts and The London Medical School, London, UK
17:10 - 17:20	Discussion
17:20 - 17:50	ANTIINFLAMMATORY PROPERTIES OF IL-33 <i>Dr Ashley Miller</i> Research Fellow, University of Glasgow, Scotland, UK
17:50 - 18:00	Discussion
18:00	Meeting concludes day one
18:30-19:30	Drinks Reception and Poster Session - Bar

POSTERS:

(1)
EARLY GROWTH RESTRICTION PROGRAMS AN ACCELERATED PRO-ATHEROSCLEROTIC PHENOTYPE IN APO-E HOMOZYGOUS KNOCKOUT MICE
HL Blackmore (1), AV Piekarz (1), DS Fernandez-Twinn (1), J Mercer (2), N Figg (2), M Bennett (2), SE Ozanne (2)*
(1) University of Cambridge Metabolic Research Laboratories, B289 Level 4 Institute of Metabolic Science, Addenbrooke's Hospital, Cambridge, UK
(2) Department of Medicine, University of Cambridge, Addenbrooke's Centre for Clinical Investigation, Cambridge, UK

(2)
SUBSTANCE P MEDIATED ADVENTITIAL MAST CELL ACTIVATION INDUCES INTRAPLAQUE HEMORRHAGE IN ADVANCED ATHEROSCLEROSIS
I Bot (1), SCA de Jager (1), M Bot (1), SH van Heiningen (1), TJC Van Berkel (1), JH von der Thüsen (2), EAL Biessen (1,3)*

(1) *Division of Biopharmaceutics, Leiden/Amsterdam Center for Drug Research, Gorlaeus Laboratories, Leiden University, Leiden, THE NETHERLANDS*

(2) *Department of Pathology, Academic Medical Center, Amsterdam, THE NETHERLANDS*

(3) *Experimental Vascular Pathology Group, Department of Pathology, University of Maastricht, Maastricht, THE NETHERLANDS*

(3)
ACTIVATING TRANSCRIPTION FACTOR-1 SWITCHES MONOCYTES TO A NOVEL ATHEROPROTECTIVE MACROPHAGE SUBSET (M-HEM)

JJ Boyle (1), M Johns (1), AT Nguyen (1), J Yu (1), L Game (2), DJ Schaer (3), JC Mason (1), DO Haskard (1)*

(1) *Cardiovascular Sciences, Imperial College London, UK*

(2) *MRC-CSC Genomics Core, Imperial College London, UK*

(3) *Zurich University Hospital, Zurich, SWITZERLAND*

(4)
SURFACE BINDING OF IgM SWITCHES TO PRO-INFLAMMATORY ACTIVATION VIA MACROPHAGE SCAVENGER RECEPTOR A

JJ Boyle (1), I Bilal (1), VWY Leung (1), AT Nguyen (1), PC Evans (1), P Kirkham (2), DO Haskard (1)*

(1) *Cardiovascular Sciences*

(2) *Respiratory Pharmacology, NHLI, Imperial College London, UK*

(5)
IMAGING OF THE VULNERABLE CAROTID PLAQUE: BIOLOGICAL TARGETING OF INFLAMMATION USING ULTRASMALL SUPERPARAMAGNETIC PARTICLES OF IRON OXIDE (USPIO) AND MRI

J Chan (1), C Monaco (2), K Bhakoo (3), RGJ Gibbs (1)*

(1) *Vascular surgery unit, St Mary's Hospital, Imperial College London*

(2) *Cytokine Biology of Atherosclerosis, Kennedy Institute of Rheumatology, Imperial College London*

(3) *Translational Molecular Imaging Group, Singapore Bioimaging Consortium, Agency for Science, Technology and Research (A*STAR), SINGAPORE*

(6)
A NOVEL APPROACH TO ANRIL STRUCTURE AND FUNCTION USING EXPRESSION TILING MICROARRAYS

LD Beeton, P Chivers, FR Green*

for PROCARDIS Faculty of Health and Medical Sciences, University of Surrey, Guildford, UK

(7)
VASCULAR SMOOTH MUSCLE CELL APOPTOSIS DURING HYPERLIPIDEMIA INDUCES INFLAMMATION VIA INHIBITION OF PHAGOCYTOSIS AND RELEASE OF IL-1 ALPHA

MCH Clarke, M Humphry, Y Zhang, NL Figg, MR Bennett*

Division of Cardiovascular Medicine, University of Cambridge, Box 110, Addenbrooke's Hospital, Cambridge, UK

(8)
LEUKOCYTE SPECIFIC CCL3 DEFICIENCY INHIBITS ATHEROSCLEROSIS BY ATTENUATION OF INTIMAL NEUTROPHIL ACCUMULATION

SCA de Jager (1), I Bot (1), AO Kraaijeveld (2), M Bot (1), MM Westra (1), PJ van Santbrink (1), TJC van Berkel (1), EAL Biessen (1,3)*

(1) *Biopharmaceutics, LACDR, Leiden, THE NETHERLANDS*

(2) *Department of Cardiology, Leiden University Medical Center, THE NETHERLANDS*

(3) *Department of Pathology, CARIM, THE NETHERLANDS*

(9)
PODOCAN IS A NOVEL INHIBITOR OF SMOOTH MUSCLE CELL FUNCTION IN HUMAN ABDOMINAL AORTIC ANEURYSMS

A D'Angelos (1), X Yin (1), A Saje (1), Q Xu (1), M Jahangiri (2), M Mayr (1)*

(1) *King's BHF Centre, King's College London, UK*

(2) *St. George's Hospital, London, UK*

(10)
ADIPOSE TISSUE SURROUNDING DISEASED CORONARY ARTERIES DEMONSTRATES A PRO-ATHEROGENIC PROFILE

JE Digby, I Kylintireas, EC Edmond, RP Choudhury*

Department of Cardiovascular Medicine, University of Oxford, John Radcliffe Hospital, Oxford, UK

(11)
ENDOTHELIAL-SPECIFIC NOX2 OVER-EXPRESSION INCREASES VASCULAR SUPEROXIDE PRODUCTION BUT DOES NOT ALTER ATHEROSCLEROTIC PLAQUE OR ANGIO-DEPENDENT ANEURYSM FORMATION

G Douglas, JK Bendall, KM Channon*

Department of Cardiovascular Medicine, University of Oxford, Oxford, UK

(12)
REGULATORY T CELLS REDUCE INFLAMMATION AND HYPERCHOLESTEROLEMIA INDUCED BY WESTERN-TYPE DIET

AC Foks, GHM van Puijvelde, M Hoekstra, J Kuiper*

Division of Biopharmaceutics, LACDR, Leiden University, THE NETHERLANDS

(13)
EFFECT OF IMMUNISATION WITH C. PNEUMONIAE rMOMP ON ATHEROSCLEROSIS DEVELOPMENT

R El Kadri (1), A Bermudez-Fajardo (1); M Puolakkainen (2); G Stewart (1), E Oviedo-Orta (1)*

(1) *University of Surrey, Faculty of Health and Medical Sciences, Guildford, Surrey, UK*

(2) *Department of Viral Diseases and Immunology, NPHI, Helsinki, FINLAND*

- (14)
FOAM CELL FORMATION AFFECTS MHCI PROCESSING AND PRESENTATION IN VITRO WHILE HYPERCHOLESTEREMIA INDUCES A DC-LIKE PHENOTYPE IN MACROPHAGES IN VIVO
KLL Habets (1), V Frodermann (1)*, AC Foks (1), GHM van Puijvelde (1), REM Toes (2), Th JC van Berkel (1), J Kuiper (1)*
(1) *Division of Biopharmaceutics, Leiden/Amsterdam Center for Drug Research, Gorlaeus Laboratories, Leiden, THE NETHERLANDS*
(2) *Dept. of Rheumatology, Leiden University Medical Centre, Leiden, THE NETHERLANDS*
- (15)
DEXAMETHASONE REDUCES MONOCYTE THROMBOGENECITY VIA TISSUE FACTOR-DEPENDENT AND TISSUE FACTOR-INDEPENDENT PATHWAYS
MB Iqbal, M Johns, MA Laffan, DO Haskard, JJ Boyle*
National Heart and Lung Institute, Hammersmith Hospital, Imperial College London, UK
- (16)
STATINS MODIFY CONNEXIN EXPRESSION IN ACTIVATED HUMAN MACROPHAGES
RJ Anicattu Issac (1), A Bermudez-Fajardo (1), C Fry (2), E Oviedo-Orta (1)*
(1) *Microbial Science Division and (2) Post Graduate Medical School, Faculty of Health and Medical Sciences, University of Surrey, Guildford, Surrey, UK*
- (17)
ANTI-INFLAMMATORY AND ATHEROPROTECTIVE EFFECTS OF CHLAMYDIA PNEUMONIAE RECOMBINANT MOMP
R El Kadri (1), A Bermudez-Fajardo (1), M Puolakkainen (2), G Stewart (1), E Oviedo-Orta (1)*
(1) *Microbial Sciences Division, Faculty of Health and Medical Sciences, University of Surrey, Guildford, Surrey, UK*
(2) *Department of Viral Diseases and Immunology, NPHI, Helsinki, FINLAND*
- (18)
EXPRESSION OF A MEMBRANE ASSOCIATED CC-CHEMOKINE INHIBITOR PROTEIN REDUCES IN VITRO MACROPHAGE CHEMOTAXIS TO CC CHEMOKINES
E McNeill, GE White, J Patel, DR Greaves, KM Channon*
Department of Cardiovascular Medicine (EM, JP, KMC) and Sir William Dunn School of Pathology (GEW, DRG), University of Oxford, UK
- (19)
INCREASED EXPRESSION OF WNT5A IN UNSTABLE ATHEROSCLEROTIC PLAQUES IS ASSOCIATED WITH INCREASED MMP EXPRESSION AND MAY CONTRIBUTE TO INSTABILITY
C Mill, A Tsaousi, E Woodward, J Johnson, S George*
University of Bristol, Bristol Heart Institute, Bristol Royal Infirmary, Bristol, UK
- (20)
TH17 CELLS INDUCTION ACCELERATED ATHEROSCLEROSIS DEVELOPMENT IN APOE^{-/-} MICE
R Mohamed, A Bermudez-Fajardo, E Oviedo-Orta*
Microbial Science Division, Faculty of Health & Medical Science, University of Surrey, Guildford, UK
- (21)
SUPPRESSION OF INFLAMMATORY RESPONSES OF ENDOTHELIAL CELLS BY SHEAR STRESS; ROLE OF INTEGRIN SIGNALLING
*N-T Luu, K Glen, S Egginton, GE Rainger, GB Nash**
Centre for Cardiovascular Sciences, University of Birmingham, Birmingham, UK
- (22)
LXR ACTIVATION INDUCES ARGINASE 1 EXPRESSION IN MACROPHAGES
B Pourcet and I Pineda-Torra*
Centre for Clinical Pharmacology, Division of Medicine, University College of London, UK
- (23)
SERUM HEAT SHOCK PROTEIN 27 IS RAPIDLY CLEARED BY THE IMMUNOGLOBULIN M ANTIBODIES IN PATIENTS WITH AN ACUTE MYOCARDIAL INFARCTION
DF Pengiran Burut (1), S Shafi (1), G Ferns (2)*
(1) *Faculty of Health and Medical Sciences, University of Surrey, Guildford, UK*
(2) *Institute of Science & Technology in Medicine, University of Keele, Guy Hilton Research Centre, Thornburrow Drive, Stoke on Trent, Staffordshire, UK*
- (24)
HEAT SHOCK PROTEIN 27 AND THE MACROPHAGE IMMUNE RESPONSE
DF Pengiran Burut (1), S Shafi (1), E Oviedo-Orta (1), G Ferns (2)*
(1) *Faculty of Health and Medical Sciences, University of Surrey, Guildford, UK*
(2) *Institute of Science & Technology in Medicine, University of Keele, Guy Hilton Research Centre, Thornburrow Drive, Stoke on Trent, Staffordshire, UK*

(25)

INTRA-PLAQUE PRODUCTION OF M1-TYPE CYTOKINES AND MATRIX METALLOPROTEINASES DIFFERENTIATE STABLE FROM UNSTABLE CAROTID ATHEROSCLEROSIS

J Shalhoub* (1,2), A Cross (2), D Allin (1), AH Davies (1), C Monaco (2)

(1) Imperial Vascular Unit, Imperial College London, Charing Cross Hospital London, UK

(2) Cytokine Biology of Atherosclerosis Group, Kennedy Institute of Rheumatology, Imperial College London, UK

(26)

ACUTE GLOBAL EFFECTS OF HIGH-DENSITY LIPOPROTEIN ON ACTIVATED ENDOTHELIAL CELLS - INHIBITION OF CXCL10

A Shoreim*(1), J Dennis (2), K Laing (2), S Petrova (1), GW Cockerill (1)

(1) Department of Cardiovascular Sciences

(2) Department of Infectious Diseases, St George's University of London, UK

(27)

ARE CD4+CD25+FOXP3+ REGULATORY T CELLS PRESENT IN EXPERIMENTAL RABBIT ATHEROSCLEROTIC LESIONS?

J Sier*, S van den Boomen *, L Beeton, (1) G Ferns, S Shafi

Division of Biochemical Sciences, Faculty of Health and Medical Sciences, University of Surrey, Guildford, Surrey, UK

(1) Institute for Science & Technology in Medicine, University of Keele, Guy Hilton Research Centre, Stoke-on-Trent, Staffordshire, UK

(28)

STUDY OF THE IMMUNOMODULATORY PROPERTIES OF THE MAJOR OUTER MEMBRANE PROTEIN (MOMP) OF CHLAMYDOPHILA PNEUMONIAE IN THE CONTEXT OF ATHEROSCLEROSIS

A Stark*, A Bermudez-Fajardo, R El Kadri, G Stewart, E Oviedo-Orta

University of Surrey, FHMS, Division of Microbial Sciences, Cardiovascular Diabetes and Metabolism Research Theme, UK

(29)

AKT/PKB SIGNALLING AND THE ROLE OF FOXO3A IN THE REGULATION OF APOPTOSIS IN VASCULAR SMOOTH CELLS

J Tucka*, N Figg, I Gorenne, T Littlewood, M Bennett

Division of Cardiovascular Medicine, University of Cambridge, Addenbrooke's Hospital, Cambridge, UK

(30)

DENDRITIC CELLS LOWER PERMEABILITY OF ENDOTHELIAL CELL MONOLAYERS

CM Warboys*, DR Overby, PD Weinberg

Department of Bioengineering, Imperial College London, Royal School of Mines, South Kensington Campus, London, UK

(31)

ESTIMATING THE CAUSAL ROLE OF C-REACTIVE PROTEIN IN CORONARY HEART DISEASE: COLLABORATIVE MENDELIAN RANDOMIZATION ANALYSIS

F Wensley*

for the CRP CHD Genetics Collaboration

University of Cambridge, The London School of Hygiene and Tropical Medicine, University College London and McMaster University, London, UK

(32)

RESPONSE OF THE ENDOTHELIAL CELL TRANSCRIPTOME TO SUPRAPHYSIOLOGICAL LAMINAR SHEAR STRESS

SJ White (1)*, EM Hayes (1), S Lehoux (2), JY Jeremy (1), AJG Horrevoets (3), AC Newby (1)

(1) Bristol Heart Institute, University of Bristol, Bristol Royal Infirmary, Bristol, UK

(2) McGill University, Ottawa, Ontario, CANADA

(3) VU University Medical Center, Amsterdam, THE NETHERLANDS

(33)

GENERATION AND SITE-DIRECTED MUTAGENESIS OF A 35K-Fc FUSION PROTEIN WITH INCREASED POTENCY OF CC CHEMOKINE BLOCKADE

GE White*, E McNeill, KM Channon, DR Greaves

Sir William Dunn School of Pathology (GEW and DRG) and Department of Cardiovascular Medicine (EM and KMC) University of Oxford, Oxford, UK

(34)

FOAM CELLS DIFFERENTIATED FROM CD14POSITIVE/CD16NEGATIVE OR CD14LO/CD16POSITIVE MONOCYTES EXHIBIT DIFFERENCES IN THE ABILITY TO ACTIVATE ENDOTHELIAL CELLS

CM Yates*, GB Nash, GE Rainger

Centre for Cardiovascular Sciences, School of Clinical and Experimental Medicine, University of Birmingham, UK

(35)

NECROTIC VASCULAR SMOOTH MUSCLE CELLS ARE THE MAIN CELL TYPE RESPONSIBLE FOR INTERLEUKIN-1 ALPHA DRIVEN STERILE INFLAMMATION IN ATHEROSCLEROSIS

Y Zheng*, M Humphry, S Talib, MR Bennett, MCH Clarke

Cardiovascular Division, Department of Medicine, University of Cambridge, UK

19:30

Conference dinner - Hall

FRIDAY 10 SEPTEMBER:

07:30–08:30 Breakfast – *Hall*

08:15 Registration opens

08:15–08:45 Refreshments and Exhibition

Chairperson: *Professor Dorian Haskard*

08:45–09:45 **HUGH SINCLAIR LECTURE:
HOW PROTEASES LINK INFLAMMATION TO ACUTE CARDIOVASCULAR EVENTS**

Professor Andrew Newby

BHF Professor of Vascular Cell Biology, Bristol Heart Institute, Bristol Royal Infirmary, Bristol, UK

Chairpersons: *Dr Chris Newman and Professor Sarah George*

09:45–10:45 **FREE COMMUNICATIONS**

09:45–09:55

FC1

TARGETED ENDOTHELIAL NOX2 OVER-EXPRESSION POTENTIATES ANGIOTENSIN II INDUCED AORTIC DISSECTION IN MICE

*LM Fan**, *G Douglas*, *J Bendall*, *K Channon*

Department of Cardiovascular Medicine, University of Oxford, Wellcome Human Genetics Centre, Oxford, UK

09:55–10:00

Discussion

10:00–10:10

FC2

IN VIVO MAGNETIC RESONANCE IMAGING DETECTION OF EARLY ENDOTHELIAL ACTIVATION IN MOUSE ATHEROSCLEROSIS USING DUAL-TARGETED MICROPARTICLES OF IRON OXIDE

*MA McAteer**, *K Mankia*, *R Hagen*, *LA Stork*, *JE Schneider*, *RP Choudhury*

Department of Cardiovascular Medicine, John Radcliffe Infirmary, University of Oxford, UK

10:10–10:15

Discussion

10:15–10:25

FC3

A NEW ROLE FOR THE REGULATOR OF G-PROTEIN SIGNALLING-1 (RGS-1) IN THE MODULATION OF MACROPHAGE FUNCTION IN ATHEROSCLEROSIS

*J Patel (1)**, *E McNeill (1)*, *J de Bono (1)*, *D Greaves (2)*, *K Channon (1)*

(1) Department of Cardiovascular Medicine and (2) Sir William Dunn School of Pathology, University of Oxford, UK

10:25–10:30

Discussion

10:30–10:40

FC4

THE TRANSCRIPTION FACTOR ERG REPRESSES ICAM-1 EXPRESSION AND VASCULAR INFLAMMATION

*A Sperone**, *N Dryden*, *GM Birdsey*, *LE Madden*, *P Evans*, *JC Mason*, *J Boyle*,

E Paleolog, *DO Haskard*, *AM Randi*

NHLI Cardiovascular Sciences, Imperial College, Hammersmith Hospital, London, UK

10:40–10:45

Discussion

10.45–11.15 Refreshments and Exhibition

11:15–11:25

FC5

APOLIPOPROTEIN-E REGULATES THE SENESCENCE OF MOUSE VASCULAR SMOOTH MUSCLE CELLS IN VITRO

*JC Wang**, *MR Bennett*

Division of Cardiovascular Medicine, University of Cambridge, Cambridge, UK

11:25-11:30	Discussion
11:30-11:40	FC6 INCREASED FOAM CELL FORMATION AND ATHEROSCLEROTIC PLAQUE APOPTOSIS IN LDLR-/- MICE LACKING MACROPHAGE MCL1 <i>MM Westra*</i> , <i>I Bot</i> , <i>M Bot</i> , <i>SCA de Jager</i> , <i>I Dzhagalov</i> , <i>YW He</i> , <i>TJC van Berkel</i> , <i>EAL Biessen</i> <i>Biopharmaceutics, LACDR, Leiden, THE NETHERLANDS</i> <i>and Department of Pathology, CARIM, THE NETHERLANDS</i>
11:40-11:45	Discussion
11:45-11:55	FC7 WNT/BETA-CATENIN SIGNALLING REGULATES INTIMAL THICKENING AND SMOOTH MUSCLE CELL MIGRATION <i>H Williams*</i> , <i>A Tsaousi</i> , <i>SJ George</i> <i>Bristol Heart Institute, Bristol Royal Infirmary, University of Bristol, Bristol, UK</i>
11:55-12:00	Discussion

HUMORAL IMMUNITY AND INFLAMMATION

Chairperson: Prof Martin Bennett

12:00-12:30	NATURAL IgM ANTIBODIES IN ATHEROSCLEROSIS <i>Professor Christoph Binder</i> <i>Professor of Atherosclerosis Research, Department of Laboratory Medicine, Medical University of Vienna; Principal Investigator, CeMM Center for Molecular Medicine of the Austrian Academy of Sciences, Vienna, AUSTRIA</i>
12:30 -12:40	Discussion
12:40-13:10	COMPLEMENT, ANTIBODIES AND ATHEROSCLEROSIS <i>Professor Dorian Haskard</i> <i>BHF Sir John McMichael Professor of Cardiovascular Medicine</i> <i>National Heart & Lung Institute, ICSM, BHF Cardiovascular Medicine Unit, Imperial College, London, UK</i>
13:10-13:20	Discussion
13:20	Concluding remarks
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13:20 -14:20	Lunch – <i>Hall</i>
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13:20	BAS Committee meeting

Meeting Secretariat: Wheldon Events & Conferences **Tel:** +44 (0)1543 503 322 / **Fax:** +44 (0)1543 466 890
Email: wheldonevents@btconnect.com / **Web:** <http://www.britathsoc.org>