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


3P Callado LF & Stamford JA The δ9 adrenoceptor controlling noradrenaline release in the rat locus coeruleus is of the α2A 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-RYYRWKHN2H and the antagonist [Phe(tBu)=Gly]10ociceptin(1-13)N2H2 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-HT2B receptors causes renal sympathoexcitation in anaesthetized rats

9P Andersson DA, Zygmunt PM & Högestatt ED Pharmacological evidence for the involvement of IKCa and SKCa in EDHF-mediated relaxation of the rat hepatic artery


11P Lai 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 ETB 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 α1-adrenoceptor subtypes in human penile tissue

14P Teixeira CE, Antunes E & de Nucci G The effects of α- and β-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 β-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 Ca2+ indicators

22P Cardy TJA & Taylor CW Ca2+-independent inhibition of type I inositol trisphosphate receptors by calmodulin

23P Davis RJ, Challiss RAJ & Nahorski SR Antagonism of receptor-mediated Ins(1,4,5)P3-induced Ca2+ signalling by the partial agonist 3F-Ins(1)(P4)(5)F2

24P Akam EC, Nahorski SR & Challiss RAJ Analysis of M1, M2, M3, M4 – muscarinic cholinoreceptor – G protein coupling using [35S]-GTPγS and Gα-specific immunoprecipitation

25P Wylie PG, Challiss RAJ & Blank JL Comparative study of extracellular signal regulated protein kinase (ERK) and c-Jun NH2-terminal kinase (JNK) in CHO cells expressing M2- and M3-muscarinic receptors

26P Halliwell RF, Thomas P, Smart TG, Martinez-Torres A & Miledi R Subunit selective modulation of GABA receptors by the NSAID mephenamic acid

27P Alexander SPH Binding of the antagonist radioligand [3H]-ZM241385 to A2A adenosine receptors in rat brain homogenates

28P Smart D, Langmead C & McKnight AT Inhibition by PD165929, a BB2, antagonist of desensitisation at the human BB2 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 N6-nitro-L-arginine methyl ester

31P Bleas 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-xB 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
POSTER COMMUNICATIONS

38P Cahir M, Konkel MJ, Durkin MM, Wetzel JM, Branchek TA & Craig DA. Autoradiographic distribution of the 5HT1D adrenoceptor in the rat CNS.


41P Yeung SY, Millar JA, Boyd DE, Jones G, Gittos MW & Mathie A. Block of neuronal K_v potassium currents by fluoxetine and imiprindle.

42P Thomas P, Halliwell R, James CH & Smart TG. Modulation of GABA_A receptors by memafenic acid: Involvement of asparagine 290 in the second transmembrane domain of the β2 subunit.

43P Chadha A & Duty S. Alterations in GABA_A α1, β2 and γ receptor subunit gene expression in the globus pallidus in the 6-hydroxydopamine (6-OHDA) lesioned rat model of Parkinson's disease.


45P Thomas LS, Jane DE & Croucher MJ. Glutamate autoreceptors of the mGlu5 subtype enhance neuronal glutamate release in the rat forebrain in vitro.

46P Attwell PJ, 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 interneurones 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 5HT release in trigemino-cervical complex after superior sagittal sinus stimulation in the anaesthetized cat.


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.


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-HT7 receptor mRNA with GAD67-like immunoreactivity in rat brain neurones.

56P Barton CL, Jay MT & Hutson PH. 5-HT1A receptor binding in vivo using [3H]-MPPF, a selective 5-HT1A receptor ligand.

57P Roberts C, Boyd DE, Price GW, Medlemms DN & Routledge C. 5HT1A receptor antagonism or uptake inhibition enhances the effects of 5-HT1B/1D auto-receptor blockade on extracellular 5-HT in guinea-pig forebrain.


59P Hawcock AB, Bictash M, Lightbown I, Trevethick M & Gale J. Is Kojic amine a GABA_A 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 5HT1A 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-HT2C receptor antagonists, but not a 5-HT2A or 5-HT2B receptor antagonist, attenuate haloperidol-induced catalepsy in rat.


67P Cheer JF, Kendall DA & Marsden CA. In vivo evidence for oleamide as a potential endo-cannabinoid ligand.
86P Hubbard PD & Lummis SCR Zn\textsuperscript{2+} modulation of the 5-HT\textsubscript{3} 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 \( \text{IKr} \) 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 (AI) 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, Mills PJ, Selbie L, Randall MD, S-Baxter G & Kendall DA Cannabinoid (CB\textsubscript{1}) 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 propyl-thiourea 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\textsubscript{1B} and 5-HT\textsubscript{1D} 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, Birckett 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\textsubscript{1}-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 KATP-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+ 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 aorta

108P Wyatt MC, Emsley AM, Jeremy JV, Sorenson JRJ & Plane F Low molecular mass complexes of transition metals inhibit vasoconstriction in rat isolated aortic rings

109P Oliveira L & Crankshaw DJ Excitative 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 E2 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 splanchic artery occlusion shock

113P Chatterjee PK & Thiemermann 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, Ånggård EE & Carrier MJ Dietary vitamin E reduces oxidant stress and improves insulin action in the obese Zucker rat in vivo

115P Kengatharan M, Foll E, Pettersson K, Andrews TJ, Wågberg M, Ånggård EE & Carrier MJ Reduction in plasma levels of 8-epi-prostaglandin F2α and reversal of endothelial dysfunction by vitamin E in the Watenabe heritable hyperlipidaemic rabbit

116P Andrews TG, Laight DW, Ånggård EE & Carrier MJ Evidence for enhanced endothelial function in the obese Zucker rat which is reversible by dietary antioxidants

117P Andrews TG, Laight DW, Ånggård 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, Ånggård EE & Carrier MJ Endothelial dysfunction following experimental oxidant stress in the rat in vivo

119P Gunnarsson PT, Laight DW, Ånggård EE & Carrier MJ Elevated plasma total antioxidant status in the obese Zucker rat assessed by a physiological microassay.

120P Bertelsen M, Andersson MB, Ånggård 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 Nω-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 & Thiemermann C The EP2-receptor agonists M&B 28767 and GR 63799X reduce the cell injury and death caused by hydrogen peroxide in rat cardiomyocytes

131P Bowes J, Perrett D & Thiemermann 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 & Thiemermann 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 & Thiemermann 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 & Thiemermann C The stable nitroxide radical Tempol attenuates the multiple organ dysfunction caused by endotoxin in the rat