

ORAL COMMUNICATIONS

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

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- 2P **Dent G, Magnussen H & Rabe KF** Effects of a protein kinase C inhibitor, bisindolylmaleimide I, on respiratory burst responses to platelet activating factor and phorbol ester in human eosinophils
- 3P **Cummins M, Naughton Y & Ryan MP** Direct cytotoxicity of interferon α -2b on the LLC-PK1 renal cell line
- 4P **McDonald-Gibson WJ, Cuthbert NJ, Poll CT & Gardiner PJ** Dexamethasone and cyclosporin A inhibit cytokine release from human T-lymphocytes
- 5P **Miotla JM, Teixeira M, Jeffery PK & Hellewell PG** Suppression of acute lung injury in the mouse by the phosphodiesterase IV inhibitor, rolipram
- 6P **Hughes B, Holbrook M, Allen R, Owens R, Perry M, Warrellow G, Howat D, Bloxham D & Higgs G** Suppression of antigen-induced airway responses and bronchial hyperresponsiveness by CDP840, a novel stereo-selective inhibitor of phosphodiesterase type IV
- 7P **Cicala C, Iuvone T, Bucci MR & Cirino G** Cell accumulation, TNF- α and nitrite production in a rat model of LPS-induced pleurisy
- 8P **Corkill DJ, Woolley K, Guard S, Wright A, Galloway WA, Thomas SW, Askew M, Beckett P, Davis MH, Miller K, Stabler G, Gearing A & Wood LM** The effect of a novel inhibitor of tumour necrosis factor α (TNF α) processing, BB-1101, in experimental autoimmune encephalomyelitis
- 9P **McCourt M, Brotherton D, Comer MB, Cribbes S, Czaplowski L, Edwards RM, Harper C, Hunter MG, Wright E & Wood LM** BB10010, a demultimerised variant of LD 78, produces a rapid increase in circulating white blood cells and cells with bone marrow repopulating ability
- 10P **Cackett KS, Comer MB, Gladwell S, Dawson KM & Wood LM** Thrombolytic activity of thrombin-activatable plasminogen in the anaesthetised rabbit
- 11P **MacDermot J, Allport JR, Rendell NB, Murray S, Lo G, Taylor GW & Donnelly LE** Mono(ADP-ribosyl) transferase activity in human neutrophils: a possible role in chemotaxis
- 12P **Jones RL, Qian YM, Tam SFF, Chan KM & Ho JKS** Slowly developing block of the neuronal stimulant actions of cicaprost by BMV 45778
- 13P **Stichtenoth DO, Selve N, Tsikas D & Frölich JC** Total body prostacyclin synthesis is enhanced in adjuvant arthritic rats
- 14P **Garrett NE, Kidd BL, Cruwys SC & Tomlinson DR** The effect of capsaicin on substance P expression in rats with chronic arthritis
- 15P **Suitters AJ, Shaw S, Bodmer M & Foulkes R** Steroid sulphatase is a regulatory enzyme in contact sensitisation in mice
- 16P **Hoult JRS & Pang L** Prostaglandin overproduction in drug-induced cytolysis of macrophages without COX-2 induction
- 17P **Pang L & Hoult JRS** Activation of COX-2 by endogenously formed nitric oxide in J774 macrophages stimulated by lipopolysaccharide and interferon- γ : comparison with exogenous NO from donors SNAP and SNP
- 18P **Kajeka R, Gupta P, Shepperson NB & Brain SD** Inhibition of neurogenic oedema by CP-122,288 is stereospecific and is sensitive to the 5-HT_{1D} antagonist GR127,935
- 19P **Pearce D & Keen M** The effect of cycloheximide on IP prostanoid receptor down-regulation in NG108-15 cells
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- 21P **Wyatt M, Feniuk W & Humphrey PPA** Somatostatin sst₂ receptors mediate inhibition of dimaprit- and isobutyl methylxanthine-induced acid secretion in rat isolated gastric mucosa
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- 23P **Pinnock RD, Suman-Chauhan N, Hall M, Webdale L, Franks R, Chilvers H, McKnight AT, Daum P, Woodruff GN, Collins G & Jordan R** Characterisation of the [Ca²⁺]_i and acidification response to bombesin in CHO cells expressing the human NMB-receptor
- 24P **Rees SA, Paternostro G, Yoshida A, Twist VW, Radda GK, Heath JK & Powell T** Basic fibroblast growth factor decreases the guinea-pig cardiac delayed rectifier potassium current
- 25P **Takahashi H & Terrar DA** Effects of thiopentone on ATP-sensitive potassium currents in guinea-pig isolated ventricular myocytes
- 26P **Heath B & Terrar DA** Influence of E4031 on the deactivation of delayed rectifier potassium currents in guinea-pig isolated ventricular myocytes
- 27P **Gardiner SM, Kemp PA, March JE, Fallgren B & Bennett T** Effects of glibenclamide on resting haemodynamics and on responses to vasodilators in conscious rats
- 28P **Holland M, Langton PD, Standen NB & Boyle JP** Effects of an activator of large-conductance calcium activated potassium channels (NS1619) on ion channels in isolated cerebral arterial myocytes
- 29P **Wickenden AD, Brooks R, Kelly E, Poucher SM, Russell K & Kumar P** The effects of the potassium channel opener ZM260384 on ischaemic skeletal muscle function in the anaesthetised cat
- 30P **Prior HM, Beech DJ & Yates MS** Inhibition by ouabain of K⁺-induced dilation in the rabbit pressurised renal arcuate artery *in vitro*

- 31P **Gordienko DV, Tare M, Parveen S, Fenech C, Robinson C & Bolton TB** Identification of voltage-activated proton currents in human eosinophils
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- 33P **Watson WP, Robinson E & Little HJ** Gabapentin reduces signs of anxiety-related behaviour measured on the elevated plus maze during withdrawal from chronic ethanol treatment
- 34P **Russell FD & Davenport AP** Characterisation of endothelin receptors in the human pulmonary vasculature using bosentan, SB209670 and 97-139
- 35P **Smith RM, Williams KI & Woodward B** Evidence for endothelin involvement in hypoxic vasoconstriction in the rat isolated perfused lung
- 36P **Sanders L, Lynham JA & Kaumann AJ** Chronic β -blocker treatment sensitises the histamine H_2 and H_1 receptor systems in human atrium: role of cyclic nucleotides
- 37P **Beattie DT, Connor HE, Hawcock AB, Perren MJ & Ward P** Pharmacology of GR203040, a potent and selective non-peptide tachykinin NK_1 receptor antagonist
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- 39P **Kaumann A, Lynham J & Brown AM** [¹²⁵I]-SB 207710 labels small 5-HT₄ receptor populations in porcine and human atrium
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- 41P **Harding SE, Davia K, Davies CH, Drake-Holland AJ, Hynd JW, Noble MI, O'Gara P & Ravens U** Contraction characteristics of ventricular cardiomyocytes from dogs with pacing-induced heart failure
- 42P **Miller AL, Warren K & Langton PD** Ro31-8220 inhibits dihydropyridine-sensitive isometric force and whole cell Ba^{2+} current in rat isolated basilar artery
- 43P **Keen M** Regulation of β -adrenoceptor and L-type calcium channel number in rat heart
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- 45P **Otter DJ & Chess-Williams R** Discordant effects of two structurally different aldose reductase inhibitors on vascular function in control and diabetic rats
- 46P **Coutts AA, Fernando SR, Griffin G, Nash JE & Pertwee RG** Evidence that guinea-pig small intestine contains CB1 cannabinoid receptors and possibly also a cannabinoid receptor ligand
- 47P **Healy E, Egan DA & Ryan MP** Cyclosporin A nephrotoxicity in established renal cell lines: the role of the immunophilin cyclophilin A
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- 51P **King BF, Pintor J, Wang S, Ziganshin AU, Ziganshina LE & Burnstock G** A novel P_1 purinoceptor activates an outward K^+ current in folliculated oocytes of *Xenopus laevis*
- 52P **Ziganshin AU, Ziganshina LE, King BF & Burnstock G** Degradation of ATP and ADP by ecto-enzymes in folliculated oocytes of *Xenopus laevis*
- 53P **Ralevic V & Burnstock G** Characterization of P_2 -purinoceptors in the isolated mesenteric arterial bed of the Golden hamster
- 54P **Robertson SJ, Rowan ER & Kennedy C** Characterisation of the electrophysiological actions of P_2 -purinoceptor agonists in cultured neurones in the rat dorsal root ganglia
- 55P **McLaren GJ, Sneddon P & Kennedy C** Comparison of the electrophysiological actions of ATP and UTP in single dissociated cells of the rat tail artery
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- 58P **Pintor J, Hoyle CHV, Puche JA, Abal M, Gualix J & Miras-Portugal MT** Diadenosine polyphosphates evoke calcium signals in guinea-pig brain synaptosomes via receptors distinct from those for ATP
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- 60P **Djamgoz MBA, Cunningham JR, Hutson PH, Murray F & Neal MJ** Nitric oxide donors inhibit release of endogenous dopamine in the rabbit retina
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- 64P **Widdowson PS, Gyte A, Moore RB, Dunn DS, Farnworth M, Wyatt I, Simpson MG & Lock EA** Evidence that L-2-chloropropionic acid-induced neurotoxicity is mediated by nitric oxide generation
- 65P **Hynes CL, Wood EG & Warner TD** Stretch of cultured bovine aortic endothelial cells increases the production of nitric oxide and so reduces stimulated platelet adhesion

- 66P **Kengatharan M, de Kimpe SJ, Smith D, Thiemermann C & Vane JR** Polyclonal antibodies against TNF- α and IL-1 β prevent the circulatory failure elicited by lipoteichoic acid in anaesthetised rats
- 67P **Matthews JS, Keen M & Key BJ** The effect of nitro-vasodilator drugs on the cAMP response to isoprenaline in cultured smooth muscle cells
- 68P **Ahluwalia A & Vallance PJ** Interaction between sympathetic and sensory nerves in rat small arteries
- 69P **Ruetten H, Wu C-C, Thiemermann C & Vane JR** The multiple organ failure syndrome (MOFS) caused by endotoxin in the rat: attenuation of liver dysfunction by inhibitors of nitric oxide synthase
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- 75P **Parry KP, Boehrer A, Mathivet P, Bernasconi R, Vergnes M, Marescaux C & Bowerly NG** Intrathalamic pertussis toxin decreases the duration of spike wave discharges and GABA_B receptor binding in rats with spontaneous generalised nonconvulsive epilepsy
- 76P **Hajós M & Sharp T** Antidromic activation of burst-firing dorsal raphe neurones by stimulation of the medial forebrain bundle
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- 78P **Pearce RKB, Zeng B-Y, Jenner P & Marsden CD** Altered striatal preproenkephalin mRNA levels in normal macaque monkeys (*Macaca fascicularis*) with dyskinesias induced by chronic L-DOPA administration
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- 80P **Challiss RAJ, Mistry R, Adams D & Nicholson CD** Muscarinic cholinergic-stimulated inositol 1,4,5-trisphosphate generation and phasic contraction are inhibited by phosphodiesterase III/IV inhibition in airways smooth muscle
- 81P **Lintern MC, Smith ME & Ferry CB** The effect of repeated treatment with pyridostigmine on the activity of acetylcholinesterase molecular forms in mouse skeletal muscle
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POSTER COMMUNICATIONS

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- 84P **Ajuebor MN, Brain SD & Cambridge H** The mechanism of 6-hydroxydopamine (6-OHDA)-induced plasma extravasation in rat skin
- 85P **Shaw S, Woodger R, Sutters AJ, Bodmer M & Foulkes R** Steroid sulphatase regulates cellular infiltration, but not oedema, in contact sensitisation in mice
- 86P **Thompson SWN, Dray A & Urban L** Leukaemia inhibitory factor (LIF) induces mechanical allodynia but not thermal hyperalgesia in the rat
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- 98P **Toner CC & Stamford JA** Striatal dopamine release in an *in vitro* model of cerebral ischaemia: 2. Effect of glucose supply during hypoxia
- 99P **McNaught KStP, Jenner P, Testa B, Carotti A & Marsden CD** Cytotoxicity of isoquinoline derivatives towards PC12 cells
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- 113P **Grimwood S, Gilbert E, Myers J, Le Bourdellès B, Cockett W, Ragan CI, Whiting PJ & Hutson PH** Characterisation of stably expressed recombinant human N-methyl-D-aspartate receptors using a $^{45}\text{Ca}^{2+}$ -influx assay
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- 133P **Lione L, Hudson AL, Nutt DJ, Rogers DC & Hunter AJ** BU224, a high affinity selective I₂ imidazoline site ligand: a behavioural study in models of spatial learning and memory
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- 139P **Croning MDR, Zetterström TSC & Newberry NR** Actions of adenosine receptor antagonists on the rise in [K⁺]_o induced by combined oxygen and glucose deprivation in the rat hippocampus *in vitro*
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- 167P **Wilson DA & Woodward B** The effects of potassium channel blockers on the rat isolated perfused heart
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- 174P **McCulloch AI & Randall MD** Modulation of vaso-relaxation to potassium channel openers by basal nitric oxide in the isolated perfused rat superior mesenteric arterial bed
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- 178P **Borman RA & Burleigh DE** Tetrodotoxin does not inhibit the short-circuit current response of human ileal mucosa to cholera toxin
- 179P **Cox HM, Tough IR & Beck-Sickinger AG** l-Alanine scan of neuropeptide Y: effects of Ala-analogues upon electrogenic ion transport in rat jejunum mucosa
- 180P **Procter MJ, Scott CM & Gale JD** The effect of deoxycholic acid on the hypotensive response to colorectal distension in the anaesthetised rat
- 181P **Allen MJ, Scott AC & Spraggs CF** Effect of hypoxia and hypoxic preconditioning on barrier function of isolated rat colonic mucosa
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- 184P **Mian KB & Martin W** 3-Amino-1,2,4-triazole selectively inhibits relaxation by hydroxylamine and sodium azide but not hydrogen peroxide in rat aorta
- 185P **Lo S, Lot TY & Wilson VG** Evidence against a role for superoxide anions in N^{G} -nitro-L-arginine methyl ester-induced contractions of the porcine isolated splenic artery
- 186P **Blaylock NA, Kendall DA, Wright IK & Wilson VG** Evidence for α_2 -adrenoceptor-mediated inhibition of forskolin-stimulated cyclic AMP in the porcine isolated thoracic aorta
- 187P **Bridgewater M, Ujvary G & Cunnane TC** Relationship between electrical and mechanical activity in the guinea-pig isolated taenia caeci
- 188P **Lo S, Lot TY, Hind R & Wilson VG** N^{G} -nitro-L-arginine methyl ester can elicit endothelium-independent contractions in the porcine isolated coronary artery
- 189P **Polley JS, Clark KL & Drew GM** Influence of indomethacin and N^{G} -nitro-L-arginine methyl ester (L-NAME) on the renal effects of angiotensin II
- 190P **McCulloch KM, Baird M & MacLean MR** Endothelium-dependent relaxation, nitric oxide and vascular tone in control and chronic hypoxic rat pulmonary arteries
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- 204P **Croci T, Cecchi R, Guzzi U, Landi M, Mennini T, Le Fur G & Manara L** The novel β_3 -adrenoceptor agonists SR 59119A and SR 59104A are stereospecifically antagonised by SR 59230A
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- 210P **Martin DP & Pendleton A** β_3 -Adrenoceptor agonist activity in rat isolated adipocytes is influenced by adenosine deaminase
- 211P **Beech DJ** Inhibition by D609 of histamine receptor coupling to Ca channels in smooth muscle cells isolated from guinea-pig ileum
- 212P **Ahmad M, Ahmadi M, Smith HJ & Nicholls PJ** Effect of some substituted azoles on the *in vitro* metabolism of retinoic acid
- 213P **Blanks A, McAulay JA & Sneddon JM** The effect of cisplatin and/or probenecid on the G401, a human renal cell line
- 214P **Laouar L, Lowe KC & Mulligan BJ** Surfactant potentiation of the anti-bacterial action of ampicillin and chlorhexidine
- 215P **Oxley K, Stanhope KJ, Shepherd JK, Cronin S & Dourish CT** Absence of an anxiolytic effect of the 5-HT_{2C/2B} antagonist SB200646A in the conditioned emotional response model of anxiety in the rat
- 216P **Forster EA & Fletcher A** Repeated administration of a selective 5-HT uptake inhibitor downregulates 5-HT_{2C} but not 5-HT_{1A} receptor-mediated behaviour in the rat
- 217P **Bill DJ, Forster EA, Grewal SS & Fletcher A** Functional antagonistic and anxiolytic effects of the 5-HT_{2C/2B} receptor antagonist, SB-200646A, in rodents
- 218P **Bridson SJ, Leslie RA & Elliott JM** Desensitisation of the transfected human 5-HT_{2C} receptor is accompanied by a decreased affinity of the receptor for [³H]5-HT
- 219P **McCreary AC & Handley SL** 5-HT_{2A} but not 5-HT_{2C} or 5-HT_{2B} receptors may modulate blinking induced by the TRH analogue MK771
- 220P **McQuade R, Cowen PJ & Sharp T** *In vivo* evidence that d-fenfluramine releases 5-HT from nerve terminals of both the dorsal and median raphe nuclei
- 221P **Davis B & Reynolds GP** 5-HT stimulates dopamine release from rat frontal cortex
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- 223P **Brazell MP & Dourish CT** The 5-HT_{1A} receptor antagonist WAY-100635 selectively increases DA synthesis rate in the rat pre-frontal cortex
- 224P **Hallett I, Oxley K, Middlefell VC & Dourish CT** Effects of the 5-HT_{1A} receptor agonist, 8-OH-DPAT, and restraint stress on blood pressure and heart rate in the conscious rat
- 225P **Hallett I, Potter JA, Middlefell VC & Dourish CT** Effects of the 5-HT_{1A} receptor agonist, 8-OH-DPAT, and social isolation on blood pressure and heart rate measured by radiotelemetry in the conscious rat
- 226P **Hartley JE, Brown G, Stanhope K, Fletcher A & Dourish CT** Hyperphagia induced by the NMDA receptor antagonists, MK-801 and CGS 19755, in the rat is blocked by the selective 5-HT_{1A} receptor antagonist, WAY-100635
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- 228P **Elliott JM, Farrington L, Clement EM, Phipps SL & Grahame-Smith DG** Effect of chronic administration of quinine and quinidine on 5-HT turnover and 5-HT_{2A} receptor number in rat frontal cortex
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- 234P **Stowe RL & Barnes NM** Further characterisation of the 5-HT₄ receptor modulating dopamine release from rat striatal slices
- 235P **Eglen RM, Bonhaus D, Clark RD, Daniels S, Leung E, Wong EHF & Fontana DJ** Effects of a selective and potent 5-HT₄ receptor agonist, RS-67333, and antagonist, RS-67532, in a rodent model of spatial learning and memory
- 236P **Hughes ZA & Stanford SC** Lack of effect of a lesion of cortical noradrenergic neurones on inhibition of synaptosomal [³H]noradrenaline uptake by 5-HT uptake inhibitors *ex vivo*
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- 238P **Crespi F, Trist DG, Ratti E, Corsi M, England T & Gaviraghi G** Cholecystokinin-A receptor antagonism selectively reduces spontaneous preference for ethanol in naive rats

- 239P **Costanza RM & Ebenezer IS** The suppressant effect of atropine on food intake in rats is attenuated by pretreatment with the CCK_A receptor antagonist devazepide
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- 243P **Ge J & Barnes NM** Elevation in the levels of AT₂ receptors in the temporal cortex (Brodmann area 21) of patients with Alzheimer's disease
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- 265P **Au BT, Danjou P, Larkin S & Rhodes KF** The effects in the rat of the 5-HT₃ receptor antagonist, WAY-SEC-579, on increased microvascular blood flow induced by intradermal injection of 5-hydroxytryptamine
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- 273P **Collins GGS, Dewhurst DG & Bailey B** The pharmacology of 5-HT: an interactive, computer-based tutorial program for undergraduate students

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