ORAL COMMUNICATIONS

In oral communications with more than one author, the first author is the one who intended to present the work

1P **Lewis CJ, Gong H, Koch WJ, Brown MJ &Harding SE** Adenovirally-overexpressed beta 2-adrenoceptors enhance the contractile response to CGP 12177A in adult rat cardiomyocytes

2P **Byrne NF & Coker SJ** Protection against reperfusion-induced but not ischaemia-induced arrhythmias with chronic administration of 17B-oestradiol

3P **Philp KL, Coker SJ, Hussain M & HartG** 17ß-oestradiol has a greater inhibitory effect on the L-type calcium current in female than male cardiac ventricular myocytes

4P **Sharif I, Ness KF, Webb DJ, Seckl JR & Gray GA** Oestrogen worsens outcome following myocardialinfarction in mice

5P **Ness KF, Sharif I, Macpherson S, Gustaffson J-A, Saunders P & Gray GA** Modification of vascular function by the oestrogen receptor ²: the effect of ageing

6P **Kennedy S, Wainwright CL & Wadsworth RM** Local infusion of Paclitaxel does not influence neointimal formation in the porcine coronary artery after balloon injury

7P **Burke SG, Furman BL, Wainwright CL & Del Soldato P** The effect of NO-aspirin and aspirin on arrhythmias and infarct size resulting from coronary artery occlusion in a rat model of diabetes

8P **Looi YH, Wainwright CL & Kane KA** Adrenomedullin-induced cardioprotection: the role of nitric oxide

9P **MacKenzie A & Wadsworth RM** Superoxide anion contributes significantly to the impaired function of rat mesenteric arteries treated with lipopolysaccharide

10P **Mathewson AM & Wadsworth RM** Modulation of nitrergic nerve mediated vasodilation by inducible nitric oxide synthase

11P **Miller WH, Macrae IM & Wadsworth RM** Altered neurogenic vasodilation in rabbit basilar artery following experimental subarachnoid haemorrhage

12P **Alexander SPH, Hawkes J, Patel S & Ralevic V** Characterisation of the novel P2 receptor antagonist MRS2179 in the porcine isolated coronary artery

13P **Tracey A, Irvine J, MacDonald A, Wilkie I & Shaw AM** Inhibition of both nitric oxide and guanylyl cyclase exposes an EDHF in large bovine pulmonary arteries

14P **PNelli S, Wilson WS, Laidlaw H, Llano A, Middleton S, Price AG & Martin W** Potassium ion as the EDHF in bovine coronary artery

15P **McNeish AJ, Nelli S, Wilson WS & Martin W** Ascorbate inhibits EDHF in the bovine eye but not in the porcine coronary artery

16P **Hay DL, Howitt SG, Conner AC, Smith DM & Poyner DR** Pharmacological characterisation of RAMP2/CL and RAMP3/CL adrenomedullin receptors with adrenomedullin22-52 and CGRP8-37

17P **Briddon SJ, Middleton RJ, Kellam B & Hill SJ** Quantifying ligand binding to the adensoine-A_1 receptor at the single cell level using fluorescence correlation spectroscopy (FCS)

18P **Baker JG, Hall IP & Hill SJ** Certain classical "beta -blockers" stimulate gene transcription in CHO-K1 cells expressing the human ²-1 adrenoceptor

19P **Hill SJ & Baker JG** Differential antagonist affinities for isoprenaline and CGP 12177 stimulated gene transcription in CHO-K1 cells expressing the human ²-1 adrenoceptor at low levels

20P **Deighan C & McGrath JC** The expression levels of hepatic ±$_1$-adrenoceptors change with age in ±$_{1B}$-adrenoceptor knockout mice

21P **McGrath JC, Pediani JD, Macmillan J, Mackenzie J, Deighan C, Woollhead A, McGrory SP, McBride M, Ali Z, Malekzadeh-Shafaroudi M, Cotecchia S, Arribas SM, Vila E, Briones A, Perez D, Mullins J, Tsujimoto G & Daly CJ** Adventitial cells are identified as the major location of vascular að$_{1B}$-adrenoceptors and may drive vascular remodelling

22P **Coker SJ & Panagopoulos P** Evidence that prostaglandin E2 opens cardiac inward rectifier potassium channels: an explanation for prevention of torsade de pointes

23P **Shum WWC, Jones RL & Gurney AM** Activation of a membrane current and contraction by the prostanoid EP_3-receptor agonist sulprostone in guinea-pig aorta

24P **O'Neill GT, Rowan EG & Gurney AM** Muscarinic receptors and calcium signalling in rabbit isolated pulmonary artery smooth muscle cells

25P **Ayman S, Wallace P, Gibson A & McFadzean I** The Rho kinase inhibitor, Y-27632, inhibits contractile responses to carbachol, thapsigargin and potassium in mouse anococcygeus

26P **Templeman L, Chess-Williams R & Chapple C** Cholinergic, adrenergic, nitrergic and purinergic neurotransmission in the pig bladder dome

27P **Williams DJ, Brain KL & Cunnane TC** Ca^{2+} imaging and electrophysiological studies of epibatidine-induced transmitter release from postganglionic sympathetic nerve terminals in mouse isolated vas deferens

28P **Mangoni AA, Close JCT, Rodriguez S, Sherwood RA, Bryant CA, Swift CG & Jackson SHD** Acute hemodynamic effects of cisapride and erythromycin in healthy subjects

29P **Gardiner SM, Kemp PA, March JE, Baer PG, Brown KK, Nunez D & Bennett T** Regional haemodynamic effects of the PPAR g activator, G1262570, in conscious rats

30P **Pugsley MK, Cole T, Yang X, Dhawan S & Ammons WS** The cardiovascular actions of Amphotericin B, a polyene antifungal antibiotic, in anesthetized rats

31P **Crane MS, Ollosson R, Moore KP, Rossi AG & Megson IL** Inhibition of human platelet activation by a short-acting nitric oxide donor drug is substantially prolonged by albumin and plasma thiols

32P **Yona S, Perretti M, Buckingham JC, Morris JF & Flower RJ** Altered degree of activation and steroid inhibition in leukocytes from annexin 1 null mice

33P **Ellis KM, Mazzoni L & Fozard JR** Further studies on the mechanism of bradykinin-induced bronchoconstriction in actively sensitised Brown Norway rats

34P **Mangoni AA, Arya R, Ford E, Asonganyi B, Sherwood RA, Ouldred E, Swift CG & Jackson SHD** Effects of folic acid supplementation on inflammatory and thrombogenic markers in chronic smokers. A randomised controlled trial

35P **McQueen DS, Smith PJW, Balali-Mood K & Smart D** Cannabidiol does not affect vasorespiratory responses to capsaicin and anadamide in anaesthetised rats

36P **Egerton A, Pratt JA & Brett R** Differential modulation of immediate early gene expression and GABAergic interneuron activity in the nucleus accumbens in response to D9-tetrahydrocannabinol administration

37P **Eriksen AB & Watson WP** Correlation of convulsant thresholds to infused bicuculline and 4-aminopyridine with extent of pentylenetetrazole (PTZ) kindling in mice

38P **Claase L & Pratt J** Diazpem tolerance development and mRNA expression of the NMDA receptor complex

39P **Akhondzadeh S, Mojtahedzadeh V & Mirsepassi GR** Diazoxide in the treatment of schizophrenia: novel application of potassium channel openers in the treatment of schizophrenia

40P **Akhondzadeh S, Tavakolian R, Davari Ashtiani R & Amini-Nooshabadi H** Selegiline in the treatment of attention deficit hyperactivity disorder in children: a double blind randomized and controlled trial

POSTER COMMUNICATIONS

41P **McCartney CE, Rowan EG & Rowe ICM** The effects of hypoxia on the activity of neuronal large conductance calcium-activated potassium (BK_{Ca}) channels

42P **Wang J & Gurney AM** Modulation of Kv3.1b channels expressed in HEK293 cells by redox agents and hypoxia

43P **Cruickshank SF & Drummond RM** The effect of Cl^- channel blockers on Ca^{2+} signalling in rat pulmonary artery smooth muscle cells

44P **Witchel HJ, Paul AA, Hancox JC & Mitcheson JS** Molecular determinants of HERG blockade by propafenone differ from those of methanesulphonanilides

45P **Salcedo C, Davalillo S, Catena J, Enrich A, Fernández-Serrat A, Miquel I, Sanagustín J, Farrerons C, Lagunas C, Balsa D & Fernández AG** Functional characterization of SVT 40776, a novel and potent M_3 receptor antagonist, on mice detrusor and atria isolated preparations using in vitro and ex vivo protocols

46P **Bellingham M, Bovell D & Corbett AD** Prostaglandin involvement in carbachol-evoked changes in short circuit current in rat distal colon

47P **Khan H, Tuladhar BR & Naylor RJ** Pharmacological characterization of endothelin receptors in the mouse isolated proximal and distal colon

48P **Gribben EE, Caldwell S, Grant AW & Nally JE** Concentration-dependent potentiation of ANP-evoked relaxations by glycosaminoglycans in bovine bronchi

49P **Tracey A, Irvine J, MacDonald A, Wilkie I & Shaw AM** Bradykinin-induced relaxation of bovine pulmonary supernumerary arteries: involvement of gap junctions

50P **Milliken PH & Wadsworth RM** Superoxide and superoxide dismutase in pulmonary hypoxic vasoconstriction

51P **Morecroft I, Loughlin L, MacKenzie J, Harmar AJ & MacLean MR** Increased pulmonary hypertension in mice over-expressing the 5-hydroxytryptamine transporter gene

52P **Rowell KO, Gill S, Wagstaff J, Jones RD, Pugh PJ, Jones TH & Channer KS** Assessment of the vasodilatory action of testosterone in isolated human pulmonary arteries and veins

53P **Kennedy C, Wang S & Gurney AM** Characterisation of P2Y receptors mediating contraction of the rat isolated pulmonary artery

54P **Lindsay SL, Holdsworth R, Sherine T & Bovell DL** Immunolocalisation of $P2Y_2$ receptor subtype in human hyperhidrotic eccrine sweat glands

55P **Tep-areenan P, March JE, Kemp PA, Randall MD, Kendall DA, Bennett T & Gardiner SM** Effects of chronic, in vivo, treatment with a nitric oxide synthase inhibitor on vasorelaxant responses to anandamide in isolated rat arteries

56P **Dantas MFV, Akamine EH, Fortes ZB, Nigro D, Carvalho MHC & Tostes-Passaglia RCA** Effect of connexins 37, 40 and 43 mRNA overexpression in rats and the potential contribution to increased endothelium-dependent relaxation during pregnancy

57P **Hughes RA & Randall MD** The involvement of endothelium-derived nitric oxide in vasorelaxation to bendrofluazide in the rat aorta

58P **Wakefield ID, Gardiner SM, Valentin J-P & Bennett T** Comparitive effects of S-methyl-L-thiocitrulline and N^G-nitro-L-arginine methyl ester on salbutamol-induced hindquarters vasodilation in conscious rats

59P **Grainger J, Senaratna RN & Boachie-Ansah G** The role of the endothelium, cyclooxygenase, lipoxygenase and cytochrome P450 in the actions of arachidonic acid in sheep coronary arteries

60P **Tep-areenan P, Kendall DA & Randall MD** The involvement of K^+ channels in the vasorelaxant responses to testosterone in the rat aorta

61P **Tep-areenan P, Kendall DA & Randall MD** Mechanisms of acute vasorelaxant effects of testosterone in the rat aorta

62P **Kuc RE, Ashby MJ, Seed A, Passier P, Essers H, McMurray JJV & Davenport AP** SLV306, a novel endothelin converting enzyme and neutral endopeptidase inhibitor prevents systemic conversion of infused big endothelin-1 in humans

63P **Johnström P, Richards H, Fryer T, Barret O, Clark J Pickard J & Davenport AP** Radiosynthesis and in vivo biodistribution of [^{18}F]-Big ET-1, a potential PET radioligand for the study of enzyme conversion of Big ET-1 to ET-1

64P **Webb R & Woodward B** Inotropic actions of endothelin and phenylephrine are selectively depressed in right, but not left, ventricular myocytes from rats with hypoxia-induced right ventricular hypertrophy

65P **Wallace AF, Denvir MA & Gray GA** Seasonal variation of myocardial endothelin receptor mRNA expression in rats

66P **Nettleship JE, Jones RD, Pugh PJ, Jones TH & Channer KS** Serum cytokine levels in male patients with stable coronary artery disease

67P **Pau D, Workman AJ, Kane KA & Rankin AC** 5-hydroxytryptamine increases calcium current but not refractoriness in human single atrial myocytes

68P **Maginn M, Mow T & Matz J A** comparison of two rabbit models of drug induced polymorphic ventricular tachycardia

69P **Webb R & Woodward B** The positive inotropic action of phenylephrine in rat isolated cardiac myocytes, plated on laminin, is converted to a negative effect when cells are plated on fibronectin

70P **Winn PL, Kelso K & Grant MH** Effect of aspirin and dexamethasone on proliferation of human aortic smooth muscle cells

71P **Maguire JJ, Perez Barriocanal F & Davenport AP** Are vasoconstrictor responses to tyramine in human blood vessels, in vitro, mediated by the orphan trace amine receptor, TA1?

72P **Shafaroudi MM, Daly CJ & McGrath JC** Analysis of aδ2 adrenoceptor and angiotensin mediated responses in mouse aorta

73P **Grant S, Wadsworth RM, Lutz EM & Robberecht P** Vasoactive intestinal polypeptide receptor subtypes involved in vasodilation of porcine basilar artery

74P **Roberts SA, Gallagher O, Jones RD, English KM, Jones TH & Channer KS** Quantification of lumen occlusion due to neointimal cell growth in cultured thoracic aortae from testicular feminized and control mice

75P **Miquel R, Gisbert R, Tur R, Anselmi E, Ivorra MD, Noguera MA & D'Ocon P** Chronic nifedipine treatment decreases the functionality of aδ1D –adrenoceptors in spontaneously hypertensive rats

76P **Woolard J, Gardiner SM, Aspley S & Bennett T** Regional haemodynamic effects of the 5-HT and noradrenaline re-uptake inhibitor, sibutramine, in conscious rats

77P **Woolard J, Gardiner SM, Aspley S & Bennett T** Effects of diet on the regional haemodynamic responses to sibutramine in conscious rats

78P **Paxton JW, Kestell P, Ding Q, Ching L-M, Zhou S, Palmer BD & Baguley BC** Preliminary investigations into the pharmacokinetic interaction between cyclophosphamide and thalidomide in the mouse

79P **Boibessot I, Skellern GG, Watson DG & Grant MH** Metabolism and distribution of isometamidium in isolated rat hepatocytes

80P **Mairaj J, Watson DG, Skellern GG & Grant MH** Toxicity of codeine, codeinone and oxycodone in HepG2 cells: Identification of a codeinone-glutathione conjugate

81P **Bhardwaj S, Larratt LM, Mant MJ, Turner AR & Gati WP** Membrane transport is a determinant of arabinosylcytosine cytotoxicity in leukaemic myeloblasts from patients with acute myeloid leukaemia

82P **Zeitlin IJ, Teh PS, Teng WT, Wilson P, Yang KY, Ng RSK, Marshall S & Logue DN** Extracellular products of the mastitis-inducing pathogens, Escherichia coli and Staphylococcus aureus, activate bovine milk kallikreins

83P **McCafferty D-M, Cara DC & Kubes P** Mast cell independent mechanisms of immediate hypersensitivity: a role for platelets

84P **Tigani B, Cannet C, Zurbruegg S, Beckmann N & Fozard JR** Effects of anti-inflammatory drugs on established lung inflammation induced by allergen in actively sensitised Brown Norway rats assessed non-invasively by MRI

85P **Cameron P, Plevin R & Rotondo D** The effect of the p38 kinase inhibitor SB203580 on tumour necrosis factor-aδ

86P **Walker W & Rotondo D** Regulation of NK-cell interferon-γ synthesis by prostaglandin E2 and EP-receptor analogues

87P **Habeeb F, Rotondo D & Davidson J** Suppression of tumour necrosis factor-α□ production in human blood by interactions between prostaglandin E2, interleukin-10 and transforming growth factor-β□

88P **Sepulveda MF, Goode NT & Cunningham FM** Priming of equine eosinophil superoxide production

89P **Byrne NF & Coker SJ** Reduced platelet aggregation but no change in vascular responsiveness with chronic administration of 17β-oestradiol

90P **Zacharia J, Hillier C & MacDonald A** Neurally-evoked responses of rat femoral small arteries are predominantly mediated by α_{1A}-adrenoceptors

91P **McBride M, Daly CJ & McGrath JC** Contractile responses to UK14304 are inhibited by low concentrations of rauwolscine but are unaffected by prazosin in the mouse tail artery

92P **Ali Z, McGrath JC & Daly CJ** Characterisation of the contractile α_{1A}-adrenoceptor response in the mouse thoracic aorta

93P **Brahmadevara N, MacDonald A, McGrath JC & Daly CJ** Measurement of cellular and tisuue distribution of beta-adrenoceptors in rat thoracic aorta using BODIPY-CGP 12177

94P **Brahmadevara N, Shaw AM & MacDonald A** Role of potassium channels in β-adrenoceptor-mediated vasorelaxation in rat aorta and superior mesenteric artery

95P **Baker JG, Hall DV, Hall IP & Hill SJ** Agonist stimulated gene transcription may discriminate two conformations of the human beta-1 receptor

96P **Milasta S, Wilson S & Milligan G** The orexin 1 receptor interacts with beta-arrestin 2 at its extreme C-terminus

97P **Conner AC, Hay DL, Howitt SG, Stirling DJ, Wheatley M, Smith DM & Poyner DR** The effect on signalling of mutations to proline residues within the transmembrane regions of human calcitonin receptor-like receptor (CL)

98P **Dryden WF, Dunn SMJ & Kula MA** Incidence of subconductance currents at single nicotinic receptors is inversely proportional to flexible agonist concentration, but independent of rigid ligand concentration

99P **Dryden WF, Gao Y & Rydz D** Transmitter mobilization at the mammalian neuromuscular junction is mediated by cgrp acting on salmon calcitonin sensitive receptors coupled to adenylate cyclase by G_s

100P **Prior C & Parsons RL** A role for synapsin-I in the mobilisation of acetylcholine for release from motor nerve terminals of the mouse

101P **Prior C & Cunningham K** Attenuation of vecuronium-induced tetanic fade in the rat hemidiaphragm by the P2X recerptor antagonist, PPADS

102P **Currie AJ, Rowan EG & Kennedy C** Characterisation of P2X receptors in rat dorsal root ganglion sensory neurones

103P **Menzies JRW & Kennedy C** P2X receptor-like immunoreactivity in the guinea-pig vas deferens

104P **Menzies JRW, Paul, A & Kennedy C** Biochemical characterisation of a soluble ATPase released from sympathetic nerves

105P **Walsh KL, Barratt L, Newberry NJ, Sheardown MJ, Bickerdike MJ & Malcolm S** Use of FLIPR™ in the characterisation of voltage-gated sodium channels in the SH-SY5Y human neuroblastoma cell line

106P **Ribeiro L, Azevedo I & Martel F** Effect of somatostatin on catecholamine release from bovine adrenal medullary cells

107P **Cuprian AM, Mather H, Trout SJ & Cunnane TC** Studies on the cholinergic innervation of the mouse isolated vas deferens

108P **Elmes SJR, Kendall D & Chapman V** Effects of lysophosphatidic acid on peripheral somatosensory processing

109P **Roe C & Mason R** Effects of cannabinoid (CB) agonists on rat hippocampal neuronal firing rate activity using multi-channel extracellular recording

110P **Dempsie Y, Cheetham S, Wikberg J & Mason R** Effect of neuropeptide Y antagonists BIBO3304 and CGP71683A on neuropeptide Y-evoked responses in the rat lateral hypothalamus

111P **Overbury AL, Marsden CA & Kendall DA** The effect of 5,7-Dihydroxytryptamine on central cannabinoid receptor function

112P **Heffron H, McQueen DS & Smith PJW** A functional study of regional differences in cannabinoid and vanilloid receptors in the anaesthetised rat

113P **Duncan M, Kendall DA & Ralevic V** The CB_2 selective cannabinoid agonist JWH-015 attenuates sensory neurotransmission in the rat isolated mesenteric arterial bed

114P **Leggett J, Overbury A, Beckett S & Kendall D** Oleamide stimulates [^{35}S] GTP gS binding in rat brain preparations via a cannabinoid receptor

115P **Howson PA, Kennedy IJ, Miller JC, Woolley M & Jane DE** The effect of *N*-substitution of (*RS*)-4-Carboxyphenylglycine on antagonist activity at group I metabotropic glutamate receptors expressed on neonatal rat motoneurones

116P **More JC, Troop HM & Jane DE** Effect of 5-substitution of N^3-substituted willardiine derivatives on antagonist activity at AMPA receptors expressed on neonatal rat motoneurones

117P **Ge J, Andrews N, Hill DR & Shahid M** Microdialysis studies in the frontal cortex of the freely moving rat to investigate the interaction between the novel AMPAkineTM CX 516 and serotonergic neurotransmission

118P **Dolan S, Kelly JG & Nolan AM** Up-regulation of metabotropic glutamate receptor 5 ($mGluR_5$) mRNA in spinal cord in a clinical model of inflammation and hyperalgesia

119P **Forrest CM, Darlington LG & Stone TW** Hydrogen peroxide and ferrous chloride potentiate lipid peroxidation by quinolinic acid in rat brain homogenates

120P **O'Kane EM, Stone TW & Morris BJ** Differential effects of prenylation inhibitors on long-term potentiation in area CA1 of adult rat hippocampus

121P **Bianchi M & Crespi F** Cytoskeletal changes in stress and depression: involvement of the microtubular network in neuronal plasticity failure

122P **Khundakar AA & Zetterström TSC** Differential expression of BDNF exons in rat brain after systemic administration of paroxetine and tranylcypromine

123P **Martel F, Keating E & Azevedo I** 1-METHYL-4-PHENYLPYRIDINIUM (MPP^+) uptake by the jar human placental choriocarcinoma cell line

124P **McKerchar CE, Morris BJ & Pratt JA** Acute and chronic PCP-induced changes in PSD95 mRNA expression in rat prefrontal cortex: Lack of modulation by clozapine and haloperidol

125P **Willerton L, McKerchar CE, McVie A, Pratt JA & Morris BJ** GABA neurone gene markers; Modulation of expression in the rat prefrontal cortex by acute and subchronic PCP

126P **Aston JC, Kosar F, Rawji F, Elliott JM & Zetterström TSC** Methylphenidate induces Arc mRNA expression differentially in adult and juvenile rat brain

127P **Quate L, McBean DE, Ritchie IM, Olverman HJ & Kelly PAT** Chronic methylenedioxymeth-amphetamine administration: effects on local cerebral blood flow and glucose utilisation in the rat

128P **Juranyi Z, Harsing Jr. LG & Zigmond MJ** [^{3}H]dopamine release in rat striatum evoked by electric field stimulation of cortex in complex corticostriatal slice preparation in vitro

129P **Scott C, Jones DNC, Reavill C, Gibson V, Rourke C, Shilliam CS, Langmead CJ, Watson J & Starr KR** Determination of dopamine D_2 receptor occupancy in rat striatum and behavioural effects of haloperidol

130P **Harper LK, Beckett SR, Marsden CA & Alexander SPH** Binding of the A_{2A} adenosine receptor antagonist radioligand [^{3}H]-ZM241385 to particulate preparations from the porcine putamen and nucleus accumbens

131P **Harper LK, Beckett SR, Marsden CA & Alexander SPH** A_{2A} adenosine receptor inhibition of dopamine release in the rat nucleus accumbens in vitro

132P **Roberts C, Thomas DR & Kew JNC** GABAergic modulation of 5-HT_7 receptor mediated effects on 5-HT efflux

133P **Manning J-PA, Richards DA & Bowery NG** Anti-absence effect of ethosuximide administered via reverse microdialysis into the ventrobasal thalamus (VB) of the genetic absence epilepsy rat from Strasbourg (GAERS)

134P **Ferrigan L, Roshan-Milani S, Khoshnood-Mansoorkhani MJ & Cobb SR** Modulation of epileptiform bursting activity in hippocampal slices by nicotinic acetylcholine receptor activation

135P **Slough S, Bastlund JF & Watson WP** Repeated administration of subconvulsant doses of 4-aminopyridine (4-AP) causes decreased seizure incidence to higher doses of 4-AP but not other convulsant drugs

136P **Santos A, Borges N, Cerejo A & Sarmento A** Brain catalase activity in a model of closed head trauma in the rat: Effect of gadolinium and amiloride

137P **Avshalumov MV, MacGregor DG & Rice ME** Glial antioxidant network prevents H_2O_2-induced oxidative damage in guinea pig brain slices

138P **MacGregor DG, Avshalumov MV & Rice ME** Mechanisms underlying rat cerebral oedema formation in *in vitro* ischaemia

139P **Clark CJ, Phillips RS & Stone TW** Neuropeptide-containing cells in the cortex and striatum of mice with cerebral malaria

140P **Bell JK, Rees JL, Walsh P & McQueen DS** Thioperamide, an H_3 antagonist, reduces histamine-induced scratching in balbc mice

141P **Tarrach C, Harrold J, Cassidy R, Wilding J & Williams G** Involvement of hypothalamic melanocortin receptors in rosiglitazone-induced weight gain

142P **Elliott J, Harrold J, King P & Williams G** Increased melanin-concentrating hormone (MCH) levels in the arcuate (ARC), and paraventricular (PVN) nuclei of dietary obese rats

143P **Storey JD & Balfour DJK** The influence of repetitive stress on hippocampal 5-HT overflow and plus-maze activity in the rat

144P **Robertson DA, Beattie JE, Reid IC & Balfour DJK** Regionally-selective upregulation of hippocampal glucocorticoid receptors in response to chronic unavoidable stress in the rat

145P **Shahraki A & Stone TW** Suppression of the presynaptic effects of adenosine by metabotropic glutamate receptors in rat hippocampal slices

DEMONSTRATIONS

146P **Dempster J, Wokosin DL, McCloskey KD, Girkin JM & Gurney AM** Winfluor – an integrated system for the simultaneous recording of cell fluorescence images and electrophysiological signals on a single computer system