

ORAL COMMUNICATIONS

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

- 1P **Parry RV, Westwick J & Ward SG** Phorbol ester treatment inhibits phosphoinositide 3-kinase activation by, and association with, the T cell molecule CD28
- 2P **Whittley KL, Ward SG, Kolios G, Westwick J** Interleukin-13 inhibits nitric oxide synthase induction by the activation of phosphatidylinositol-3-kinase in HT-29 cells
- 3P **Hey C, Cebulla G, Stichnote C, Wessler I & Racké K** Differential control of L-arginine uptake, arginase and nitric oxide synthase in rabbit alveolar macrophages (AMs)
- 4P **Mistry R, Carruthers AM, Nahorski SR & Challiss RAJ** Agonist-independent increases in inositol 1,4,5-trisphosphate following pertussis toxin treatment of baby hamster kidney cells expressing recombinant type 1 α metabotropic glutamate receptors
- 5P **Patel S, O'Beirne G & Taylor CW** Ca²⁺-independent calmodulin binding to purified inositol 1,4,5-trisphosphate (InsP₃) receptors inhibits InsP₃ binding
- 6P **Akam EC, Challiss RAJ & Nahorski SR** Inverse agonist activity of atropine at human M₂ and M₄ muscarinic acetylcholine receptors revealed by [³⁵S]-GTP γ S binding
- 7P **Selbie LA, King NV, Dickenson JM & Hill SJ** Role of G-protein $\beta\gamma$ subunits in the augmentation by neuropeptide Y-Y1 receptors of ATP-mediated increases in arachidonic acid release from CHO-K1 cells
- 8P **Alexander SPH, Boyd EA, Loh V & Kendall DA** Second messenger responses of the rigid glutamate analogues (RS)-DHPG and (RS)-DHBAP in guinea-pig cerebral cortex slices
- 9P **Diamond J & MacDonell KL** Cyclic GMP-dependent protein kinase activity does not correlate with negative inotropy in rat cardiomyocytes
- 10P **Belham CM, Scott PH, Tate RJ, Wadsworth RM & Plevin R** Proteinase-activated receptor-2-dependent activation of mitogen-activated protein kinases in rat aortic smooth muscle cells
- 11P **Williams AJ, Michel AD, Feniuk W & Humphrey PPA** The human recombinant somatostatin sst₅ receptor couples to pertussis toxin-sensitive and -insensitive G proteins
- 12P **Matthews JS & O'Neill LAJ** The effect of MAPKK inhibitor PD98059, the p38MAPK inhibitor SB203580 and the small G protein Rac 1 on interleukin 1 signal transduction in T lymphocytes
- 13P **Dwivedi A, Carrier MJ & Änggård EE** Regulation of TNF α -mediated expression of ICAM-1 and VCAM-1 in EA.hy 926 cells
- 14P **McKay GD & Dainty IA** Classification of P₂-purinoceptors on cystic fibrosis sub mucosal epithelial (CFSME) cells
- 15P **Macedo PM & Lutt WW** Modulation of vasoconstriction in the hepatic circulation by nitric oxide
- 16P **Macedo PM & Lutt WW** Shear-induced modulation of vasoconstriction in the hepatic circulation by nitric oxide
- 17P **Wigmore S, Plane F, Angelini GD & Jeremy JY** The role of copper in mediating nitric oxide and prostacyclin synthesis in the rat aorta
- 18P **Kengatharan M, Robson C, Foster SJ & Thiemermann C** Lipoteichoic acid from *S. aureus*, but not from *B. subtilis*, synergises with *B. subtilis* peptidoglycan to cause hyporeactivity to nor-adrenaline and organ injury in rats
- 19P **Ruetten H, Smith D, Thiemermann C & Vane JR** Effects of polyclonal antibodies against TNF α or IL-1 β on the multiple organ failure syndrome elicited by endotoxin in the anaesthetised rat
- 20P **Gardiner SM, Kemp PA, March JE & Bennett T** Enhanced haemodynamic effects of SB 209670 and losartan in conscious, endotoxaemic rats
- 21P **Chokkukannan J, Wainwright CL & Zeitlin IJ** Effect of the ET_A receptor antagonist BQ123 on infarct size and endothelin release in isolated perfused rabbit hearts
- 22P **Callingham BA, White R, Scarlett JA & Brown G** Seasonal differences in the actions of vasoactive agents on segments of digital arteries of the fallow deer
- 23P **Bailey SR & Elliott J** 5-HT₁-like receptors mediating vasoconstriction in equine digital blood vessels: evidence for different receptor subtypes
- 24P **Hill PB & Garland CJ** Tyrosine kinase inhibitors reduce the contractile response of the rabbit isolated renal artery to 5-HT
- 25P **Intengan HD & Smyth DD** Identification of a novel function for the α_{2a} -adrenoceptor subtype in the rat kidney: mediation of osmolar clearance
- 26P **Forster C & Le Tran Y** Do α_{1B} -adrenoceptors play a role in the exaggerated vascular response to α -agonists in experimental heart failure?
- 27P **Stam WB, Van der Graaf PH & Saxena PR** The α_1 -adrenoceptors mediating contraction of rat small mesenteric artery are different from those mediating pressor responses in rat perfused mesentery
- 28P **Chess-Williams R, Couldwell C, Jackson AJ, O'Brien HL, Aston N & Johnson DR** WB4101 discriminates between subtypes of α_1 -adrenoceptor with a low affinity for prazosin
- 29P **Banerji T, Pearce RKB, Tresedar S, Jackson M, Jenner P & Marsden CD** Effects of central and peripheral cholinergic drugs on locomotor activity and L-DOPA-induced dyskinesia in MPTP-treated common marmosets (*Callithrix jacchus*)
- 30P **Patel Smita, Patel Shil, Marwood R, Fletcher AE, Kulagowski J, Ragan CI, Leeson PD & Freedman SB** L-745,870 (3-[[4-(4-chloro-phenyl)piperazin-1-yl]methyl]-1H-pyrrolo[2,3-b]pyridine): a high affinity and selective dopamine D4 receptor antagonist

- 31P Cadogan AK, Boyd EA, Alexander SPH & Kendall DA Influence of cannabinoids on dopamine release and cAMP generation in the rat striatum
- 32P Yeo A, Henderson G SH-SY5Y cells express sst₂ somatostatin receptors
- 33P Rose S, Silva MT, Hindmarsh JG, Wong C-K, Jenner P & Marsden CD Inhibition of nitric oxide synthase potentiates NMDA-evoked dopamine release in rat striatum both *in vitro* and *in vivo*
- 34P Jones MW, McClean M & Headley PM Do differing levels of the voltage dependence of NMDA open channel-blockers affect their *in vivo* actions on spinal neurones in anaesthetised rats?
- 35P Paterson SJ & McKnight AT Characterisation of the binding of [³H]-nociceptin in the guinea-pig
- 36P Nicholson JR, Paterson SJ & McKnight AT Characterisation of the response in the rat vas deferens to the ORL₁ agonist nociceptin
- 37P Abdulla FA & Smith PA Increased excitability of damaged rat sensory neurones involves altered coupling between calcium channels and adrenoceptors
- 38P Dalley JW, Parker CA, Hudson AL & Nutt DJ Synergistic suppression of extracellular nor-adrenaline content in the rat forebrain by sodium pentobarbitone and α_2 -adrenoceptor agonists
- 39P Hudson AL, Bunday R, Nutt DJ & Tyacke RJ The identification of putative imidazoline₂ binding sites in frog brain
- 40P Fryer AD & Jacoby DB Primary cultures of parasympathetic nerves from guinea-pig trachea contain functional M₂ muscarinic receptors
- 41P Jacoby DB, Lee NH & Fryer AD Viral infection of cultured airway parasympathetic nerves increases acetylcholine release and decreases m₂ muscarinic receptor expression
- 42P Patel H, Giembycz MA, Keeling JEA, Barnes PJ & Belvisi MG Role of large-conductance calcium-activated potassium channels in the regulation of acetylcholine release by pre-junctional M₂-muscarinic receptors
- 43P Belmonte KE, Jacoby DB & Fryer AD Increased function of neuronal M₂ muscarinic receptors in diabetic rat lungs is associated with increased agonist affinity
- 44P Fryer AD, Costello RW & Bochner BS Monoclonal antibody to very late activation antigen-4 protects the neuronal M₂ muscarinic receptors from antigen challenge in the guinea-pig
- 45P Newgreen DT & Naylor AM Characterisation of functional muscarinic receptors in human bladder
- 46P Saunders MA, Belvisi MG, Corden MB, Fox AJ, Evans TW, Barnes PJ & Mitchell JA Exacerbation of the release of prostaglandin E₂ by bradykinin after COX-2 induction in human airway epithelial cells
- 47P White A-M, Westwick J, Smith AW Yoshimura T & Watson ML Guinea-pig tumour necrosis factor-induced airway inflammation: inhibition by interleukin-13
- 48P Watson ML, Grix SP, Jordan NJ, Place GA, Dodd S, Leithead J, Poll CT & Westwick J IL-8 production by human cultured airway smooth muscle
- 49P Almeida AF & Guidotti TL Sulphide-induced apnoea: peripheral or central mechanism and its prevention
- 50P Campbell EM, Watson ML, Proudfoot AEI Wells TNC, Yoshimura T & Westwick J Guinea-pig RANTES activates human, but not guinea-pig, eosinophils
- 51P Turner SJ, Ward SG & Westwick J Monocyte chemotactic peptide-1: signalling studies in THP-1 cells
- 52P Teixeira MM, Williams TJ & Hellewell PG Recruitment of eosinophils by chemokines and other chemoattractants in an *in vivo* mouse model
- 53P Walsh DT, Yagalloff KA, Williams TJ & Nourshargh S The role of LTB₄ and LTD₄ in substance P-induced eosinophil accumulation in guinea-pig skin as determined by novel and specific antagonists
- 54P Foster AP & Cunningham FM Substance P induces equine eosinophil superoxide anion generation via NK₁ receptor activation
- 55P Bennett GS & Brain SD Nerve growth factor induces an immediate and also a late phase of oedema formation in rat skin
- 56P Ridger VC & Brain SD Peroxynitrite induces plasma extravasation in rat dorsal skin
- 57P Ajuebor MN, Flower RJ & Perretti M Strict relationship between MCP-1 and monocyte recruitment in the mouse peritoneal cavity
- 58P Das A, Flower RJ & Perretti M Modulation of allergen-induced mouse eosinophil migration by dexamethasone in a novel model
- 59P Tailor A, Flower RJ & Perretti M Intercellular adhesion molecule-1 (ICAM-1) expression on rat monocytes and macrophages is controlled by dexamethasone
- 60P Euzger HS, Perretti M, Flower RJ & Goulding NJ The lipocortin-1 binding site on human monocytes is sensitive to proteolytic enzymes
- 61P Christian HC, Goulding NJ, Kahan M, Wang H, Morris JF, Flower RJ & Buckingham JC Detection of lipocortin 1 (LC1) and LC1 binding sites in the rat anterior pituitary gland by fluorescent activated cell analysis/sorting (FACS)
- 62P Kengatharan M, De Kimpe SJ, Foster SJ & Thiemermann C Importance of lipoteichoic acid and peptidoglycan in the induction of nitric oxide synthase in murine macrophages by Gram-positive organisms
- 63P Holt RA, Bateson AN & Martin IL The effect of chronic diazepam or zolpidem treatment on the levels of GABA_A receptor subunit mRNAs in rat cortex
- 64P Arnot MI, Bateson AN & Martin IL Effects of diazepam on GABA_A receptor subunit mRNA levels: drug delivery via osmotic minipumps
- 65P Woodall KL, Domeney AM & Kelly ME The effect of social competition and exposure to an open field on plasma corticosterone levels in the rat
- 66P Hand K, Bowery NG, Van Paesschen W & Duncan J Central benzodiazepine receptor autoradiography in human resected epileptic temporal lobe: changes in receptor density and affinity

- 67P **Evans RH** The depressant actions of carbamazepine, lamotrigine and phenytoin on the rat spinal cord *in vitro*
- 68P **Hartell NA** The intracellular mechanisms underlying parallel fibre-induced, heterosynaptic long-term depression in the cerebellum
- 69P **Chesnoy-Marchais D** Modulation of chloride responses to glycine by 5-HT₃ receptor ligands
- 70P **Davidson C & Stamford JA** Effects of chronic paroxetine on 5-HT_{1A} autoreceptors controlling dorsal raphe cell firing and 5-HT release
- 71P **Watson WP, Malone N & Little HJ** Prolonged ethanol intake alters the effects of repeated administration of nicotine on locomotor activity
- 72P **Forster C, Le Tran YL, Harding S & Grupp LA** Blood pressure and vascular endothelial response in alcohol-preferring rats
- 73P **Otley CE, Richardson PJ & Hiley CR** Adenosine receptors in the left anterior descending coronary artery of the rat
- 74P **Wilson DA & Woodward B** Acidosis-induced coronary constriction in the isolated rat heart is specifically attenuated by L-type calcium channel blockers
- 75P **Sitsapesan R & Williams AJ** Suramin modifies the conductance and gating of ryanodine receptor channels
- 76P **Zygmunt PM, Petersson J, Weston AH & Högestätt ED** Effects of ciclazindol on EDHF-mediated relaxations in the rat hepatic and guinea-pig basilar arteries
- 77P **Bishop-Bailey D, Larkin SW, Williams TJ & Mitchell JA** Roles of nitric oxide and COX-metabolites in proliferation of rat aortic segments in organ culture
- 78P **George SJ, Jeremy JY & Angelini GD** Thapsigargin inhibits smooth muscle cell proliferation and intima formation but not metalloproteinase expression in human saphenous vein organ culture
- 79P **Plane F, Hurrell A & Garland CJ** Evidence for the involvement of potassium channels in the relaxation of rat isolated mesenteric arteries to the NO donor SIN-1
- 80P **Walker SD, Edwards G, Green ME & Weston AH** Characterisation of potassium currents in rat pulmonary arterial smooth muscle cells
- 81P **Freeman D, Ozcay N, Zhong R, Grant D, Garcia B & Fryer J** Prevention of small bowel allograft rejection with cyclosporine and budesonide, a locally acting glucocorticoid
- 82P **McMurdo L, Lockhart JC & Ferrell WR** Modulation of rat synovial blood flow by the CGRP receptor antagonist, CGRP (8-37)
- 83P **Davis CL & Burgess GM** Dibutyryl cAMP increases responsiveness to a B₁ bradykinin receptor agonist in primary cultures of rat urinary bladder smooth muscle cells
- 84P **Jeremy J, Ballard SA, Naylor AM, Miller MAW & Angelini GD** The effects of sildenafil, an inhibitor of type 5 cGMP phosphodiesterase, on cGMP and cAMP levels in rabbit corpus cavernosum, *in vitro*

POSTER COMMUNICATIONS

- 85P **Van der Graaf PH** Exposure of negative correlation between the operational affinity and efficacy of noradrenaline at α_1 -adrenoceptors in the rat small mesenteric artery
- 86P **Van der Graaf PH** Development and application of a graphical test to detect receptor distribution from non-rectangular agonist concentration-effect curves
- 87P **Earle ML, Li XF & Triggle CR** Activation of spontaneous transient outward currents (STOCs) by phenylephrine in vascular smooth muscle from the rat tail artery
- 88P **López-Miranda V, Puerro M, Ortega A & Alexandre MA** Alpha-pressor responses in pithed rats fed on a low-calcium diet
- 89P **Gavin KT & Docherty JR** Investigations of post-junctional α_2 -adrenoceptor subtypes mediating vascular responses
- 90P **Stam WB, Van der Graaf PH & Saxena PR** Characterisation of the receptors mediating the contraction of rat isolated small mesenteric artery to arginine vasopressin and oxytocin
- 91P **Bretherton N, Smith JW & Wilson KA** The effect of eicosapentaenoic acid upon contractures of rat isolated aortic rings pre-treated with α -adrenoceptor antagonists
- 92P **Smith KM, Macmillan JB & McGrath JC** Investigation of α_1 -adrenoceptor subtypes in rabbit cutaneous arteries
- 93P **Blaylock NA, Allfree JM, Kendall DA, Wright IK & Wilson VG** Preliminary evidence for the α_{1B} - and α_{2A} -adrenoceptor binding sites on the porcine isolated thoracic aorta
- 94P **Horsberg TE, Burka JF & Tasker RAR** Sedative effects and pharmacokinetics of medetomidine and atipamezole in rainbow trout (*Onchorhynchus mykiss*)
- 95P **Coker SJ & Batey AJ** Mefloquine, an anti-malarial drug: effects on the contractile function and effective refractory period of guinea-pig isolated cardiac muscle preparations
- 96P **Bose R, Guia A & Bose D** Mechanism of positive inotropy by phenamil in canine ventricular muscle: possible indirect effect on the Na⁺-Ca²⁺ exchanger
- 97P **Clément-Chomienne O, Aiello EA, Walsh MP & Cole WC** Diacylglycerol analogue and angiotensin II activation of PKC decreases delayed rectifier K⁺ current in rabbit portal vein
- 98P **Waldron GJ, Dong H, Cole WC & Triggle CR** Effect of K⁺ channel blockers and inhibitors of cytochrome P450 on endothelium-dependent relaxation of rabbit carotid artery

- 99P **Howlett SE & Mapplebeck C** Contractions initiated by the cardiac voltage sensitive release mechanism are selectively depressed in myocytes from young cardiomyopathic hamsters
- 100P **Pang CCY, Lim SL & Palacios B** Endothelin-1 on arterial and venous resistances in anaesthetized rats
- 101P **Cook DA, Gergawy M & Vollrath B** Aminoglycoside antibiotics reverse the effects of oxyhaemoglobin in cerebrovascular smooth muscle
- 102P **Petersson J, Hanson GC, Lindberg BF & Högestätt E** Contractile effect of big endothelin-1 in rabbit cerebral arteries
- 103P **Pierre LN & Davenport AP** Vasoconstrictor endothelin receptors in human small coronary arteries *in vitro*
- 104P **Pipenzadeh MH, Kirkpatrick JJR & Naylor I** Silicone-induced granulation tissue: the contractile effectiveness of angiotensin and mepyramine
- 105P **Welsh NJ, Shankley NP & Black JW** Analysis of complexity in the potentiating interaction between angiotensin II and B-HT 933 in rabbit saphenous vein
- 106P **Gardiner SM, March JE, Kemp PA & Bennett T** Influence of captopril and losartan on the haemodynamic responses to endotoxaemia in conscious rats
- 107P **Tarpey SH, Bennett T & Gardiner SM** Dissociation of changes in pressor and constrictor effects of angiotensin II and of vasopressin in conscious, endotoxaemic rats
- 108P **Tarpey SB & Randall MD** Vascular activities of angiotensin II and vasopressin in isolated perfused mesenteric arterial beds from endotoxaemic rats
- 109P **Parsons AA, Parker SG, Raval P, Campbell CA, Hunter AJ, Hamilton TC & King FD** Comparison of the cardiovascular effects of SB 209509 (VML 251) and sumatriptan in dogs
- 110P **Brown AM, Parsons AA, Raval P, Porter R, Tilford NS, Gager TL, Price GW, Wood MD, Kaumann AJ, Young RA, Rana K, Warrington BH & King FD** SB 209509 (VML 251), a potent constrictor of rabbit basilar artery with high affinity and selectivity for human 5-HT_{1D} receptors
- 111P **Raval P, Tilford NS, Smith SJ, Porter R, King FD, Kaumann AJ, Hunter AJ & Parsons AA** A comparison of the agonist profile of SB 209509 (VML 251) and sumatriptan in human isolated basilar and coronary arteries
- 112P **Shaw D, Stanton JA, Beer MS, Sternfeld F, Street L, Hill RG, Cooke E & Longmore J** *In vitro* assessment of the vascular effects of 5-HT_{1D}-receptor agonists: relationships with 5-HT_{1Dα} - or 5-HT_{1Dβ}-receptor binding affinity
- 113P **Ting KN, Scalbert E, Delagrangé P & Wilson VG** The effect of melatonin against agonist-induced and neurogenic contractions of tail arteries from juvenile Wistar rats
- 114P **McLarnon J, Xu L, Abraham S & Walker MJA** Mixed block of K⁺ and Na⁺ currents by KC8851, a structural analogue of tedisamil: *in vitro* and *in vivo* studies
- 115P **Barrett TD, Abraham S, Hayes ES, Yong SL, Walker ML & Walker MJA** Atypical dose response curves for antiarrhythmic drugs
- 116P **Barrett TD & Walker MJA** Glibenclamide possesses transient, ischaemia selective class III antiarrhythmic actions but does not prevent ischaemic arrhythmias
- 117P **Yong SL, Abraham S, Pugsley MK, Hayes ES, Zolotoy AB & Walker MJA** SAR evidence that antiarrhythmic activity is unrelated to opioid kappa agonist activity
- 118P **Walker ML, Abraham S, Yong SL, Zolotoy A, Barrett TD & Walker MJA** Increased electrophysiological activity in raised K⁺ and low pH improves antiarrhythmic efficacy for a group of morpholinocyclohexyl derivatives
- 119P **Yong SL, Abraham S, Walker M & Walker MJA** RSD1000: A novel antiarrhythmic agent with an improved therapeutic index
- 120P **Beatch GN** Antihistamine-induced ventricular arrhythmias
- 121P **Batey AJ, Lambert JP, Edwards G & Coker SJ** The effects of halofantrine on haemodynamics and ECG intervals in the anaesthetized guinea-pig
- 122P **Lightbown ID, Batey AJ & Coker SJ** Effects of halofantrine on the effective refractory period in guinea-pig isolated cardiac tissues
- 123P **McGuire JJ & Bennett BM** An autoradiographic study of [¹²⁵I]-diphenyleneiodonium sulfate labelling of rat aortic proteins involved in the biotransformation of glyceryl trinitrate
- 124P **Ratz JD & Bennett BM** Enantioselective inhibition of the biotransformation and pharmacological actions of isodide dinitrate by diphenyleneiodonium sulfate
- 125P **Tatchum Talom R & McNeill JR** Nitric oxide (NO) does not mediate the withdrawal-induced antihypertensive effect of vasopressin (AVP) in spontaneously hypertensive rats (SHR)
- 126P **Fouyas IP, Kelly PAT, Ritchie IM & Whittle IR** The effects of 3-morpholinodisynonimine upon local cerebral blood flow in normotensive and spontaneously hypertensive rats
- 127P **Aleixandre MA, López-Miranda V, Puerro M & Ortega A** Alpha-pressor responses in pithed rats after the inhibition of nitric oxide synthesis
- 128P **Laight DW, Kaw AV, Carrier MJ & Änggård EE** Regulation of endogenous nitric oxide vasodilator function by insulin *in vitro*
- 129P **Laight DW, Konneh M, Carrier MJ & Änggård EE** Vasorelaxation to the novel phosphodiesterase type V inhibitor, ONO-1505, in the carotid artery of the cholesterol-fed rabbit
- 130P **Laight DW, Carrier MJ & Änggård EE** Characterisation of vasorelaxation to the novel phosphodiesterase type V inhibitor, ONO-1505, in the rat isolated aorta
- 131P **Cheung C, Collier J & MacAllister RJ** Effects of Cu⁺ chelation or glutathione on nitroso-glutathione-induced relaxation of rat aorta

- 132P **Mehta D, Jeremy JY, Izzat MB, Bryan AJ & Angelini GD** Prostacyclin, nitric oxide and cyclic nucleotide synthesis in stented and unstented porcine vein grafts
- 133P **Milnes J, Sandeman F, Barrett D, Birkett S, Johnson JL, Angelini GD & Jeremy JY** Effect of *in vitro* angioplasty on vascular defence mechanisms in rat cultured aortae
- 134P **Greenlees C, Wainwright CL & Wadsworth RM** L-Arginine administration reduces balloon angioplasty-induced intimal hyperplasia in the Froxfield Heritable Hyperlipidaemic rabbit
- 135P **McCulloch AI & Randall MD** The modulation of EDHF activity by nitric oxide in the rat isolated superior mesenteric arterial bed
- 136P **Konneh M, Stewart-Lee A, Laight DW, Carrier MJ & Änggård EE** Restoration of normal endothelial function *in vivo* in cholesterol-fed rabbits by the novel phosphodiesterase V inhibitor, ONO 1505
- 137P **Quine LA, Carrier MJ & Änggård EE** Use of SIN-1 to analyse interactions between nitric oxide and superoxide
- 138P **Rutherford C, Martin W, Carrier MJ, Ferns GAA & Änggård EE** Almost complete inhibition of the neo-intimal response to balloon catheter injury in the rat carotid by a combination of antibodies to PDGF-BB and bFGF
- 139P **Omawari N, Dewhurst M, Vo P & Tomlinson DR** Effects of ONO-1505, a novel phosphodiesterase type V and thromboxane synthase inhibitor, on reduced nerve blood flow and conduction velocity in diabetic rats
- 140P **Cai F, Jiang ZY & Tomlinson DR** Altered COX-1 mRNA levels in nerve, aorta, kidney and retina of STZ-diabetic rats: effects of evening primrose oil (EPO) or an aldose reductase inhibitor
- 141P **Palacios B & Pang CCY** Haemodynamic effects of 17 α -ethynylestradiol on endotoxaemic rats
- 142P **Hartley DE, Stafford G, Zaman Z & Forsling ML** Does the renal responsiveness to vasopressin change during pregnancy and lactation in the rat?
- 143P **Zhang T & Johns EJ** Influence of rilmenidine on reflex activation of the renal sympathetic nerves in anaesthetised Wistar rats
- 144P **Zhang T & Johns EJ** The action of rilmenidine on somatosensory-induced renal sympathoexcitation in anaesthetised hypertensive rats
- 145P **Goralski KB, Smyth DD & Sitar DS** Evaluation of bicarbonate effects on the renal clearance of amantadine and kynurenic acid in the uninephrectomized rat
- 146P **Russell FD & Davenport AP** Binding of [¹²⁵I]-AB-MECA to low affinity sites in human kidney
- 147P **Tabrizchi R** Effects of the selective adenosine A₂ agonist, CGS 21680, on venous tone
- 148P **Randall MD** Enhanced cardiac preconditioning in isolated perfused hearts from transgenic ((mREN-2)27) hypertensive rats
- 149P **Emerson M, Page CP & Paul W** Effect of a dopamine (D1) agonist upon platelet accumulation in the rabbit
- 150P **Chong LK, Cooper E, Vardey CJ & Peachell PT** Effect of salmeterol on mediator release from human lung mast cells
- 151P **Wilson DA & Woodward B** Species variation in the responses of rat, guinea-pig and pig coronary vessels to metabolic acidosis
- 152P **Hughes DA & Coker SJ** Effects of diazepam on chloroquine intoxicated, anaesthetized rats
- 153P **Cooper EJ, Richardson AG, Smith JW & Wilson KA** The effect of eicosapentaenoic acid and docosa-hexaenoic acid on contractures of rat aorta
- 154P **Yew SF & Woodward B** Effects of prostaglandin F_{2 α} on contractility in the rat isolated heart and calcium transients in the cardiac myocyte
- 155P **Choice E, Meloche M & Madden TD** Liposomal cyclosporine: biodistribution in the rat heart transplant model
- 156P **Gascoigne MH, Nesbitt AM, Foulkes R & Ward PS** A novel method for the quantification of tumour necrosis factor and lymphotoxin in collagen-induced arthritis
- 157P **Handy RLC & Moore PK** The nitric oxide synthase inhibitor, 7-nitro indazole, inhibits carrageenan-induced hindpaw oedema in the rat
- 158P **Meja K, Seldon PM, Barnes PJ & Giembycz MA** Characterisation of the prostanoid receptors that mediate inhibition of lipopolysaccharide-induced tumour necrosis factor- α generation from human monocytes
- 159P **Seldon PM, Barnes PJ & Giembycz MA** The inhibitory effect of cyclic AMP-elevating drugs on LPS-induced TNF α generation from human monocytes is not mediated by IL-10
- 160P **Getting SJ, Flower RJ & Perretti M** Dexamethasone inhibits monocyte recruitment during acute inflammation via endogenous lipocortin 1
- 161P **Klapproth H, Racké K & Wessler I** Cellular mechanisms controlling GM-CSF release from cultured human airway epithelial cells
- 162P **Abdulla FA, Colmers WF & Smith PA** Axotomy increases the response of rat sensory neurones to Y₂ agonists
- 163P **Kurennyi DE, Chen H & Smith PA** M-current potentiation by low muscarine concentrations in bullfrog sympathetic ganglia
- 164P **Tennigkeit F, Schwarz DWF & Puil E** Intrinsic membrane properties determine firing patterns of neurons in the rat auditory thalamus
- 165P **Ryan JS, Tao Q-P, Jollimore CAB & Kelly MEM** Adrenergic modulation of calcium-activated potassium current in rabbit pigmented ciliary epithelial cells
- 166P **Smith JCE, Wyatt I, Gyte AJ, Upton R, Pitts MR, Moore RB & Widdowson PS** Possible interactions of L-2-chloropropionic acid with voltage-sensitive calcium channels in the rat cerebellum
- 167P **Mistry DK & Garland CJ** Large conductance but not apamin-sensitive K⁺ channels in smooth muscle cells isolated from the rabbit mesenteric artery

- 168P Hope PJ, Patmore L & Sheridan RD Sciatic nerve constriction in rats induces up-regulation of Na⁺ currents in ipsilateral L_{4,5} dorsal root ganglion (DRG) neuronal somata
- 169P Williams BA, Dickenson DR, Baird DF & Beatch GN Actions of terikalant on the kinetics of shortening of action potential duration following a rapid and sustained increase in pacing rate
- 170P Smith AB, Cunnane TC On the nature of the calcium channels controlling noradrenaline release in the rat isolated anococcygeus muscle: an electropharmacological study
- 171P Hill MP & Brothie JM Multiple calcium channel sub-types are involved in glutamate release from rodent and primate striatal synaptosomes: modulation by κ -opioid receptor activation
- 172P Prior C & El Mallah AI Effects of the vecuronium analogue, Org-9643, on the quantal release of acetylcholine from rat motor nerve terminals
- 173P Tian L, Prior C, Dempster J & Marshall JG Stimulation frequency-dependent effects of (-)-vesamicol on quantal release parameters at a rat neuromuscular junction
- 174P Soliakov L, Marshall DL, Redfern PH & Wonnacott S Tetrodotoxin-sensitivity of nicotine-evoked dopamine release from rat striatum
- 175P Khan S, Sandhu J, Whelpton R & Michael-Titus AT Substance P fragments, SP1-9 and SP6-11, modulate endogenous dopamine outflow in rat striatum
- 176P Patel J & Kruk ZL Biphasic inhibition of stimulated dopamine release by selective D₃ receptor agonists in slices of rat caudate putamen and nucleus accumbens
- 177P Irvani MM, Millar J & Kruk ZL Effects of local application of nitric oxide on dopamine release in sub-regions of the rat caudate putamen brain slices measured using fast cyclic voltammetry
- 178P Irvani MM, Millar J & Kruk ZL Simultaneous real-time detection of dopamine and a nitric oxide-like signal in rat caudate putamen slices following local electrical stimulation: the effects of 7-nitro indazole
- 179P Silva MT, Rose S, Jenner P & Marsden CD L-arginine-induced changes in DOPAC, HVCA and hydroxyl radical formation are NO-independent in the rat striatum *in vivo*
- 180P Segieth J, Pallotta M, Pearce BR & Whitton PS Regulation of hippocampal dopamine release by nitric oxide in the rat
- 181P Freitag A, Wessler I & Racké K Phosphodiesterase inhibitors suppress α_2 receptor-stimulated 5-HT release from neuroepithelial cells of tracheae of newborn rabbits
- 182P Pallotta M, Segieth J & Whitton PS N-methyl-D-aspartate receptors regulate 5-HT release in the raphe nuclei and terminal 5-HT release in frontal cortex
- 183P Spencer EL, Butler SA, Slater NA, Aspley S, Cheetham SC, Martin KF & Heal DJ Effect of the selective 5-HT_{1B/1D} receptor antagonist, GR127935, in combination with fluoxetine on rat brain 5-hydroxytryptophan levels
- 184P Tan MP, Fone KCF & Marsden CA Chronic paroxetine: effects on raphe serotonin turnover and *ex vivo* release in the rat
- 185P Toner CC & Stamford JA Effects of ω -agatoxin and ω -conotoxin GVIA on ischaemia-induced dopamine release *in vitro*
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