

BAS Autumn meeting 2015

• PROGRAMME – Thursday 10 September •

08:00 – 09:00	Breakfast	<i>The Dome</i>
08:30	Registration	<i>Buckingham House foyer</i>
08:45 – 10:00	Refreshments and Exhibition	<i>Buckingham House foyer</i>
10:00 – 10:10	INTRODUCTION AND WELCOME <i>Professor Sarah J. GEORGE</i> Chairman, BAS	<i>Buckingham House lecture theatre</i>
10:10 -11:30	BACKGROUND AND DEFINITION OF THE PROBLEM Chairpersons: <i>Joe Boyle and Ashley Miller</i>	
10:00 - 10:40	INFLAMMATION AND VASCULAR RISK: CLINICAL CONTEXT, EPIDEMIOLOGY AND UNANSWERED QUESTIONS <i>Professor Naveed SATTAR</i> Professor of Metabolic Medicine, University of Glasgow, Glasgow, Scotland, UK	
10:40 - 10:50	Discussion	
10:50 - 11:20	ADIPOSE TISSUE EXPANDABILITY, LIPOTOXICITY AND THE METABOLIC SYNDROME <i>Professor Antonio VIDAL-PUIG</i> Professor in Molecular Nutrition and Metabolism Department of Clinical Biochemistry, University of Cambridge, UK	
12:20 - 11:30	Discussion	
11:30 - 12:00	Refreshments and Exhibition	<i>Buckingham House foyer</i>
12:00 - 12:40	FUNDAMENTAL SCIENCE Chairpersons: <i>Joe Boyle and Ashley Miller</i>	
12:00 - 12:30	MECHANISMS OF INFLAMMATORY RESOLUTION IN HUMANS: LESSONS FOR ATHEROSCLEROSIS <i>Professor Derek W. GILROY</i> Wellcome Trust Senior Research Fellow; Head of Centre for Clinical Pharmacology University College London, Division of Medicine, London, UK	
12:30 - 12:40	Discussion	
12:40 - 13:40	Lunch	<i>The Dome</i>

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13:40 - 15:10	BASIC MECHANISMS Chairpersons: <i>Martin Bennett and Cathy Holt</i>	
13:40 - 14:00	INTRACELLULAR TRAFFIC JAM IN ATHEROSCLEROSIS AND NON-ALCOHOLIC STEATOHEPATITIS <i>Professor Ronit SHIRI-SVERDLOV</i> Associate Professor and Lecturer Department of Genetics and Cell Biology, Maastricht University Medical Centre, Maastricht, THE NETHERLANDS	
14:00 - 14:10	Discussion	
13:40 - 15:10	BASIC MECHANISMS Chairpersons: <i>Martin Bennett and Cathy Holt</i>	
14:10 - 14:30	REGULATION OF VASCULAR INFLAMMATION AND METABOLISM BY AMP-ACTIVATED PROTEIN KINASE <i>Dr Ian P. SALT</i> Senior Lecturer Institute of Cardiovascular & Medical Sciences, College of Medical, Veterinary & Life Sciences, University of Glasgow, Glasgow, UK	
14:30 - 14:40	Discussion	
14:40 - 15:00	INFLAMMATORY SIGNALING AND METABOLIC SYNDROME <i>Dr Mirela DELIBEGOVIC</i> Reader Institute of Medical Sciences, University of Aberdeen, Scotland, UK	
15:00 - 15:10	Discussion	
15:10 - 15:40	Refreshments and Exhibition <i>Buckingham House foyer</i>	
15:40 - 16:50	ATHEROSCLEROSIS Chairpersons: <i>Jason Johnson and Endre Kiss-Toth</i>	
15:40 - 16:00	OXIDATION OF LOW DENSITY LIPOPROTEIN IN LYSOSOMES: THE ENEMY WITHIN <i>Dr David S. LEAKE</i> Institute of Cardiovascular and Metabolic Research, School of Biologicals Sciences, University of Reading, UK	
16:00 - 16:10	Discussion	

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15:40 - 16:50	ATHEROSCLEROSIS Chairpersons: <i>Jason Johnson and Endre Kiss-Toth</i>	
	16:10 - 16:30	IL-33 - A MODULATOR OF INNATE IMMUNE RESPONSES IN THE VASCULATURE AND ADIPOSE TISSUE DURING METABOLIC SYNDROME? <i>Dr Ashley M. MILLER</i> Leadership Fellow, Institute of Cardiovascular & Medical Sciences, BHF Glasgow Cardiovascular Research Centre, University of Glasgow, Scotland, UK
	16:30 - 16:40	Discussion
	16:40 - 17:00	B CELL AND ANTIBODY REGULATION OF ATHEROSCLEROSIS <i>Dr Andrew P. SAGE</i> Postdoctoral Research Associate Division of Cardiovascular Medicine, University of Cambridge, UK
	17:10 - 17:10	Discussion
17:10 - 17:20	Comfort break	
17:20 - 18:00	HUGH SINCLAIR LECTURE: Chairperson: <i>Sarah George</i> IMMUNE MECHANISMS OF ATHEROSCLEROSIS <i>Professor Ziad MALLAT</i> BHF Professor of Cardiovascular Medicine University of Cambridge, Addenbrooke's Hospital, Cambridge, UK	
18:00	Meeting concludes day one	
18:00 - 19:45	Poster Session and Drinks Reception <i>The Walkway</i>	
	18:00 – 18:50 – even numbered posters only 18:50 – 18:55 – change over 18:55 – 19:45 – odd numbered posters only <i>Poster authors please be available next to your poster during this time to discuss your work.</i>	

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18:00-19:45	<p data-bbox="392 331 571 353">Poster Session</p> <p data-bbox="1225 331 1369 353"><i>The Walkway</i></p> <p data-bbox="392 398 1369 546">1 LOX-1 SCAVENGER RECEPTOR MEMBRANE TRAFFICKING REGULATES PRO-INFLAMMATORY SIGNAL TRANSDUCTION AND ANIMAL PHYSIOLOGY <i>I. Abdul Zani^{1*}, S.B. Wheatcroft² and S. Ponnambalam¹</i> ¹Endothelial Cell Biology Unit, School of Molecular and Cellular Biology, ²Leeds Institute of Cardiovascular and Metabolic Medicine, University of Leeds, Leeds, UK</p> <p data-bbox="392 577 1369 703">2 INITIAL OXIDATION OF LDL BY IRON AT LYSOSOMAL pH IS DUE TO TRYPTOPHAN RADICALS AND IS NOT INHIBITED BY PROBUCOL <i>F Ahmad, DS Leake</i> Institute of Cardiovascular and Metabolic Research, School of Biological Sciences, University of Reading, UK</p> <p data-bbox="392 734 1369 860">3 COMPARISON OF TISSUE FACTOR EXPRESSION IN ADULT AND FOETAL ENDOTHELIAL CELLS IN RESPONSE TO INFLAMMATORY CYTOKINES <i>A Akinmolayan*, AH Goodall, M Collier</i> Department of Cardiovascular Sciences, Glenfield General Hospital, University of Leicester, Leicester, UK</p> <p data-bbox="392 891 1369 994">4 IL-3 INDUCED MMP-3 EXPRESSION DIRECTS ANGIOGENESIS AND NEOVASCULARISATION IN ATHEROSCLEROSIS <i>NN Anuar*, K Di Gregoli, AC Newby, JL Johnson</i> Laboratory of Cardiovascular Pathology, School of Clinical Sciences, University of Bristol, UK</p> <p data-bbox="392 1025 1369 1196">5 THE PROTHROMBOTIC RISK OF PATIENTS WITH TYPE II DIABETES IN STABLE AND UNSTABLE CORONARY ARTERY DISEASE <i>M Berger (1,2)*, K Lysaja (2), M Lehrke (2), N Marx (2), K Schütt (2)</i> (1) Thrombosis Research Laboratory, University of Hull, UK (2) Department of Internal Medicine I, University Hospital RWTH Aachen, GERMANY Thrombosis Research Laboratory - Lab 013/014 Hardy Building University of Hull, UK</p> <p data-bbox="392 1227 1369 1429">6 LONGER RECEPTOR RESIDENCE TIMES IMPROVE THE EFFECTIVENESS OF CCR2 ANTAGONISTS IN THE PREVENTION OF ATHEROSCLEROSIS <i>I Bot (1)*, NV Ortiz Zacarias (2), H de Vries (2), PJ van Santbrink (1), D van der Velden (1), J Kuiper (1), D Stamos (3), AP IJzerman (2), LH Heitman (2)</i> (1) Division of Biopharmaceutics, LACDR, Leiden University, Leiden, THE NETHERLANDS (2) Division of Medicinal Chemistry, LACDR, Leiden University, Leiden, THE NETHERLANDS (3) Vertex Pharmaceuticals, San Diego, CA, USA</p> <p data-bbox="392 1460 1369 1608">7 SENESCENT VASCULAR SMOOTH MUSCLE CELLS DRIVE INFLAMMATION THROUGH AN INTERLEUKIN-1α-DEPENDENT SENESCENCE-ASSOCIATED SECRETORY PHENOTYPE <i>SE Gardner, M Humphry, MR Bennett, MCH Clarke*</i> Division of Cardiovascular Medicine, University of Cambridge, Box 110, ACCL, Addenbrooke's Hospital, Cambridge, UK</p> <p data-bbox="392 1639 1369 1765">8 GALECTIN-3 REGULATES MACROPHAGE BEHAVIOUR AND MODULATES ATHEROSCLEROTIC PLAQUE COMPOSITION <i>K Di Gregoli*, M Somerville, SJ George, R MacDonald, CL Jackson, JL Johnson</i> Laboratory of Cardiovascular Pathology, School of Clinical Sciences, University of Bristol, UK</p> <p data-bbox="392 1796 1369 1998">9 A NOVEL ASSAY USING SYNTHETIC PROTEIN SCAFFOLDS TO DETECT SOLUBLE LECTIN-LIKE OXIDISED LOW DENSITY LIPOPROTEIN RECEPTOR-1 IN VASCULAR DISEASE <i>J R De Siqueira^{*1,4}, RA Seese², DC Tomlinson¹, DA Russell^{3,4}, R Ajjan³, S Ponnambalam¹, S Homer-Vanniasinkam^{1,4}</i> 1. School of Molecular & Cellular Biology, University of Leeds, Leeds, UK 2. University of Leeds Medical School, University of Leeds, Leeds, UK 3. Leeds Institute of Cardiovascular and Metabolic Medicine, University of Leeds, Leeds, UK 4. Leeds Vascular Institute, Leeds General Infirmary, Great George Street, Leeds, UK</p>
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PLAQUE NEOVESSEL MATURATION ENHANCEMENT BY VEGFR2 BLOCKADE REDUCES INTRAPLAQUE HAEMORRHAGE

**MR de Vries^{1,2}, HAB Peters^{1,2}, JF Hamming¹, MJ Goumans^{2,3}, PHA Quax^{1,2}*

¹Department of Surgery; ²Eindhoven Laboratory for Experimental Vascular Medicine, THE NETHERLANDS

³Department of Molecular Cell Biology, Leiden University Medical Center, Leiden, THE NETHERLANDS

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IS THE ANXA2 3'UTR SNP RS116928563 (T>A) A FUNCTIONAL VARIANT?

RH Fairoozy, AZ Kalea, SE Humphries*

Cardiovascular Genetics, BHF Laboratories, Institute of Cardiovascular Science, University College London, London, UK

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VISUALIZATION OF THREE PATHWAYS FOR MACROMOLECULE TRANSPORT ACROSS CULTURED ENDOTHELIUM AND THEIR MODIFICATION BY FLOW

M Ghim^{1}, P Alpresa^{1,2,3}, SJ Spencer², M van Reeuwijk³, PD Weinberg¹*

Departments of ¹Bioengineering, ²Aeronautics and ³Civil Engineering, Imperial College London, UK

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INTERLEUKIN-6, SELENOPROTEIN S AND ENDOPLASMIC RETICULUM STRESS

*H Alhomidani, K Bodman-Smith, A Agouni, FR Green**

School of Biosciences & Medicine, Faculty of Health & Medical Sciences, University of Surrey, UK

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NECROX-7 ATTENUATES ATHEROSCLEROSIS AND PLAQUE NECROSIS IN APOE KNOCKOUT MICE

MOJ Grootaert^{1}, SH Kim², H Van Spaendonk¹, GRY De Meyer¹, DM Schrijvers¹, W Martinet¹*

¹Laboratory of Physiopharmacology, University of Antwerp, Antwerp, BELGIUM

²R&D Park, LG Life Sciences, Ltd., Daejeon, KOREA

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DOES MYELOID EXPRESSION OF TRIB1 REGULATE PLASMA LIPID LEVELS

A Angyal[†], Z Ilyas[†], E Hadadi[†], J Johnston[†], M Ariaans[†], R Kraus[§], H Wilson[†], R Bauer[†], D Rader[†], S Francis[†], E Kiss-Toth[†]

* These authors contributed equally to this work

[†] Department of Cardiovascular Science, University of Sheffield, Sheffield, UK

[¶] Life Sciences Division, Lawrence Berkeley Laboratory, Berkeley, California, USA

[§] Cardiovascular Institute and the Institute for Translational Medicine and Therapeutics, University of Pennsylvania, Philadelphia, USA

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EFFECT OF MYOSIN BINDING PROTEIN-C PHOSPHORYLATION ON ULTRASTRUCTURE OF CARDIAC MUSCLE

*M Jeddi**

Molecular Medicine Section, National Heart and Lung Institute, Faculty of Medicine, Imperial College London, London, UK

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LYSOSOMAL CHOLESTEROL IN PLAQUE, PARTICULARLY WHEN OXIDIZED, CONTRIBUTES TO THE DEVELOPMENT OF ATHEROSCLEROSIS

*MLJ Jeurissen*¹, SMA Walenbergh¹, T Houben¹, T Hendriks¹, PJ van Gorp¹, MJJ Gijbels¹, CJ Binder^{2,3}, GH Koek⁴, R Shiri-Sverdlov¹*

¹ Departments of Molecular Genetics, Nutrition and Toxicology Research (NUTRIM) Institute of Maastricht, University of Maastricht, Maastricht, THE NETHERLANDS

² Department of Laboratory Medicine, Medical University of Vienna, Vienna, AUSTRIA

³ Center for Molecular Medicine (CeMM), Austrian Academy of Sciences, Vienna, AUSTRIA

⁴ Department of Internal Medicine, Division of Gastroenterology and Hepatology, Maastricht University Medical Center (MUMC), Maastricht, THE NETHERLANDS

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THE FORKHEAD TRANSCRIPTION FACTOR FOXC1A PLAYS A KEY ROLE IN CRANIAL VASCULOGENESIS AND ANGIOGENESIS IN ZEBRAFISH

Z Jiang^{1}, M Tomova¹, TJA Chico¹, RN Wilkinson¹*

¹ Department of Cardiovascular Science, University of Sheffield, Medical School, Beech Hill Road, Sheffield, UK

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TESTOSTERONE PROTECTS AGAINST EARLY ATHEROGENESIS BY BENEFICIALLY MODULATING TISSUE-SPECIFIC METABOLIC FUNCTION IN LIVER, MUSCLE AND ADIPOSE OF MALE MICE

*DM Kelly^{*a}, S Akhtar^a, DJ Sellers^b, V Muraleedharan^{a,c}, KS Channer^d, TH Jones^{c,d}*

^aDepartment of Human Metabolism, Medical School, University of Sheffield, Sheffield, UK

^bBiomedical Research Centre, Sheffield Hallam University, Sheffield, UK

^cCentre for Diabetes and Endocrinology, Barnsley Hospital NHS Foundation Trust, Barnsley, UK.

^dDepartment of Cardiology, Royal Hallamshire Hospital, Sheffield, UK

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INHIBITION OF YAP/TAZ-TEAD DEPENDENT TRANSCRIPTION UNDERLIES THE ANTI-MITOGENIC EFFECTS OF cAMP IN VSMC

TE Kimura^{}, A Duggirala, GN Newby, AC Newby, M Bond*

School of Clinical Sciences, University of Bristol, UK

21
ACTIVATED PLATELETS PROMOTE FOAM CELL GENERATION IN MONOCYTES

S Kurmani^{}, C Erridge, AH Goodall*

Department of Cardiovascular Sciences and Leicester NIHR Cardiovascular Biomedical Research Centre, University of Leicester, Glenfield Hospital, Leicester, UK

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INHIBITION OF SMOOTH MUSCLE CELL PROLIFERATION AND INTIMAL THICKENING WITH SOLUBLE N-CADHERIN AND SMALL PEPTIDE MIMETICS.

**CA Lyon, KT Wadey, MC Galan, SJ George*

Bristol Cardiovascular, University of Bristol, Bristol Royal Infirmary, Bristol, UK

Department of Chemistry, University of Bristol, Bristol, UK

23
HOW DOES BLOOD FLOW REGULATE VASCULAR NOTCH SIGNALLING?

R Maguire¹, H Duckles¹, PC Evans¹, T Chico¹

1) Department of Cardiovascular Science, The Bateson Centre, University of Sheffield, Western bank, Sheffield, UK

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THE EFFECT OF MACROPHAGE DEPLETION ON HYPOXIA SIGNALLING INDUCED ANGIOGENESIS IN ZEBRAFISH.

*AM Njagic^{*1}, TJA Chico¹, FJ van Eeden¹, OJ Watson¹*

1 The Bateson Centre for Developmental and Biomedical Genetics, University of Sheffield, Sheffield, UK

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CALCIFICATION STIMULATES INFLAMMATORY SIGNALLING PATHWAYS IN HUMAN VASCULAR SMOOTH MUSCLE CELLS

*D Proudfoot^{*1}, Y Dautova¹, D Kozlova², M Epple², MD Bootman³*

1. Signalling ISP, Babraham Institute, Babraham, Cambridge, UK

2. Inorganic Chemistry Universität Duisburg-Essen, University of Duisburg-Essen, Essen, GERMANY

3. Department of Life, Health and Chemical Science, The Open University, Walton Hall, Milton Keynes, UK

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UNCOVERING MOUSE IMMUNE CELL DYNAMICS IN BLOOD AND TISSUE RESERVOIRS DURING ATHEROGENESIS: IMPLICATIONS FOR THERAPEUTIC INTERVENTION?

M Rombouts^{1}, I Van Brussel¹, J Mathijssen¹, R Ammi¹, L Roth¹, GRY De Meyer¹, N Cools², E Fransen³, BY De Winter⁴, DM Schrijvers¹*

1Laboratory of Physiopharmacology, Department of Pharmaceutical Sciences, University of Antwerp, Antwerp, BELGIUM

2Laboratory of Experimental Hematology, Vaccine and Infectious Disease Institute, University of Antwerp, Antwerp, BELGIUM

3StatUa Center for Statistics, University of Antwerp, Antwerp, BELGIUM

4Laboratory of Experimental Medicine and Pediatrics, Department of Medicine, University of Antwerp, Antwerp, BELGIUM

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GENERATION AND CHARACTERISATION OF NOVEL TRANSGENIC ZEBRAFISH ALLOWING IN VIVO IMAGING OF ENDOTHELIAL CELL BIOLOGY

AM Savage^{*1,2}, *C Mayo*^{1,2}, *HR Kim*^{1,2}, *E Markham*², *FJM van Eeden*², *TJA Chico*^{1,2}, *RN Wilkinson*^{1,2}

1. Department of Cardiovascular Science, University of Sheffield, Sheffield, UK

2. Bateson Centre, Firth Court, University of Sheffield, Sheffield, UK

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IMPROVING CELLULARISATION OF TISSUE ENGINEERED VASCULAR GRAFTS USING FUNCTIONALISED PEPTIDE HYDROGELS

NW Schumacker^{*}, *GD Angelini*, *SJ George*, *R Ascione*

Clinical Sciences, University of Bristol, Tyndall Avenue, Bristol, UK

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HSP60 AS A NOVEL AUTOANTIGEN IN OBESITY

**ME Sellis*¹, *DC Wraith*², *AC Newby*¹

1. Bristol Heart Institute, University of Bristol, Bristol, UK

2. Department of Cellular and Molecular Medicine, University of Bristol, Medical School, UK

30
OGG1 IS REGULATED BY ACETYLATION THROUGH SIRT1 IN VASCULAR SMOOTH MUSCLE CELLS AFTER OXIDATIVE DNA DAMAGE AND IN ATHEROSCLEROSIS

AV Shah^{*}, *K Gray*, *S Kumar*, *N Figg*, *I Gorenne* and *M Bennett*

Division of Cardiovascular Medicine, University of Cambridge, Addenbrooke's Centre for Clinical Investigation, Addenbrooke's Hospital, Cambridge, UK

31
THE PLANT EXTRACT MOMORDICA CHARANTIA REDUCES EXPRESSION OF VASCULAR CALCIFICATION MARKERS IN A SMOOTH MUSCLE CELL CULTURE MODEL

GP Sidgwick (1)^{*}, *R Weston*(1), *N. Ahmad*(1), *N Nazhad*(1), *A. Schiro*,(2,3) *F Serracino Inglott*,(1,2,3) *FL Wilkinson* (1), *MY Alexander*(1,2)

(1) Healthcare Science Research Centre, Manchester Metropolitan University, Chester Street, Manchester, UK

(2) Cardiovascular Research Institute, University of Manchester, Manchester Academic Health Science Centre, UK

(3) Vascular Unit, Central Manchester NHS Trust, Manchester Royal Infirmary, UK

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CYTOSKELETAL REMODELLING AND INHIBITION OF MKL DEPENDENT TRANSCRIPTION UNDERLIES THE ANTI-MITOGENIC EFFECTS OF cAMP IN SMOOTH MUSCLE CELLS

MC Smith^{*}, *A Duggirala*, *TE Kimura*, *GB Newby*, *AC Newby*, *M Bond*

School of Clinical Sciences, University of Bristol, Bristol, UK

33
EFFECT OF DECELLULARIZATION PROTOCOL OF HUMAN SAPHENOUS VEINS ON CYTOTOXICITY AND MATRIX COMPONENT

N Sulaiman^{*1,2}; *SJ George*¹; *M-S Suleiman*¹; *R Ascione*¹

¹School of Clinical Sciences, University of Bristol, RFLS, BRI, Bristol, UK

²Tissue Engineering Centre, Universiti Kebangsaan Malaysia Medical Centre, Cheras, Kuala Lumpur, MALAYSIA

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PROLINE-RICH HOMEODOMAIN AND PROTEIN KINASE CK2 AS MEDIATORS OF VASCULAR SMOOTH MUSCLE CELL PROLIFERATION AND PATHOPHYSIOLOGICAL NEOINTIMA FORMATION

KS Wadley^{1,2*}, *P-S Jayaraman*³, *K Gaston*², *SJ George*¹

¹School of Clinical Sciences, University of Bristol, Research Floor Level 7, Bristol Royal Infirmary, Bristol, UK

²Department of Biochemistry, University of Bristol, Bristol, UK

³Division of Immunity and Infection, College of Medicine, University Birmingham, Birmingham, UK

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ACUTE SHEAR STRESS ACTIVATES NF- κ B CANONICAL PATHWAY AND PROMOTE INFLAMMATION IN ENDOTHELIAL CELLS

AO Ward, *GD Angelini*, *SJ George* and *M Zakkar*

School of Clinical Sciences, Faculty of Medicine and Dentistry, University of Bristol, Bristol, UK

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	<p>36 IMMUNORECEPTOR TYROSINE-BASED ACTIVATION MOTIF (ITAM) SIGNALLING IS REQUIRED FOR OXIDISED LOW-DENSITY LIPOPROTEIN MEDIATED PLATELET ACTIVATION <i>KS Wraith*¹, C Woodward¹, M Tomlinson², KM Naseem¹</i> ¹Centre for Cardiovascular and Metabolic Research, Hull York Medical School, Thrombosis Research Laboratory, Hardy Building, University of Hull, Hull, UK ²School of Biosciences, College of Life and Environmental Sciences, University of Birmingham, Edgbaston Birmingham, UK</p>
19:45	Short break
20:00	Conference dinner <i>The Dome</i>

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07:30 – 08:30	Breakfast	<i>The Dome</i>
08:00	Registration	<i>Buckingham House foyer</i>
08:00	Refreshments and Exhibition	<i>Buckingham House foyer</i>
08:30 - 09:00	BAS AGM	<i>Buckingham House lecture theatre</i>
09:00 - 10:30	FREE COMMUNICATIONS	<i>Buckingham House lecture theatre</i>
Chairpersons: <i>Sarah George and Jason Johnson</i>		
09:00 - 09:10	FC 1 ORAL METFORMIN PROFOUNDLY SUPPRESSES ATHEROSCLEROTIC LESION DEVELOPMENT IN VIVO INDEPENDENTLY OF GLUCOSE-LOWERING IN A MILD HYPERLIPIDEMIC MODEL <i>A. Seneviratne¹, D. Carling², D.O. Haskard¹, J.J. Boyle^{1*}</i> Vascular Sciences, NHLI, Imperial College London Cell Stress Group, MRC Clinical Sciences Centre, Imperial College London, UK	
09:10 - 09:15	Discussion	
09:15 - 09:25	FC 2 ACUTE EXPOSURE TO APOLIPOPROTEIN A1 INHIBITS MACROPHAGE CHEMOTAXIS IN VITRO AND MONOCYTE RECRUITMENT IN VIVO <i>AJ Iqbal^{1*}, TJ Barrett^{2*}, L Taylor¹, E McNeill³, A Manmadhan², C Recio¹, MH Brodermann¹, GE White¹, D Cooper⁴, JA DiDonato⁵, SL Hazen⁵, KM Channon³, DR Greaves^{1¶}, EA Fisher^{2¶}</i> ¹ Sir William Dunn School of Pathology, University of Oxford, UK ² NYU School of Medicine, Division of Cardiology, Department of Medicine, and the Marc and Ruti Bell Program in Vascular Biology, NY, NY ³ Division of Cardiovascular Medicine, University of Oxford, John Radcliffe Hospital, Oxford, UK; Wellcome Trust Centre for Human Genetics, University of Oxford, Oxford, UK ⁴ William Harvey Research Institute, QMUL, UK ⁵ Department of Cellular & Molecular Medicine, Lerner Research Institute of the Cleveland Clinic, Cleveland, OH, USA	
02:25 - 09:30	Discussion	
09:30 - 09:40	FC 3 MACROPHAGE POLARISATION AND MMP PRODUCTION ARE MAINTAINED IN THE ABSENCE OF ALL LYMPHOCYTES OR THE TH1-LYMPHOCYTE SUBSET <i>AC Newby[*], EM Hayes, A Tsaousi, AC Thomas</i> Bristol Heart Institute, School of Clinical Sciences, University of Bristol, Bristol, UK	
09:40 - 09:45	Discussion	
09:45 - 09:55	FC 4 CHOLESTEROL-INDEPENDENT EFFECTS OF ATORVASTATIN PREVENT CARDIOVASCULAR MORBIDITY AND MORTALITY IN A NOVEL MURINE MODEL OF ATHEROSCLEROTIC PLAQUE RUPTURE <i>L Roth[*], M Rombouts, DM Schrijvers, W Martinet, GRY De Meyer</i> Laboratory of Physiopharmacology, University of Antwerp, Antwerp, BELGIUM	
09:55 - 10:00	Discussion	
10:00 - 10:10	FC 5 SOMATOSTATIN RECEPTOR PET REVEALS HIGH-RISK PLAQUE INFLAMMATION <i>JM Tarkin^{*1}, FR Joshi¹, NR Evans², AM Groves³, D Gopalan^{4,5}, R Manavaki⁵, PJ Kirkpatrick⁶, PA Coughlin⁷, P Hayes⁷, JR Buscombe⁸, TD Fryer², MR Bennett¹, AP Davenport⁹, EA Warburton², JHF Rudd¹</i> 1Division of Cardiovascular Medicine, University of Cambridge; 2Division of Clinical Neurosciences, University of Cambridge; 3Institute of Nuclear Medicine, University College London; 4Department of Radiology, Imperial College NHS Trust; 5Department of Radiology, Cambridge University NHS Trust; 6Division of Neurosurgery, Cambridge University NHS Trust; 7Department of Vascular Surgery, Cambridge University NHS Trust; 8Department of Nuclear Medicine, Cambridge University NHS Trust; 9Clinical Pharmacology Unit, University of Cambridge	

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	10:10 - 10:15	Discussion
	10:15 – 10:25	<p>FC 6 FUNCTIONAL ROLE OF miRNA-34A IN SMOOTH MUSCLE CELL FUNCTIONS AND NEOINTIMA FORMATION <i>F Yang*</i>, <i>Q Chen</i>, <i>G Wen</i>, <i>C Zhang</i>, <i>LA Luong</i>, <i>J Zhu</i>, <i>L Zhang</i>, <i>Q Xiao</i> Centre for Clinical Pharmacology, William Harvey Research Institute, Barts and The London School of Medicine and Dentistry, Queen Mary University of London, London, UK</p>
	10:25 - 10:30	Discussion
10:30 - 11:00	<p>Refreshments and Exhibition <i>Buckingham House foyer</i></p>	
11:00 - 12:00	<p>TRANSLATIONAL MEDICINE OF ATHEROSCLEROSIS Chairpersons: <i>Joseph Boyle and Ed Rainger</i></p>	
	11:00 - 11:30	<p>METABOLIC REGULATION BY THE IMMUNE CELL TRANSCRIPTION FACTOR T-BET <i>Dr Jane K HOWARD</i> Reader in Endocrinology and Diabetes, King's College London Honorary Consultant Physician Guy's and St Thomas' Foundation NHS Trust, Division of Diabetes and Nutritional Sciences, King's College School of Medicine, London, UK</p>
	11:30 - 11:40	Discussion
	11:40 - 12:10	<p>HUMORAL IMMUNITY TO MODIFIED LIPOPROTEINS – A WINDOW ON ATHEROSCLEROSIS? <i>Professor Dorian O. HASKARD</i> Vascular Sciences Section, National Heart and Lung Institute, Imperial College London, UK</p>
	12:10 - 12:20	Discussion
	12:20 - 12:50	<p>THE CLINICAL IMPACT OF IDENTIFYING AND TREATING METABOLIC ATHEROSCLEROTIC RISK FACTORS <i>Professor Anthony S. WIERZBICKI</i> Professor of Cardiometabolic Disease, Guy's and St. Thomas' Hospital, London, UK</p>
	12:50 - 13:00	Discussion
13:00 - 13:10	Concluding remarks	
13:10	End of meeting	
13:10	<p>BAS Committee meeting <i>Buckingham House Seminar room</i></p>	