

Scottish Society for Experimental Medicine  
Chancellor's Building,  
New Royal Infirmary of Edinburgh,  
Edinburgh



[www.ssem.org.uk](http://www.ssem.org.uk)

Friday 10th November 2006

**ORAL PRESENTATIONS**

0930 – 1000 **Coffee, Registration and Poster Mounting**

0945 Bus arrives from Waverley station

**Session 1**

Chair Dr Nick Boon

1000-1015 **\*Dissociation of Phenotypic and Functional Endothelial Progenitor Cells in Patients Undergoing Percutaneous Coronary Intervention.** Edinburgh  
Gareth Padfield, Nicholas L Mills, Olga Tura, Christopher Millar, Ninian Lang, David Stirling, Christopher Ludlam, Marc L Turner, G Robin Barclay, David E Newby

1015-1030 **\*Mechanisms of glucocorticoid-mediated inhibition of angiogenic changes in endothelial cells.** Edinburgh  
James J Logie, Brian R Walker, Patrick WF Hadoke

1030-1045 **Endothelial Dysfunction in Pre-eclampsia Prior to Clinical Symptoms.** Dundee  
Gwen Kennedy, Gary Mires, Maureen Macleod, Jill Belch

1045-1100 **Inflammation and Arterial Stiffness in Patients with Chronic Fatigue Syndrome.** Dundee  
Faisal Khan, VA Spence, G Kennedy, C Underwood, JJF Belch

1100-1115 **Vitamin D Improves Endothelial Function in Patients with Type 2 Diabetes in Scotland.** Dundee  
Jacqui A. Sugden, Justine I. Davies, Andrew D. Morris, Miles D. Witham, Alan D Struthers

1115-1130 **\*Endothelial cell-specific ablation of the endothelin-B receptor does not alter expression or functional response of the endothelin-A receptor.** Edinburgh  
Nicholas Kirkby, Fiona Gulliver-Sloan, Nicholas Kelland, Danielle Armour, Alan Bagnall, Rhoda Kuc, Anthony Davenport, Yuri Koteletsev, Patrick Hadoke, David Webb

1130-1145 **\*Diesel Exhaust Inhalation Increases Thrombus Formation In Man.** Edinburgh  
Andrew J Lucking, NL Mills, MU Zafar, FR Cassee, D Harrison, K Donaldson, NA Boon, JJ Badimon, DE Newby

1145 – 1200 **Break**

**Keynote Lecture**

Chair Prof Brian Walker

1200-1230 **Regulation of intravascular thrombosis: new frontiers in endothelial function**  
Professor David E Newby, University of Edinburgh

1230-1345 **Lunch & Posters**

## **Session 2**

Chair Professor John Iredale

- 1345 – 1400 **\*Haplotypic Variation Of The Gli-1 Locus Determines Susceptibility And Phenotype In Ulcerative Colitis.** Edinburgh  
Charles W Lees; Elaine Nimmo, Albert Tenesa, Harry Campbell, Malcolm Dunlop, Sarah Howie, Jack Satsangi
- 1400 – 1415 **\*Characterisation of a novel regulator of integrin affinity.** Edinburgh  
Brian McHugh, Stephen Banks, Yatish Lad, Rob Buttery, Tariq Sethi
- 1415 - 1430 **Regulation of alternative macrophage activation by Galectin-3 controls renal fibrosis following ureteric obstruction.** Edinburgh  
Alison C MacKinnon, Sarah L Farnworth, Neil Henderson, Philip Hodkinson, Tiina Kipari, Jeremy Hughes, Tariq Sethi
- 1430 – 1445 **\*Liver proteomics for therapeutic drug discovery: inhibition of the cyclophilin receptor CD147 attenuates sepsis-induced acute renal failure.** Edinburgh  
James W. Dear, Asada Leelahavanichkul, Angel Aponte, Xuzhen Hu, Stephanie L. Constant, Peter S.T. Yuen, Robert A. Star.
- 1445 – 1515 **Tea & Business Meeting**

## **Session 3**

Chair Prof David Webb

- 1515-1530 **\*Improvements in insulin sensitivity by PPAR $\gamma$ -agonists are not through inhibition of glucocorticoid action in humans.** Edinburgh  
Roland H Stimson, Deborah J Wake, Ruth Andrew, Brian R Walker
- 1530-1545 **\*Scottish Berries - Potential for Dietary Chemoprevention?** Aberdeen  
Alastair Mitchell, Oommen M, Bhatia P, Scott P, Robertson ZC, Stewart D, McDougall G & Wallace HM
- 1545-1600 **Relationship between maternal body mass index and post-dates pregnancy.** Edinburgh  
Fiona C Denison, C Graham, J Price, S Wild, WA Liston
- 1600 **Presentation of Prizes & Close of Meeting**
- ~1630 Bus departs for Waverley station

Scottish Society for Experimental  
Medicine  
Chancellor's Building,  
New Royal Infirmary of Edinburgh,  
Edinburgh



[www.ssem.org.uk](http://www.ssem.org.uk)

Friday 10th November 2006

## POSTER PRESENTATIONS

Board Number	Title	Location
1	<b>*Isolation Of Endothelial Cell Microparticles From Human Blood For The Discovery Of Biomarkers.</b> Faith Zhu, Shonna Johnston, David Webb, James Dear	Edinburgh
2	<b>Circulating Endothelial Cells, Arterial Stiffness And Cardiovascular Mortality Risk Stratification In Hypertension.</b> Christopher J Boos, Manas Karpha, D Gareth Beevers and Gregory YH Lip	Birmingham
3	<b>*Circulating Endothelial Cells As An Index Of Endothelial Dysfunction In Breast Cancer: Relationship To The Nottingham Prognostic Index Scoring System.</b> P.K.Y.Goon, P.S.Stonelake, A.D.Blann, G.Y.H.Lip	Birmingham
4	<b>*Endothelial dysfunction in healthy smokers and the effect of Sildenafil Citrate.</b> P Lilitkarntakul, JJ Oliver, SJ Leslie, K Grainger, G Atkins, J Beveridge, DJ Webb	Edinburgh
5	<b>*Calcium Activated Potassium Channels Contribute to Protease Activated Receptor Type 1 (PAR-1) Mediated Vasodilatation in Man.</b> Ninian N. Lang, Ingibjorg J. Gudmundsdottir and David E. Newby	Edinburgh
6	<b>*Inhalation of Particulate Air Pollution Impairs Vascular Function in Man.</b> NL Mills, AJ Lucking, J Beveridge, L Flint, F Paterson, P Fokkens, NA Boon, A Blomberg, T Sandstrom, K Donaldson, FR Cassee, DE Newby	Edinburgh
7	<b>*Effects of phosphodiesterase type 5 inhibition on exercise-induced vasodilatation in hypertensive patients.</b> Attinà TM, Malatino LS, Maxwell SR, Padfield PL, Webb DJ	Edinburgh
8	<b>*The Role of Nitric Oxide and Prostacyclin in the Vascular Effects of Thrombin Receptor Activation in Vivo in Man.</b> Ingibjorg J. Gudmundsdottir, Pamela Dawson, Christopher A. Ludlam, Keith A. Fox, David E. Newby	Edinburgh
9	<b>*The role of nitric oxide in the cutaneous response to ultraviolet irradiation – the story so far.</b> Megan Mowbray, Richard Weller, RE Morris	Edinburgh
10	<b>*Adverse cardiovascular effects of air pollution in patients with coronary heart disease.</b> E Vink, NL Mills, H Törnqvist, MC Gonzales, SD Robinson, S Soderberg, NA Boon, W MacNee, K Donaldson, T Sandstrom, A Blomberg, DE Newby	Edinburgh

*\*eligible for Young Investigator Prize*

- 11 **\*CT appearances at baseline in the MRC Third International Stroke Trial: relationship with time from stroke onset to scan and stroke severity.** Edinburgh  
William Whiteley, Peter Sandercock, and Joanna Wardlaw on Behalf of the Third International Stroke Trial Collaborative
- 12 **\*Diffusion weighted MRI in patients with mild strokes – factors associated with negative DWI and implications for trials and observational studies.** Edinburgh  
Fergus Doubal, Joanna Wardlaw, Martin Dennis
- 13 **Withdrawn**
- 14 **\*Cellular Localisation of the Endothelin type B Receptor in the Renal Medulla of transgenic mice.** Edinburgh  
Danielle Armour, David Webb & Yuri Kotelevtsev.
- 15 **\*Intravascular Glucocorticoid Metabolism by 11b-Hydroxysteroid Dehydrogenase Type 1 Following Arterial Injury.** Edinburgh  
Linsay J Macdonald, Anna R Dover, Eileen Miller, Brian R Walker & Patrick WF Hadoke
- 16 **\*Effect of Overweight/Obesity on Efficacy of Assisted Reproductive Techniques within a Tayside Population.** Dundee  
Geraldine Hancock
- 17 **Prokineticin-1 and prokineticin receptor 1 localisation and expression in third trimester human placenta.** Edinburgh  
FC Denison, S Battersby, M Szuber, MJ Evans, HN Jabbour.
- 18 **\*Characterisation of bradykinin receptors in isolated human myometrial arteries.** Edinburgh  
Amie J Bowler, Gillian A Gray, David E Newby, Margaret J Evans, Fiona C Denison.
- 19 **\*Relationship of BMI to Adipocyte Function in Normal Pregnancy.** Glasgow  
SS Huda, E K Tan, C Perry, I Greer, N Sattar, D Freeman
- 20 **Anxiety in pregnancy: antenatal influences and perinatal outcomes in the hospital and community setting.** Edinburgh  
Fiona Denison, Melanie D Gunning, Camilla J Stockley, Su Ping Ho, Brian R Walker, Rebecca M Reynolds
- 21 **\*Parallel developmental changes in male and female germ cells in human fetal gonads.** Edinburgh  
Gillian Cowan, Norma Fulton, Shiona Coutts, Richard Anderson, Philippa Saunders
- 22 **\*The Impact Of The Revised Alanine Transferase Criteria On The Prevalence And The Pattern Of Abnormal Liver Enzymes In Type 2 Diabetes Patients.** Edinburgh  
KA Lockman, NC McAvoy, AJ Jaap, PC Hayes
- 23 **\*Are there multiple endogenous glucocorticoids? Chronic Effects of 5 $\alpha$ -Tetrahydrocorticosterone in C57BL/6 Mice.** Edinburgh  
Chenjing Yang, Dawn EW Livingstone, Adriano G Rossi, Brian R Walker, Chris J Kenyon, Ruth Andrew

- 24      **\*Metabolic Characteristics of Lean Type 2 Diabetes with Abnormal Liver Enzymes.**      Edinburgh  
 KA Lockman, NC McAvoy, AJ Jaap, PC Hayes
- 25      **\*11 $\beta$ -Hydroxysteroid dehydrogenase 1: key regulator in oxysterol metabolism?**      Edinburgh  
 Mitić T, McNae I, Webster SP, Wamil M, Walker BR, Hadoke PWF, Andrew R
- 26      **Cardiovascular risk in type 2 diabetes is associated with Glu298Asp polymorphism of the eNOS gene: a Go-DARTS study.**      Dundee  
 Godfrey V, Doney ASF, Palmer CNA, Whitley A & Lang CC
- 27      **\*Expression of functional NMDA receptors in human osteoarthritic chondrocytes.**      Edinburgh  
 L.Ramage, G Hardingham and D Salter
- 28      **\*B1 - Integrin Regulation Of Mechanotransduction In Osteoarthritic Human Articular Chondrocytes**      Edinburgh  
 Elliot KJ, Salter DM
- 29      **Withdrawn**
- 30      **\*Platelet enhancement of fibrinolysis.**      Aberdeen  
 Kim M Baeten, Nuala A Booth
- 31      **\*TAFI activation in platelet-rich model thrombi.**      Aberdeen  
 Karolina M Lisiak, Nuala A Booth
- 32      **\*Potentially pro-thrombotic associations between platelet and endothelial function in patients with peripheral arterial disease.**      Aberdeen  
 Kalal KK, Mackay I, Greaves M, Brittenden J, Ford I
- 33      **\*ADMA – its Biological Variation and Response to Inflammation.**      Glasgow  
 Scott Blackwell, Dinesh Talwar, Denis St J O'Reilly
- 34      **\*Divergent modulation of apoptotic pathways in primary human innate immune cells by the cationic host defence peptide LL-37.**      Edinburgh  
 Peter G. Barlow , Yuexin Li , Thomas S.Wilkinson, Christopher Haslett, A. John Simpson, Robert E. W. Hancock, Donald J. Davidson
- 35      **\*The role of galectin-3 in acute bacterial pneumonia.**      Edinburgh  
 Sarah Farnworth, Neil Henderson, Alison Mackinnon, John Simpson, Chris Haslett, Tariq Sethi
- 36      **\*Hemin treatment of murine macrophages results in an HO-1 dependent anti inflammatory phenotype with reduced phagocytic ability.**      Edinburgh  
 Vasudev Ramdas, David Ferenbach, David Walbaum, Jeremy Hughes and David Kluth