

## ORAL COMMUNICATIONS

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

- 1P **Clark A, Watson WP & Little HJ** Effects of nicotine infusion on operant self-administration of ethanol
- 2P **Kelly S, Uney JB & McCulloch J** Effect of intense metabolic stress upon heat shock protein 70i transgenic mice: a [<sup>14</sup>C]-2-deoxyglucose autoradiography study
- 3P **Callado LF & Stamford JA** The  $\alpha_2$  adrenoceptor controlling noradrenaline release in the rat locus coeruleus is of the  $\alpha_{2A}$  subtype: voltammetric evidence
- 4P **Maratos E, Jackson MJ, Pearce RKB, Jenner P & Marsden CD** Comparison of repeated treatment with L-DOPA, pergolide and apomorphine on dyskinesia induction in MPTP-treated common marmosets
- 5P **Nicholson JR & McKnight AT** The effect of the agonist Ac-RYYRWKNH<sub>2</sub> and the antagonist [Phe<sup>1</sup>y(CH<sub>2</sub>-NH)Gly<sup>2</sup>]nociceptin(1-13)NH<sub>2</sub> at the ORL1 receptor of central and peripheral sites
- 6P **Hughes ZA & Sharp T** Evidence that pindolol lacks the ability to enhance the effect of SSRIs on presynaptic 5-HT function
- 7P **Tattersall JEH, Smith AP, Waters K, Mistry R, & Weeden D** Therapeutic action of HI-6 against soman poisoning *in vitro*: an interspecies comparison
- 8P **Knowles ID & Ramage AG** Activation of central 5-HT<sub>2B</sub> receptors causes renal sympathoexcitation in anaesthetized rats
- 9P **Andersson DA, Zygmunt PM & Högestatt ED** Pharmacological evidence for the involvement of IK<sub>Ca</sub> and SK<sub>Ca</sub> in EDHF-mediated relaxation of the rat hepatic artery
- 10P **Patel HJ, Halfpenny J, Venkatesan P, Barnes PJ, Yacoub MH, Fox A & Belvisi MG** Modulation of acetylcholine release from cholinergic nerves innervating human and guinea-pig trachea by endomorphin -1 and -2
- 11P **Lal H, Williams KI & Woodward B** Normoxic perfusion of chronically-hypoxic (CH) rat isolated lungs leads to pulmonary vasoconstriction mediated by endogenous endothelins via the activation of ET<sub>B</sub> receptors
- 12P **Hawthorn MH, Chapple CR & Chess-Williams R** Inhibitory effects of the mucosa on the contractile responses of the pig detrusor muscle
- 13P **Davis BJ, Chapple CR & Chess-Williams R**  $\alpha_1$ -adrenoceptor subtypes in human penile tissue
- 14P **Teixeira CE, Antunes E & de Nucci G** The effects of  $\alpha$ - and  $\beta$ -adrenoceptor antagonists on the rabbit corpus cavernosum relaxation mediated by *Tityus serrulatus* scorpion venom
- 15P **Harris D, Kendall DA & Randall MD** Effects of AM 404, a cannabinoid reuptake inhibitor, on EDHF-mediated relaxations in the rat isolated mesentery
- 16P **McIntyre CA, Andrews RC, Elliot A, Gray GA, Williams BC, McKnight JA, Walker BR & Hadoke PWF** Endothelium-derived hyperpolarizing factor mediates to a large extent acetylcholine-induced relaxation of human subcutaneous resistance arteries
- 17P **MacKenzie A & Martin W** A superoxide dismutase mimetic impairs basal nitric oxide activity in rat aorta
- 18P **Brawley L, MacDonald A & Shaw AM** Role of endothelium in classical and atypical  $\beta$ -adrenoceptor-mediated vasorelaxation in rat isolated aorta
- 19P **Emsley AM, Wyatt MC, Jeremy JY, Sorenson JRJ & Plane F** Inhibition of endothelium-dependent relaxation of rat isolated aortic rings by a low molecular mass complex of copper
- 20P **Stanford SJ, Pepper JR & Mitchell JA** GM-CSF release from human vascular smooth muscle cells is suppressed by co-induced COX-2
- 21P **Morris SA, Correa V, Cardy TJA & Taylor CW** Interactions between inositol trisphosphate receptors and fluorescent Ca<sup>2+</sup> indicators
- 22P **Cardy TJA & Taylor CW** Ca<sup>2+</sup>-independent inhibition of type 1 inositol trisphosphate receptors by calmodulin
- 23P **Davis RJ, Challiss RAJ & Nahorski SR** Antagonism of receptor-mediated Ins(1,4,5)P<sub>3</sub>-induced Ca<sup>2+</sup> signalling by the partial agonist 3F-Ins(1)P<sub>3</sub>(4,5)PS<sub>2</sub>
- 24P **Akam EC, Nahorski SR & Challiss RAJ** Analysis of M<sub>1</sub>, M<sub>2</sub>, M<sub>3</sub>, M<sub>4</sub> – muscarinic cholinergic – G protein coupling using [<sup>35</sup>S]-GTP $\gamma$ S and  $\alpha$ -specific immunoprecipitation.
- 25P **Wylie PG, Challiss RAJ & Blank JL** Comparative study of extracellular signal regulated protein kinase (ERK) and c-Jun NH<sub>2</sub>-terminal kinase (JNK) in CHO cells expressing M<sub>2</sub>- and M<sub>3</sub>-muscarinic receptors
- 26P **Halliwel RF, Thomas P, Smart TG, Martinez-Torres A & Miledi R** Subunit selective modulation of GABA<sub>A</sub> receptors by the NSAID mefenamic acid.
- 27P **Alexander SPH** Binding of the antagonist radioligand [<sup>3</sup>H]-ZM241385 to A<sub>2A</sub> adenosine receptors in rat brain homogenates
- 28P **Smart D, Langmead C & McKnight AT** Inhibition by PD165929, a BB<sub>1</sub> antagonist of desensitisation at the human BB<sub>1</sub> receptor
- 29P **Burke-Gaffney A & Hellewell PG** Extracellular matrix proteins associated with human bronchial epithelial cells mediate eosinophil adhesion
- 30P **Conran N, Ferreira HHA, Antunes E & de Nucci G** Inhibition of FMLP-stimulated eosinophil *in vitro* chemotaxis by N<sup>ω</sup>-nitro-L-arginine methyl ester
- 31P **Blease K, Chen Y, Hellewell PG & Burke-Gaffney A** Interactions between lipoteichoic acid and lipopolysaccharide on human lung microvascular endothelial cell adhesion molecule expression and interleukin-8 release
- 32P **Coward WR & Church MK** The modulation of NK- $\kappa$ B and subsequent cytokine production in human purified mast cells: a role for protein kinase A
- 33P **Lever R & Page CP** Effect of heparin upon adhesion of polymorphonuclear leucocytes to stimulated human umbilical vein endothelial cells and adhesion molecule expression *in vitro*

- 34P **Coogan AN & O'Connor JJ** Interleukin-1 $\beta$  inhibits a tetraethylammonium-induced synaptic potentiation in the rat dentate gyrus *in vitro*
- 35P **Giuliano F & Warner TD** *Ex vivo* assay to determine the cyclooxygenase selectivity of non-steroidal anti-inflammatory drugs
- 36P **Zacharowski K, Olbrich A & Thiemermann C** Agonists of the prostanoid EP<sub>3</sub>-receptor reduce myocardial infarct size in a rat model of myocardial ischaemia and reperfusion
- 37P **McDonald MC, Bowes J & Thiemermann C** The stable nitroxide radical Tempol reduces infarct size caused by regional ischaemia and reperfusion in the isolated, perfused heart of the rat

## POSTER COMMUNICATIONS

- 38P **Cahir M, Konkel MJ, Durkin MM, Wetzel JM, Brancheck TA & Craig DA** Autoradiographic distribution of the  $\alpha_{1D}$  adrenoceptor in the rat CNS
- 39P **Gardiner JC, Gupta P, Butler P, Pryke JG & Roffey SJ** The sodium channel modulators lamotrigine and 4030W92 block ectopic discharge originating in rat sciatic neuromas
- 40P **Sokal DM, Parker TL & Mason R** Differential effect of thapsigargin on bicuculline- and gabazine-induced epileptiform excitability in dissociated rat hippocampal neurones
- 41P **Yeung SY, Millar JA, Boyd DE, Jones G, Gittos MW & Mathie A** Block of neuronal K<sub>v</sub> potassium currents by fluoxetine and iprindole
- 42P **Thomas P, Halliwell R, James CH & Smart TG** Modulation of GABA<sub>A</sub> receptors by mefenamic acid: Involvement of asparagine 290 in the second transmembrane domain of the  $\beta 2$  subunit
- 43P **Chadha A & Duty S** Alterations in GABA<sub>A</sub>  $\alpha_1$ ,  $\beta_2$  and  $\gamma_2$  receptor subunit gene expression in the globus pallidus in the 6-hydroxydopamine (6-OHDA) lesioned rat model of Parkinson's disease
- 44P **Iravani MM, Babwah R, Rose S & Jenner P** Dopamine cell loss and expression of inducible nitric oxide synthase immunoreactivity following intranigral injection of lipopolysaccharide
- 45P **Thomas LS, Jane DE & Croucher MJ** Glutamate autoreceptors of the mGlu<sub>5</sub> sub-type enhance neuronal glutamate release in the rat forebrain *in vitro*
- 46P **Attwell PJE, Singh Kent N, Jane DE, Croucher MJ & Bradford MH** The group II metabotropic glutamate receptor agonist DCG-IV increases generalized seizure thresholds in the amygdala kindling model of epilepsy.
- 47P **Bell MI, Richardson PJ, Pinnock RD & Lee K** APCD depolarises rat cholinergic interneurons through activation of group I metabotropic glutamate receptors
- 48P **Kaiser S & Wonnacott S** Nicotinic acetylcholine receptors on glutamatergic nerve terminals can enhance dopamine release in rat striatum
- 49P **Bulmer DCE, Hoskin KL, Lasalandra M & Goadsby PJ** L-NAME reduces Fos expression in trigemino-cervical complex after superior sagittal sinus stimulation in the anaesthetized cat
- 50P **Reeve AJ, Fox A, Walker MJK & Urban L** The spinal effects of interleukin-1 $\beta$  and an interleukin-1 converting enzyme inhibitor, SDZ-224-015 on the responses of dorsal horn neurones in the anaesthetized rat
- 51P **Trew EA, Xie XM & Trezise DJ** Modulation of synaptic transmission in the rat spinal cord *in vitro* by 4030W92, a novel antihyperalgesic agent
- 52P **Purbrick S, Meecham K, Hughes J & Williams RG** Influence of gabapentin on *c-fos* expression in rat spinal cord following intraplantar formalin injection.
- 53P **Blyth KL, Meecham K, Hughes J & Williams RG** Gabapentin binding in the rat spinal cord: effect of rhizotomy and capsaicin.
- 54P **Hopwood SE & Stamford JA** Differing effects of paroxetine and fluoxetine on 5-HT release and reuptake in the rat dorsal raphe nucleus.
- 55P **Stowe RL & Barnes NM** Co-localisation of 5-HT<sub>7</sub> receptor mRNA with GAD<sub>67</sub>-like immunoreactivity in rat brain neurones.
- 56P **Barton CL, Jay MT & Hutson PH** 5-HT<sub>1A</sub> receptor binding *in vivo* using [<sup>3</sup>H]-MPPF, a selective 5-HT<sub>1A</sub> receptor ligand.
- 57P **Roberts C, Boyd DE, Price GW, Middlemiss DN & Routledge C** 5HT<sub>1A</sub> receptor antagonism or uptake inhibition enhance the effects of 5-HT<sub>1B/1D</sub> autoreceptor blockade on extracellular 5-HT in guinea-pig forebrain
- 58P **Price GW, Ho M, Scott C, Selkirk JV & Brown AM** 5-HT receptor agonist-antagonist binding affinity ratios as a measure of intrinsic activity, using [<sup>3</sup>H]8-OH-DPAT and [<sup>3</sup>H]MPPF as radioligands
- 59P **Hawcock AB, Bictash M, Lightbown I, Trevethick M & Gale J** Is Kojic amine a GABA<sub>B</sub> receptor agonist in the rat isolated anococcygeus?
- 60P **Javid FA & Naylor RJ** Characterisation of the 5-HT receptor mediating the contraction response to DOI in the proximal region of the *Suncus murinus* intestine
- 61P **Rhodes KE, Steiner T & Buckingham JC** Inhibitory effects of sumatriptan and zolmitriptan in the rat electrically stimulated vas deferens.
- 62P **German EJ, Wood D & Hurst MA** Comparison of muscarinic receptor subtypes in the sheep ciliary muscle and iris sphincter using a radioligand binding approach.
- 63P **Smith M & Ebenezer IS** The effects of chronic administration of the 5HT<sub>1A</sub> agonist gepirone on food intake in food-deprived rats.
- 64P **Ebenezer IS, Vellucci SV & Parrott RF** Effects of the histamine-3 (H-3) receptor agonist GT2016 on food intake and cortisol secretion in pigs
- 65P **Reavill C, Kettle A, Holland V, Riley G & Blackburn TP** 5-HT<sub>2C</sub> receptor antagonists, but not a 5-HT<sub>2A</sub> or 5-HT<sub>2B</sub> receptor antagonist, attenuate haloperidol-induced catalepsy in rat
- 66P **Hansard MJ, Smith LA, Jackson MJ, Cheetham SC & Jenner P** The antiparkinsonian ability of bupropion in MPTP-treated common marmoset
- 67P **Cheer JF, Kendall DA & Marsden CA** *In vivo* evidence for oleamide as a potential endo-cannabinoid ligand

- 68P Melotto S, Poffe A, Gerrard PA, Reggiani A, Trist D & Ratti E Use of telemetric recording of EEG, EMG and EOG to assess sleep parameters in the common marmoset
- 69P Wetherell JR, Hall TL, Pinhorn V & Mumford H The effect of cholinergic drugs on a range of parameters in the guinea-pig
- 70P Robinson ESJ, Nutt DJ, Jackson HC & Hudson AL Time course of spontaneous behavioural effects of antisense oligonucleotides targeting the  $\alpha_{2D}$ -adrenoceptor in the rat
- 71P Koubanakis M, Leake LD & Dupourqué B The use of the leech (*Hirudo medicinalis*) Retzius cell as a model for studying the action of convulsants and anticonvulsants
- 72P Thompson SA, Arden SA, Wingrove PB, Whiting PJ & Wafford KA The selectivity of furosemide for  $\alpha_6$ -containing GABA<sub>A</sub> receptors is determined in part by Ile228
- 73P Payne SL & Strange PG Mechanisms of ligand binding and agonist efficacy at the human D<sub>2short</sub> dopamine receptor
- 74P Cucchi P, Patacchini R, Renzetti AR & Maggi CA MEN 11420 is a potent antagonist at the naive and transfected human tachykinin NK<sub>2</sub> receptor
- 75P Teh M-T & Sugden D GR128107 is a partial melatonin receptor agonist on *Xenopus laevis* melanophores
- 76P Parker CA, Nutt DJ & Hudson AL [<sup>3</sup>H]clonidine binding sites in rat kidney: a model for putative central imidazoline-1 sites
- 77P Teschemacher A, Hancox LC, Seward E & Witchel E Imipramine at clinically relevant concentrations blocks heterologously expressed HERG, a K<sup>+</sup> channel responsible for "Long QT Syndrome"
- 78P Ridley DL & Wonnacott S Modulation of  $\alpha_7$ -containing nicotinic receptor expression in SH-SY5Y cells and primary hippocampal cultures
- 79P Sharples CGV & Wonnacott S Protein synthesis dependence of nicotine mediated upregulation of nicotinic acetylcholine receptors in the M10 cell line
- 80P Hayhurst GP, Ellis SW, Lennard MS & Tucker GT Evidence that phenylalanine 481 is a substrate-contact residue in the active site of cytochrome P450 2D6
- 81P O'Connor N, Page D, Martin F, Rogers M & O'Boyle KM Actions of dopamine and A68930 on BHK cells co-transfected with D<sub>1</sub> and D<sub>2</sub> receptors
- 82P Bridgland-Taylor MH, Dale IL, Alexander PD, Tucker E, Midha A, Randall VA, Sullivan E & Pollard CE Validation of a high throughput screen to detect potential modulators of Ca<sup>2+</sup>-release-activated Ca<sup>2+</sup> channels in Jurkat T-cells
- 83P Arkle S, Hanahoe A & Shum CMC Effects of KN-62, Ro-31-8220, Mn<sup>2+</sup>, Ni<sup>2+</sup> and Co<sup>2+</sup> on ATP<sup>4-</sup>-stimulated responses in rat parotid salivary glands *in vitro*
- 84P Dimova NG & Dryden WF Protein kinase activities in rat brain following exposure to antidepressant drugs of different classes
- 85P Presland JP, Davidson J, McDonnell JA & Hill SJ Insulin-induced modulation of agonist action at the human adenosine A<sub>1</sub> receptor in CHO cells expressing both insulin and human adenosine A<sub>1</sub> receptors
- 86P Hubbard PD & Lummis SCR Zn<sup>2+</sup> modulation of the 5-HT<sub>3</sub> receptor
- 87P[ Zaini Asmawi M, Gardner NM & Broadley KJ Effects of PDE inhibition on *in vitro* desensitization of tracheal  $\beta$ -adrenoceptor function
- 88P Walker SD, Edwards G & Weston AH. Functional significance of I<sub>K(N)</sub> in rat pulmonary artery.
- 89P Birrell M, Haddad E-B, McCluskie K, Hele D, Phipps S, Webber SE, Foster M & Belvisi MG Effect of the P38 kinase inhibitor, SB 203580, in a model of airway inflammation
- 90P Lal H, Williams KI & Woodward B Cardiac reactivity to endothelin-1 (ET-1) and U46619 is differentially altered in isolated perfused hearts from chronically-hypoxic (CH) rats
- 91P Gardiner SM, Kemp PA, March JE & Bennett T Recombinant human, but not murine, leptin causes hindquarters vasoconstriction in conscious rats.
- 92P Gardiner SM, Kemp PA, March JE & Bennett T Effects of recombinant human insulin-like growth factor-1 (rhIGF-1) on regional haemodynamics in conscious rats
- 93P Ishak S, Bennett T & Gardiner SM No role for angiotensin II (AII) or endothelin (ET) in the pressor response induced by nitric oxide synthase (NOS) inhibition in vasopressin-deficient, hypertensive (DI/H) rats
- 94P Stanford SJ & Mitchell JA ATP-induced vasodilatation in the rat isolated mesenteric bed exhibits two apparent phases
- 95P Darker IT, Millns PJ, Selbie L, Randall MD, S-Baxter G & Kendall DA Cannabinoid (CB<sub>1</sub>) receptor expression is associated with mesenteric resistance vessels but not thoracic aorta in the rat
- 96P Harris D, Kendall DA & Randall MD Characterization of cannabinoid receptors mediating EDHF responses in the rat isolated mesentery
- 97P Grieve DJ, Avella MA, Botham KM & Elliott J Evidence that endothelium-derived nitric oxide production is increased following oral propylthiouracil treatment in the rat
- 98P Duckworth N, Marshall K, Senior J & Clayton JK A preliminary study of the TP-receptor population along the length of the human isolated umbilical artery
- 99P Hinton JM, Plane F & Garland CJ Detection of mRNA for 5-HT<sub>1B</sub> and 5-HT<sub>1D</sub> receptors in porcine coronary arteries by *in situ* RT-PCR
- 100P Bunton D, MacDonald A, Brown T & Shaw AM Receptor subtypes for 5-HT in bovine pulmonary conventional and supernumerary arteries
- 101P Freeman N, Emsley AM, Birkett S, Johnson JL & Jeremy JY Thapsigargin inhibits microangiogenesis in rat isolated aorta, *in vitro*
- 102P Islam MZ, Williams BC, Madhavan KK, Hayes PC & Hadoke PWF V<sub>1</sub>-receptors mediate the contractile response to arginine vasopressin in hepatic arteries from patients with and without cirrhosis
- 103P Hamilton LC, Jimenez C & Warner TD Heme oxygenase-1 induction has no significant effect on the vascular reactivity of rat aortic rings
- 104P Hughes P, Richardson AG & Smith JW The effect of external acidosis on the action of calcium entry blockers in rat aorta

- 105P **Chambers CJ, Emsley AM, Taberner PV & Plane F** Interaction of hypoglycaemic imidazolines with K<sub>ATP</sub>-channel-mediated relaxation in rat aorta
- 106P **Edwards G, Gardener MJ, Walker SD & Weston AH** Comparison of effects of 1-EBIO and NS1619 on K<sup>+</sup> currents in vascular smooth muscle and endothelial cells
- 107P **Hadoke PWF, Kotelevtsev Y, Williams BC, Mullins JJ & Walker BR** Selective attenuation of adrenoceptor-mediated contraction by endothelium-derived nitric oxide in isolated mouse aortae
- 108P **Wyatt MC, Emsley AM, Jeremy JY, Sorenson JRJ & Plane F** Low molecular mass complexes of transition metals inhibit vasoconstriction in rat isolated aortic rings
- 109P **Oliveira L & Crankshaw DJ** Excitatory effects of isoprostanes in the human umbilical artery *in vitro*
- 110P **Oliveira L, Stallwood N & Crankshaw DJ** An investigation into the downturn in response to 8-isoprostaglandin E<sub>2</sub> in human umbilical artery *in vitro*
- 111P **Sampson LJ, Plane F, Campbell WB & Garland CJ** Pathways for arachidonic acid-evoked relaxation in the rabbit isolated femoral artery
- 112P **Cuzzocrea S, De Sarro GB, Costantino G, De Sarro A & Caputi AP** Interleukin-6 knock out mice exhibit a resistance to splanchnic artery occlusion shock
- 113P **Chatterjee PK & Thiernemann C** The poly(ADP-ribose) synthetase inhibitor 3-aminobenzamide protects rat renal proximal tubular cells against oxidant stress-mediated cellular injury and death
- 114P **Laight DW, Desai KM, Gopaul NK, Änggård EE & Carrier MJ** Dietary vitamin E reduces oxidant stress and improves insulin action in the obese Zucker rat *in vivo*.
- 115P **Kengatharan M, Foll F, Pettersson K, Andrews TJ, Wägberg M, Änggård EE & Carrier MJ** Reduction in plasma levels of 8-epi-prostaglandin F<sub>2</sub> $\alpha$  and reversal of endothelial dysfunction by vitamin E in the Watanabe heritable hyperlipidaemic rabbit
- 116P **Andrews TG, Laight DW, Änggård EE & Carrier MJ** Evidence for enhanced endothelial function in the obese Zucker rat which is reversible by dietary antioxidants
- 117P **Andrews TG, Laight DW, Änggård EE & Carrier MJ** Pharmacological action of insulin to inhibit endothelium-dependent vasodilation in the obese Zucker rat perfused hindlimb *in situ*
- 118P **Kaw AV, Gunnarsson PT, Laight DW, Änggård EE & Carrier MJ** Endothelial dysfunction following experimental oxidant stress in the rat *in vivo*.
- 119P **Gunnarsson PT, Laight DW, Änggård EE & Carrier MJ** Elevated plasma total antioxidant status in the obese Zucker rat assessed by a physiological microassay.
- 120P **Bertelsen M, Andersson MB, Änggård EE & Carrier MJ** Role of reactive oxygen species on trans-endothelial insulin transport
- 121P **de Souza PM, Flower RJ & Goulding NJ** Characterisation of glucocorticoid-induced p155 expression by human monocytes
- 122P **Panesar MS, Gentry CT, Urban L, Walker K & Fox A** A model of persistent, inflammation-induced mechanical hyperalgesia in the mouse
- 123P **Jones H, Paul W & Page CP** Poly-L-lysine (PLL)-induced neutrophil (PMN) accumulation and plasma exudation (PE) in rabbit skin: role of sulphation in inhibitory action of heparin
- 124P **McLoughlin CM & Moore PK** Effect of 7-nitroindazole and related indazoles on inducible nitric oxide synthase *in vitro* and *in vivo*
- 125P **Ferreira HHA, de Luca IMS, Costa E, Medeiros MV, Zanardo RCO, Martins AR, Antunes E & de Nucci G** The effect of N<sup>ω</sup>-nitro-L-arginine methyl ester on the number of bone marrow eosinophils and expression of NO synthase isoforms in rat bone marrow eosinophils
- 126P **McEuen AR, Buckley MG, Compton SJ & Walls AF** Detection and preliminary characterisation of a unique protein constituent of basophil secretory granules.
- 127P **Harding DP, Collier PA, Huckle RM, Gristwood R & Spridgen E** Cardiotoxic effects of levobupivacaine, bupivacaine and ropivacaine: an *in vitro* study in guinea-pig and human cardiac muscle
- 128P **Fraser S, Gillard NP & Sheridan RD** Effects of the antileukemic agent, amsacrine, on the cardiac action potential recorded in sheep isolated Purkinje fibres
- 129P **Edmunds NJ & Woodward B** Actions of ceramide on insulin-stimulated glycogen synthesis in the isolated perfused rat heart
- 130P **Olbrich A, Zacharowski K & Thiernemann C** The EP<sub>3</sub>-receptor agonists M&B 28767 and GR 63799X reduce the cell injury and death caused by hydrogen peroxide in rat cardiomyoblasts
- 131P **Bowes J, Perrett D & Thiernemann C** The effect of PARS inhibitors on changes in NAD and high energy phosphates caused by myocardial ischaemia and reperfusion in the rabbit
- 132P **Bowes J, Ruetten H, Martorana PA, Stockhausen H & Thiernemann C** The PARS inhibitor 3-aminobenzamide reduces infarct size in a pig model of myocardial ischaemia and reperfusion
- 133P **Zacharowski K, McDonald MC, Bowes J, Olbrich A & Thiernemann C** The stable nitroxide radical Tempol reduces the infarct size caused by regional myocardial ischaemia and reperfusion in the anaesthetised rat
- 134P **Leach M, Olbrich A & Thiernemann C** The stable nitroxide radical Tempol attenuates the multiple organ dysfunction caused by endotoxin in the rat