

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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|---|---|
| <p>1P Bowery NG, Whitehead KJ, Pangalos MN, Price GW, Amantea D, Princiville A, Richards DA, Bowery BJ & Pearce SM Inhibition of absence seizures in the genetic absence epilepsy rat from Strasbourg (GAERS) by thalamic administration of a GABA_{B1} antisense ligand</p> | <p>14P Solito E & Perretti M
Exogenous annexin 1 promotes human neutrophil apoptosis</p> |
| <p>2P Manning J-PA, Richards DA, Bowery NG
Ethosuximide has a powerful anti-absence action when bilaterally infused directly into the somatosensory cortex (S1) of the genetic absence epilepsy rat from Strasbourg (GAERS)</p> | <p>15P Cuzzocrea S, Dugo L, Serraino I, Genovese T, Di Paola R & Caputi AP Role of interleukin-10 in acute and chronic inflammation</p> |
| <p>3P Boothman LJ, Allers KA, Rasmussen K, & Sharp T Evidence that 5-HT₂ receptor agonist-induced inhibition of 5-HT cell firing is mediated by central and not peripheral 5-HT₂ receptors</p> | <p>16P Wiley KE & Davenport AP
Detection of CRF₂ receptors in the human heart using [¹²⁵I]-antisauvagine 30</p> |
| <p>4P Read KE, Sanger GJ, & Ramage AG
Evidence that central 5-HT₇ receptors are involved in the control of micturition in urethane anaesthetized rats</p> | <p>17P Lewis CJ, Koch WJ, Brown MJ & Harding SE
Adenovirally-overexpressed beta 1- and beta 2-adrenoceptors enhance the contractile response to CGP 12177a in adult rat cardiomyocytes</p> |
| <p>5P Dover TJ, Monk SA, Barnes NM, & Hope AG
Phosphorylation of the human 5-HT_{7(b)} receptor</p> | <p>18P Gavins FNE, Gao JL, Murphy PM, Flower RJ & Perretti M An annexin 1 peptide reduces myocardial ischaemia reperfusion in the mouse</p> |
| <p>6P Aston JC & Elliott JM
PCPA modulates the expression of the immediate early gene Arc induced by MDMA in rat brain</p> | <p>19P Sand C, Peters SL, Pfaffendorf M & van Zwieten PA The influence of endogenously produced reactive oxygen species on the inotropic and chronotropic effects of adrenoceptor- and ET_A-receptor stimulation</p> |
| <p>7P Gray JJ, Jessop K & Taberner PV
Effect of acute and chronic nicotine on lipogenesis in mouse adipose tissue</p> | <p>20P Webb A, McLean P, Ahluwalia A, & Benjamin N
Inorganic nitrite: protector against ischaemia reperfusion injury in the heart?</p> |
| <p>8P Bakhle YS, Costello C & Bell C
Does anandamide increase microvascular permeability in rat paws by releasing endogenous Substance P?</p> | <p>21P D'Souza SP, Yellon DM & Baxter GF
Cardioprotective action of type-B natriuretic peptide is NO-dependent</p> |
| <p>9P Costa SKP & Brain SD
A role for NK₁ receptors in TNFα-induced neutrophil accumulation in mouse skin</p> | <p>22P Redfern WS, Carlsson L, Davis AS, Lynch WG, MacKenzie I, Palethorpe S, Siegl PKS, Strang I, Sullivan AT, Wallis R, Camm AJ & Hammond TG Relationships between preclinical cardiac electrophysiology data and torsadogenic risk for 50 drugs: evidence for a provisional safety margin in drug development</p> |
| <p>10P Keeble J & Brain SD
The contribution of plasma extravasation in a model of murine joint inflammation</p> | <p>23P Templeman L, Chapple CR, Hey D & Chess-Williams R Neurokinin-mediated potentiation of purinergic responses in the bladder of the pig</p> |
| <p>11P Brunelleschi S, Lavagno L, Spina S, Colangelo D & Viano I Anti-inflammatory drugs and rheumatoid arthritis: a role for TNF-ALPHA and NF-KB</p> | <p>24P Sellers DJ, Chapple CR, Hey D & Chess-Williams R Investigation of NKA responses in detrusor muscle from normal and neurogenic bladders</p> |
| <p>12P Getting SJ, Lam CW, Christian HC, Gavins FNE, Flower RJ, Schioth HB & Perretti M
Melanocortin agonists possess anti-inflammatory effects in mice with a non-functional MC1-R (recessive yellow e/e)</p> | <p>25P Gavioli EC, Marzola G, Bertorelli R, Zucchini S, De Lima TC, Rae GA, Guerrini R, Salvadori S, Regoli D & Calo G Blockade of nociceptin/</p> |
| <p>13P Yona S, Hannon R, Gao JL, Murphy PM,</p> | |

- orphanin FQ-NOP receptor signalling produces antidepressant-like effects: pharmacological and genetic evidence in the mouse forced swimming test
- 26P **McDonald J, Barnes TA, Williams J, Calo G, Rowbotham DJ & Lambert DG** Studies of [PHE¹Y(CH₂-NH)GLY²]N/OFQ(1-13)NH₂ at the recombinant human nociceptin receptor using the ecdysone inducible expression system
- 27P **Bolton S, Goadsby P, Parsons A & O'Shaughnessy C** Differences may exist in nociceptive processing in the trigeminal and spinal systems illustrated by the response to wind-up stimulation assessed in the anaesthetised rat
- 28P **Clayton NM, Collins SD, Pass M, Chessell IP & Bountra C** Anti-hyperalgesic and anti-inflammatory activity of a potent and selective adenosine A1 receptor agonist 5'-deoxy-5'-fluoro-N-(tetrahydro-pyran-4-yl)-adenosine
- 29P **Collins SD, Clayton NM, Sheehan MJ, Spalding DJ & Bountra C** The effect of transdermal application of a highly selective adenosine A1 receptor agonist in the carrageenan model of acute inflammatory hyperalgesia
- 30P **Crauwels HM, Van Hove CE, Holvoet P, Herman AG & Bult H** Plaque-related impairment of nitric oxide-induced relaxations in apolipoprotein E-deficient mice on a regular diet
- 31P **Belcher E, Evans TW, Sriskanda S & Mitchell JA** Staphylococcus aureus induces nitric oxide release in cardiovascular tissue via a Toll like receptor 2-independent pathway
- 32P **Belcher E, Evans TW, Sriskanda S & Mitchell JA** Escherichia coli induces nitric oxide release in cardiovascular tissue via a Toll like receptor 4-independent pathway
- 33P **Tom B, Schuijt MP, Saxena PR & Danser AHJ** No role for oxygen-derived free radicals in angiotensin II-mediated vasoconstriction of human coronary arteries
- 34P **Madhani M, MacAllister RJ & Hobbs AJ** Vascular natriuretic peptide receptors modulated by NO-cyclic gmp signalling
- 35P **Nedvetsky PI, Müller H & Schmidt HHHW** Hsp90 is required to stabilize the NO receptor soluble guanylyl cyclase
- 36P **de Saram K, Dunster C, Kelly FJ, McNeill KL, Ritter JM & Chowienczyk PJ** Vitamin C may modulate endothelium-dependent relaxation of rabbit aortic rings via direct intracellular interaction with nitric oxide
- 37P **Clarke ZL, Moat SJ, Randall MD, Miller AL, Lewis MJ & Lang D** Endothelial dysfunction in a murine model of mild hyperhomocysteinaemia: a role for EDHF?
- 38P **Chatterjee PK, Sivarajah A, Todorovic Z, Mota-Filipe H, Brown PAJ, Stewart KN & Thiernemann C** PPAR-γ agonists (rosiglitazone and ciglitazone) reduce renal dysfunction and injury caused by ischaemia/reperfusion of the rat kidney
- 39P **Cuzzocrea S, Dugo L, Di Paola R, Serraino I, Genovese T, Caputi AP, & Thiernemann C** Role of PPAR-γ ligand rosiglitazone on the development of carrageenan-induced lung
- 40P **Dugo L, Pisano B, Wayman N, Ianaro A, Mazzon E, Caputi AP, Thiernemann C & Cuzzocrea S** PPAR-γ ligands attenuate the development of intestinal ischemia/reperfusion
- 41P **Racké K, Lindemann D & Wenzel F** Role of oxidative stress in the regulation of iNOS and arginase in rat alveolar macrophages
- 42P **Jans DM, Martinet W, Kockx MM, Bult H, Herman AG & De Meyer GRY** Effect of non-steroidal anti-inflammatory drugs on macrophage activation following platelet phagocytosis
- 43P **Buckland KF, Williams TJ & Conroy DM** Histamine induces shape change and actin polymerisation in human eosinophils via the novel H₄ receptor
- 44P **Walters MJ & Mitchell JA** Cigarette smoke extract (CSE) stimulates human THP-1 monocytes directly and synergises with IL-1 b to release IL-8
- 45P **Trifilieff A & Fujitani Y** In vivo effects of SAR 943, a rapamycin analogue, in a murine model of airway inflammation and remodeling
- 46P **Wolber C & Fozard JR** Further definition of the mechanism of the contractile response to adenosine on lung parenchymal strips from actively sensitised, allergen challenged, Brown Norway rats
- 47P **Muzaffar S, Lobo C, Shukla N, Angelini GD & Jeremy JY** Iloprost inhibits U46619-induced superoxide formation and NADPH oxidase expression in cultured porcine pulmonary artery vascular smooth muscle cells
- 48P **Muzaffar S, Shukla N, Angelini GD & Jeremy JY** Nitroaspirins and SIN-1, but not aspirin, inhibit the expression of endotoxin- and cytokine-induced NADPH oxidase in vascular smooth muscle cells from pig pulmonary arteries
- 49P **Stanford SJ, Hislop AA, Haworth SG & Mitchell JA** Induction of heme oxygenase-1 in the porcine lung after birth

- 50P **Stanford SJ, San H, Nabel EG, Hislop AA, Haworth SG & Mitchell JA** Heme oxygenase-1 deficient mice do not appear to have pulmonary hypertension
- 51P **Stanford SJ, Walters MJ, Hislop AA, Haworth SG, Evans TW & Mitchell JA** Heme oxygenase is expressed in human pulmonary artery smooth muscle where carbon monoxide has an anti-proliferative role
- 52P **Arrigoni F, Vallance P, Haworth SG & Leiper J** Metabolism of asymmetric dimethylarginines is regulated in the lung developmentally and with pulmonary hypertension induced by hypobaric hypoxia
- 53P **Hellmann K, Williamson C & Sargent J** Effect of dexrazoxane on the cell cycle and intracellular ATP levels in K562 cells
- 54P **Osborne RH, Bright J, Prince RI & Purcell WM** Acetylcholine-induced contraction of the rat isolated ileum involves activation of L-type calcium channels and inositol trisphosphate receptors
- 55P **Argent CCH, Rainger GE & Wheatley M** Cell surface expression of oxytocin receptors on both contractile and secretory phenotypes of primary human umbilical and aortic vascular smooth muscle cells
- 56P **Edge G, Kelso EJ, Hennessy M, Siah WE, Beadnell G, McDermott BJ & Spiers JP** Matrix metalloproteinase activity (MMP) in aorta from spontaneously hypertensive heart failed rats: effect of chronic endothelin receptor antagonism
- 57P **Johnström P, Richards HK, Fryer TD, Barret O, Clark JC, Pickard JD, & Davenport AD** In vivo imaging of enzyme conversion of [¹⁸F]-Big ET-1 to [¹⁸F]-ET-1 and inhibition of enzyme activity using phosphoramidon - a positron emission tomography study
- 58P **Nap A, Balt JC, Mathy MJ, Pfaffendorf M & van Zwieten PA** Pre- and postjunctional inhibitory actions of the AT₁-receptor antagonists eprosartan and candesartan in the isolated rabbit thoracic aorta
- 59P **Streefkerk JO, Pfaffendorf M & van Zwieten PA** Vasopressin-induced facilitation of adrenergic responses in the rat mesenteric artery is V1-receptor dependent
- 60P **Bishop-Bailey D, Walsh D & Warner TD** Farnesoid X receptor (FXR) as a novel target in vascular smooth muscle cells
- 61P **de Groot AA, Peters SL, Mathy MJ & van Zwieten PA** The role of serotonergic and β -adrenergic receptors in nebivolol-induced vasorelaxation
- 62P **de Groot AA, Peters SL & van Zwieten PA** Impairment of endothelial function in the rat aorta after exposure to reactive oxygen species: protective effect of the β -blocker nebivolol
- 63P **Norel X, Walch L & Brink C** Arachidonic acid induced contractions in human pulmonary veins
- 64P **Achan V, Broadhead M, Malaki M, Whitley GSJ, Leiper J, MacAllister R & Vallance P** Haemodynamic effects and fate of asymmetric dimethylarginine in humans; insights into pathophysiology of the ADMA/DDAH pathway
- 65P **Nandi M, Miller A, Canevari L, Haworth G, Heales S & Vallance P** Tetrahydrobiopterin deficient mouse (HPH-1) displays pulmonary hypertensive phenotype
- 66P **Griesbacher T, Rainer I, Heinemann Á & Groisman D** Changes in blood flow in the rat pancreas during exocrine stimulation at submaximal and supramaximal levels
- 67P **Quilley J, Jiang H & Chen Y-J** Role of cyclooxygenase (COX)-2 in the enhanced renal vasoconstrictor effect of arachidonic acid (AA) in the diabetic rat
- 68P **Gardiner SM, Kemp PA, March JE & Bennett T** Effects of the cannabinoid (CB₁) receptor antagonist, AM 251, on the regional haemodynamic responses to lipopolysaccharide infusion in conscious Sprague-Dawley rats

DEMONSTRATIONS

- 69P **Jarrott B & Davis E** Student exercises that research social issues of pharmacological relevance
- 70P **Dewhurst DG & Overfield J & Cromar S** An interactive cal program to teach the principles of the laboratory determination of red blood cell indices and their use in the diagnosis of anaemias

POSTER COMMUNICATIONS

- 71P **Valentin F, Tippins JR & Field MC** Oxidative stress induces intracellular relocation of the thromboxane receptor in COS-7 cells
- 72P **Vovou I, Delitheos A & Tiligada E** Does ion trafficking contribute to survival under severe stress in the eukaryotic cell?

- 73P **Fitzgibbon H, Pype J, Peck MJ, Danhaive P, Dardenne B & Tilmant K** The use of nebulised cadmium chloride to develop animal models of chronic obstructive pulmonary disease (COPD)
- 74P **Patel HJ, Birrell MA, Crispino N, Hele DJ, Yacoub MH, Venkatesan P, Barnes PJ & Belvisi MG** The effect of a cannabinoid CB₂ agonist on activation of airway sensory nerves in vitro and the cough reflex
- 75P **Birrell MA, Patel HJ, McCluskie K, Wong S, Leonard T, Yacoub MH & Belvisi MG** Peroxisome proliferator-activated receptor gamma (PPAR γ) agonists: a possible therapy for chronic obstructive pulmonary disease (COPD)
- 76P **Paul-Clark MJ, Getting SJ, Roviezzo F, Del Soldato P, Flower RJ & Perretti M** Effects of a novel NO-releasing glucocorticoid (NCX-1015) in a rat model of gout
- 77P **Sepulveda MF, Goode NT & Cunningham FM** Effects of protein kinase C inhibitors on equine eosinophil adherence and superoxide production
- 78P **Fotheringham S, Connor H & Hall D** The effect of a number of inflammatory mediators on the human eosinophil shape change response
- 79P **Bonneau O, Ferreti S, Dubois G, Jones C & Trifilieff A** IL-17, produced by lymphocytes and neutrophils, is necessary for lipopolysaccharide-induced airway neutrophilia
- 80P **Eskandari N, Wickramasinghe T & Peachell PT** Effects of phosphodiesterase inhibitors on IL-4 and IL-13 generation from human basophils
- 81P **Marshall M & Moore PK** Effect of nitroparacetamol on IL-1 β and TNF- α production in lipopolysaccharide challenged human blood
- 82P **Tiligada E, Giannoulaki V & Pantos C** Hyperthyroidism induces conjunctival mast cell disruption without simultaneous modification of the early phase response to the histamine-releaser C48/80
- 83P **Wilson RJ & Volppe F** Agonist fingerprint of the recombinant human CRTH2 prostanoid receptor expressed in HEK293(T) cells
- 84P **Wilson RJ, Giblin G, Foord S, Swarbrick M, Walker A, Bamford M, Roomans S, Mason A, Miller N, Jones H, Shanahan S, Rasmussen S, Smith L, Spalding D, Ancliff R, Saez V, Frye S, Lewell X, Cartwright K, Rhodes S, Roberts N & Green R** GW627368X: A novel, potent and selective EP4 prostanoid receptor antagonist
- 85P **Chu DQ, Costa SKP, Cox HM & Brain SD** Effect of neuropeptide Y, Y1 and Y2 agonists on cutaneous microvascular responses
- 86P **Tam CW, Grant AD & Brain SD** The comparison of the microvascular activity of calcitonin gene-related peptide (CGRP) and other vasodilators in mouse skin
- 87P **Costa SKP, Docherty RJ, Hyslop S & Brain SD** Mechanisms involved in *Phoneutria nigriventer* spider venom-induced inflammatory responses in mouse skin: effect of a 5-HT₄ receptor antagonist
- 88P **Marshall D, Akhtar R, Cameron JD, Moore AR, Gozzard N & Foulkes R** Antibodies to the leukocyte integrin molecules α 4 and LFA-1 inhibit DSS-induced colitis in rats
- 89P **Coltman C, Prince RI, Purcell WM & Osborne RH** Contractile effects of the tachykinins ranakinin and ranatachykinin A on the rat isolated ileum preparation
- 90P **Hyland NP & Cox HM** Differential role of Y₁ and Y₂ receptors mediating neuropeptide Y's contribution to veratridine-induced ion transport across mouse colon
- 91P **Tough IR & Cox HM** Mucosal cholera toxin responses are partially and differentially mediated by 5-HT₄ and Y₄ receptors in the mouse descending colon
- 92P **Javid FA & Naylor RJ** To investigate the effect of 8-OHDPAT (5-HT_{1A/7} receptor agonist) on the proximal region of the *Suncus Murinus* intestine
- 93P **Sampaio-Maia B, Serrão P, Vieira-Coelho MA & Pestana M** Renal dopaminergic system activity in chronic renal failure
- 94P **Sivarajah A, Chatterjee PK, Todorovic Z, Mota-Filipe H, Brown PAJ, Stewart KN & Thiernemann C** Agonists of peroxisome proliferator activated receptor- α (clofibrate and WY14643) reduce ischaemia/reperfusion injury of the rat kidney
- 95P **Elkharaz JI & Sharma SC** The effect of ascorbic acid on arsenic induced release of N-acetyl- β -D glucosaminidase from rat kidney lysosomes in vitro
- 96P **Arhima MH & Sharma SC** Fluoride causes release of renal lysosomal N-acetyl-b-D glucosaminidase isozymes with biphasic effect on MDA levels in vitro
- 97P **Barker LD, Bictash M, Russell RJ & Van der Graaf PH** Evidence for a heterogeneous receptor population mediating contractile responses to oxytocin in rat uterus
- 98P **Stevens LA, Chapple C, Chess-Williams R** The role of ATP and adenosine in the inhibitory effects of the urothelium on detrusor muscle of the pig

- 99P **Knowles ID, King BK & Ramage AG**
Investigation of the effects of Phenol Red a P2X₁ and P2X₃ receptor antagonist on the micturition reflex in anaesthetized female rats
- 100P **Whitehead KJ, Pangalos MN, Price GW & Bowery NG** Comparison of diffusion of an 18-MER antisense molecule across three hollow fibre dialysis membrane types *in vitro*
- 101P **Reynolds GP, Meckin RJ & Zhang X**
The functional -759C/T polymorphism of the 5-HT_{2C} receptor gene is unrelated to [³H]mesulergine binding in human brain
- 102P **Williamson IJR, Turner L, Woods K, Wayman CP & Van Der Graaf P-H** The 5-HT_{1A} receptor antagonist robalzotan enhances SSRI-induced ejaculation delay in the rat
- 103P **Bell JK, Rees JL, Peoples C & McQueen DS**
Imetit induces scratching which is antagonised by thioperamide in BalbC mice
- 104P **Wyatt A, Webster LJ, Dourish CT, Kennett GA & Vickers SP** Sub-chronic administration of the CB₁ receptor antagonist, SR 141716, preferentially decreases body weight in obese (*fa/fa*) compared to lean Zucker rats
- 105P **Webster LJ, Kennett GA & Vickers SP**
Effect of the CB₁ receptor antagonist SR 141716 on food intake, body weight gain and the behavioural satiety sequence in obese (*fa/fa*) Zucker rats
- 106P **Idris NF, Large CH & Neill JC**
The anticonvulsant lamotrigine improves the selective impairment in reversal learning induced by PCP (phencyclidine) in the rat
- 107P **Bastlund JF, Helboe L & Watson WP**
Effect of levetiracetam on the decreased [¹⁴C] 2-deoxyglucose uptake that is seen in pentylenetetrazole kindled mice
- 108P **Beckett S, Jhaveri M, Mathews L, Bowden J, Finn D, Fone K, Chapman V & Marsden C**
Blockade of N-type calcium channels in the central nucleus of the amygdala attenuates conditioned but not unconditioned aversive behaviour in the rat
- 109P **Harper LK, Beckett SR, Marsden CA & Alexander SPH** The adenosine receptor antagonist CGS15943 elicits place preference in the lister hooded rat
- 110P **Patil PR & Marsden CA**
Chronic paroxetine treatment to young rats increases a conditioned emotional response
- 111P **Dixon CJ, Hall JF & Boarder MR**
Evidence suggesting a role for P2Y₁₃ receptors in the regulation of rat hepatocyte cyclic AMP levels
- 112P **Pahra P, Poll CT, Westwick J & Li SW**
Comparison of lanthanide sensitivity of receptor-activated calcium influx in the human promyelocytic leukaemic cell line HL60 and human neutrophils
- 113P **Johnson EA, DSK Samways, Couch D, Kelly E & Henderson G** μ -opioid receptor mediated Ca²⁺ signalling in transfected HEK 293 cells requires concomitant M₃ muscarinic receptor activation
- 114P **Samways DSK & Henderson G**
Rate of decay of the μ -opioid receptor mediated elevation of [Ca²⁺]_i in SH-SY5Y neuroblastoma cells
- 115P **Mesher J, Li SW, Poll CT & Danahay H**
Preliminary pharmacological characterisation of UTP-induced Ca²⁺ influx in well-differentiated human bronchial epithelial cells
- 116P **White PJ & Boarder MR**
Characterisation of an agonist specific Ca²⁺ response to both UTP and ATP P2Y₁₁ receptors: an example of agonist dependent selection of signalling pathways
- 117P **Gibson A, Ayman S, Wallace P & McFadzean I**
The myosin phosphatase inhibitor calyculin-A abolishes nitrenergic relaxation of the mouse anococcygeus
- 118P **Gomes P & Soares-da-Silva P**
Dopamine-mediated inhibition of renal Na⁺/H⁺ exchanger isoform 3: involvement of protein kinase A and C pathways
- 119P **Pedrosa R & Soares-da-Silva P**
D₁-mediated inhibition of renal Na⁺/H⁺ exchanger through a signalling cascade involving protein G_s α , adenylyl cyclase (AC) and protein kinase A (PKA)
- 120P **Gomes P & Soares-da-Silva P**
Dopamine D₂-like receptor-mediated opening of K⁺ channels in opossum kidney cells
- 121P **Goulding NJ, Rickford AKB, Sherratt KM, Paul-Clark MJ, Flower RJ & Perretti M**
Characterisation of a novel glucocorticoid receptor in human platelets
- 122P **Mancini L, Paul-Clark MJ, Hannon R, McIntyre I & Perretti M** Glucocorticoid modulation of rankl and osteoprotegerin in osteoblast cell lines
- 123P **Clarke NP, Smith K, Napier C & Gupta P**
Characterisation of muscarinic receptor expression in dog submandibular gland
- 124P **Alexandrou A, Claringbold A, Harris J, McAllister K, Pullen S & Gupta P** Darifenacin has a low affinity for muscarinic M₁ receptors in dog saphenous vein confirming its M₃ selectivity

- 125P **Napier C, Laskey P & Gupta P**
Interaction of darifenacin at the human recombinant M₃ receptor is competitive and reversible
- 126P **Bridson SJ, Middleton RJ, Kellam B & Hill SJ**
Characterisation of a novel fluorescent agonist for the human A₁-adenosine receptor
- 127P **Baker JG, Hall IP & Hill SJ**
Time course of agonist-stimulated CRE-mediated reporter gene transcription in CHO cells
- 128P **Baker JG, Hall IP & Hill SJ**
Effect of MEK1/2 inhibitors on CRE-mediated gene transcription in CHO cells
- 129P **Fozard JR, Baur F & Wolber C**
Antagonist pharmacology of adenosine A_{2B} receptors from rat, guinea pig and dog
- 130P **Clark JH, Broadley KJ, Hutcheson IR, Nicholson RI & Kidd EJ**
Expression of adenosine receptors in MCF-7 human breast cancer cells
- 131P **Racké K, Wenzel F & Stichnote C**
Lysophospholipids stimulate proliferation of rat primary airway fibroblasts
- 132P **Walters MJ, Warner TD, Bishop-Bailey D & Mitchell JA**
The ppar γ ligand 15-deoxy- $\Delta^{12,14}$ -prostaglandin J₂ (15D-PGJ₂) inhibits proliferation and cytokine release from human pulmonary artery smooth muscle
- 133P **Nevin BJ & Broadley KJ**
Effects of L-arginine on neutrophil influx and airway hyperreactivity 1h after lipopolysaccharide challenge
- 134P **Ellis K, Mazzoni L & Fozard JR**
Role of endogenous adenosine in the early and late response to allergen challenge in actively sensitised Brown Norway rats
- 135P **Kay LJ, Chong LK, Chess-Williams R, Rostami-Hodjegan A & Peachell PT**
Influence of polymorphisms in the β_2 -adrenoceptor gene on the expression of β -adrenoceptors in human lung tissue
- 136P **Scola A, Chong LK & Peachell PT**
Desensitisation of β_2 -adrenoceptor-mediated responses by salbutamol and salmeterol in human lung mast cells
- 137P **López-Valverde V, Elmedal Laursen B, Mulvany MJ & Simonsen U**
Role of endothelin-1 and ATP-sensitive K⁺ channels in hypoxic response of rat intrapulmonary arteries
- 138P **Andersen CU, Mulvany M & Simonsen U**
Sildenafil and 3-morpholinomethyl-1H-imidazo[5,1-f]indole-2-carboxylate (SIN-1) relax rat pulmonary arteries
- 139P **Sisodiya A, Kilpatrick IC, Higenbottam TW & Emery CJ**
The selective reduction of 5HT-linked pulmonary vasoconstriction by dexfenfluramine is prevented by pre-treatment with citalopram in the wistar rat lung
- 140P **Templeton-Ward OJ & Randall MD**
The vasorelaxant effects of simvastatin in the rat aorta
- 141P **Yates L & Broadley KJ**
The effect of adenosine A₃ receptor activation on the recovery from simulated ischaemia of guinea pig left atria
- 142P **Parija SC & Broadley KJ**
8sPT-resistant component of A₁-mediated negative inotropic response in presence of 4-AP is pertussis toxin sensitive
- 143P **Almotrefi AA, Dzimir N & Premkumar LS**
Investigation of the antifibrillatory drug interactions between propranolol and bretylium in perfused rabbit hearts
- 144P **Getting SJ, Di Filippo C, Lam CW, Rossi F, Flower RJ, D'Amico M & Perretti M**
Protective role of melanocortin type 3 receptor in myocardial ischaemia-reperfusion injury in mice
- 145P **Bowen IM, Marr CM, Chester AH & Elliott J**
Characterisation of the contractile properties of an equine aortic valve preparation
- 146P **Berhane Y, Bailey SR & Elliott J**
Characterisation of endothelium-dependent vasodilatory responses in the equine isolated perfused digital vascular bed
- 147P **Andrews TJ, Kengatharan M & Carrier MJ**
Measurement of endothelial function in the rat ear artery *in vivo*
- 148P **Goulter AB, Allen JC, Gilbert MB & Clark KL**
Thrombin increases the expression of adipocyte fatty-acid binding protein aP2 mRNA in human vascular endothelial cells
- 149P **Andrews TJ & Carrier MJ**
Endothelial hyperreactivity in the perfused obese Zucker rat hindquarter is abolished by pro-oxidant treatment
- 150P **Jones RD, Roberts SA, Ruban LN, Pugh PJ, English KM, Jones TH & Channer KS**
Testosterone does not increase the intracellular concentration of cGMP in A7r5 aortic smooth muscle cells
- 151P **Rowell KO, Jones RD, Pugh PJ, Jones TH & Channer KS**
Comparison of the vasodilatory action of testosterone in isolated human pulmonary and mesenteric arteries and veins
- 152P **Tep-areenan P, Kendall DA & Randall MD**
Mechanisms of 17 β -oestradiol-induced vasorelaxation in the rat aorta

- 153P **Davis RJ, Ali M, Sheldrick RL, Clark KL & Coleman RA** EP₄ prostanoid receptors mediate relaxation of human cerebral artery
- 154P **Brahmadevara N, Hillier C, Shaw AM & MacDonald A** β_1 -adrenoceptors mediate endothelium independent relaxation in rat femoral resistance arteries
- 155P **Leineweber K, Altmann C, Harms P & Brodde O-E** Does simvastatin influence the agonist-induced desensitisation of β -adrenoceptors?
- 156P **Vo PA, Tomlinson JAP, Chauhan SD & Ahluwalia A** The role of the endothelium and constitutive NO in LPS-induced vasorelaxation
- 157P **Altmann C, Fetscher C, Böyükbas D & Michel MC** Effects of sphingosine-1-phosphate, sphingosylphosphorylcholine and ceramide on mesenteric artery contraction and relaxation in spontaneously hypertensive rats
- 158P **Zacharia J, Hillier C & MacDonald A** Effect of cocaine on the α_1 -adrenoceptor subtypes involved in neurally-evoked contractions of rat femoral resistance arteries
- 159P **Bhattacharya B & Roberts RE** Endothelin-1 and vasopressin enhance α_2 -adrenoceptor-mediated vasoconstriction in the isolated porcine ear artery through different mechanisms
- 160P **Vergura R, Rizzi A, Camarda V, Calo G, Guerrini R, Salvadori S & Regoli D** Urotensin II stimulates plasma extravasation in mice via UT receptor activation
- 161P **Rautureau Y, Jourdon P & Gauthier C** Influence of β_2 -adrenergic stimulation on intracellular Ca^{2+} concentration in freshly isolated rat aortic endothelial cells
- 162P **Bakhit D, Yeoman MS, Gard PR & Dzimir N** Effects of blood pressure variation on angiotensin receptor expression in spontaneously hypertensive and normotensive rats
- 163P **Wanstall JC, Gambino A & Chess-Williams R** Influence of 5-hydroxytryptamine (5-HT) uptake on 5-HT potency in rat pulmonary and mesenteric arteries: effects of exposure of rats to hypoxia
- 164P **Maguire J, Wilkinson I, McEniery C & Davenport A** Vasoconstrictor responses to the elastin peptide VGVAPG in ageing human arteries *in vitro*
- 165P **Kuc RE, Davies IC & Davenport AP** Motilin receptors in the human cardiovascular system
- 166P **Baker KE & Broadley KJ** Vascular actions of ecstasy: roles of adrenergic neurones, endothelin, thromboxane, 5-HT, angiotensin and α_1 receptors
- 167P **McQueen DS, Bond SM, de Boer P & Webb DJ** RWJ-662733, a histamine H_3 receptor antagonist, does not affect sympathetic neurotransmission in the pithed rat
- 168P **Thomas MA, Bishop-Bailey D & Warner TD** The novel CO releasing compound tricarbonyldichlororuthenium (II) dimer confers protection from free radical mediated cytotoxicity in WKY 3M-22 cell line and primary rat aortic smooth muscle cells
- 169P **Wray J, Zeldin D, Warner TD & Bishop-Bailey D** Cytochrome P450 2J2 over-expression activates peroxisome proliferator-activated receptor- α
- 170P **McLaughlin DP, Ahmed FP, Blatchford KL, Sales KM, & Stamford JA** Differential responsiveness to noradrenaline in the distal colon of Maudsley Reactive and Non-Reactive inbred rat strains
- 171P **Blatchford KL, McLaughlin DP & Stamford JA** Blunted pharmacological modulation of 5-HT release from rat mesencephalic nuclei after prior tissue 'radiolabelling' indicates non-physiological amine accumulation
- 172P **Centurión D, Márquez-Conde JA & Villalón CM** Pharmacological profile of the sympatho-inhibitory effects of moxonidine and rilmenidine: possible involvement of prejunctional imidazoline I_1 receptors
- 173P **Tyacke RJ, Minchin MCW, Nutt DJ & Hudson AL** Identification of a putative imidazoline-2 binding protein
- 174P **MacDonald E, Lähdesmäki J, Sallinen J & Scheinin M** Some residual α_2 -adrenoceptor mediated inhibition of serotonin turnover in striatum of $\alpha_2\text{-A}$ knockout mice
- 175P **Jackson G, Raj ABM, Lallies MDM & Hudson AL** Identification of Dopamine D_2 autoreceptors on striatal neurones of broiler chickens
- 176P **Jennings K, Sheward J, Harmar T & Sharp T** Mice over-expressing the 5-HT transporter show evidence of increased central 5-HT_{2A} function
- 177P **Choudhury HI, Peterson D, Rosahl T, McAllister G, Seabrook GR & Maubach K** 5-HT₇ receptors increase firing activity in the CA3 region of mouse hippocampus
- 178P **Jones MG, Newberry NR, McMahon SB, Comer M & Kennett G** Frovatriptan prevents GTN-induced increases in firing rate of neurones in nucleus trigeminalis caudalis
- 179P **Meckin RJ, Kirk SL, Neill JC, Marshall K & Reynolds GP** The 5-HT_{1A} partial agonist antipsychotic drugs ziprasidone and clozapine down-regulate post-synaptic 5-HT_{1A} receptors in rat brain

- 180P **Thomas DR, Melotto S, Massagrande M, Stean TO, Gribble AD & Forbes IT** SB-656104-A, a novel 5-HT₂ receptor antagonist, inhibits REM sleep in rats
- 181P **Hirani E, Sharp T, Sprakes M, Grasby P & Hume S** Effect of endogenous 5-HT on [¹¹C]MDL 100907 binding investigated in rat brain using PET
- 182P **Le Masurier M, Sharp T, Cowen PJ, Houston G & Hume S** A tyrosine-free amino acid mixture attenuates amphetamine-induced displacement of [¹¹C]raclopride in striatum: a rat PET study
- 183P **Chumbley JR, Ranatunga KM & Mathie A** Inhibition of the human two-pore domain K⁺ channel TREK-1 (hTREK-1) by fluoxetine
- 184P **Bailey CP, Couch D, Kelly E & Henderson G** Do low concentrations of high efficacy μ -opioid agonists reveal desensitisation and internalisation of μ -opioid receptors by morphine?
- 185P **Fish LR, Philipps E, Smith AD, Cook SM, Brown TA, Wafford K & Atack JR** Modulation of [³⁵S]TBPS binding in mouse brain
- 186P **Fragata IR, Sebastião AM & Ribeiro JA** GABA_A receptor blockade potentiates the inhibitory neuromodulation by adenosine in the hippocampus
- 187P **Diógenes MJ, Sebastião AM & Ribeiro JM** Brain derived neurotrophic factor facilitation of synaptic transmission in rat hippocampus is dependent on A_{2A} adenosine receptor activation
- 188P **Russo E, Whalley B & Constanti A** Topiramate modulates L-type calcium currents in rat olfactory cortical neurones *in vitro*
- 189P **Whalley B & Constanti A** Muscarinic modulation of GABA_A receptor-mediated ipSPs in adult and immature rat olfactory cortex *in vitro*
- 190P **Postlethwaite M & Constanti A** Muscarinic induction of the post-stimulus afterdepolarizing tail current (I_{ADP}) in rat olfactory cortical neurones *in vitro* requires G-protein activation
- 191P **Ayman G, Jones RSG & Woodhall G** Modulation of excitatory synaptic transmission at central synapses by group II metabotropic glutamate receptors
- 192P **Thompson SE, Woodhall G & Jones RSG** Pharmacological evidence for subtypes of presynaptic GABA_B receptors controlling glutamate and GABA release in the rat entorhinal cortex
- 193P **Amantea D, Tessari M & Bowery NG** Reduced G-protein coupling to the GABA_B receptor in the nucleus accumbens and the medial prefrontal cortex of the rat after chronic treatment with nicotine
- 194P **Easton N, O'Shea E, Kingston S, Fry JR & Marsden CA** Formation of glutathione adduct metabolites of MDMA in human liver microsomes is related to CYP2D6 activity
- 195P **Bexis S, VanDeputte C & Docherty JR** Effects of chronic treatment with MDMA on pre and postjunctional responsiveness in the rat
- 196P **Green AR, Elliott JM & Colado MI** Effect of ambient temperature and 3,4-methylenedioxymethamphetamine (MDMA) pretreatment on the hyperthermic response of rats to a low dose of MDMA
- 197P **Quate L, McBean DE, Ritchie IM, Olverman HJ & Kelly PAT** Cerebrovascular effects of acute methylenedioxymethamphetamine in rats previously exposed to the drug
- 198P **Johnston LC, Rose S, McCreary AC & Jenner P** Fluvoxamine reduces levodopa induced dyskinesias in the MPTP-treated common marmosets
- 199P **Iravani MM, Jackson MJ, Al-Barghouthy G, Kuoppamäki M & Jenner P** Ecstasy (3,4-methylenedioxymethamphetamine) inhibits dyskinesia expression and normalises locomotor activity in Parkinsonian primates
- 200P **Lane EL, Rose S, Cheetham S & Jenner P** Chronic administration of BTS 74 398 does not induce abnormal movements in 6-OHDA lesioned rats
- 201P **Iczkiewicz J, Rose S & Jenner P** Osteopontin and tyrosine hydroxylase expression following intranigral injection of lipopolysaccharide
- 202P **Iravani MM, Leung CCM, Haddon CO, Rose S & Jenner P** Immunohistochemical and behavioural effects of unilateral supranigral lipopolysaccharide administration in rats
- 203P **Dowman J, Rose S & Jenner P** Effect of the mitochondrial complex I inhibitor MPP⁺ and the proteasomal inhibitor lactacystin on SH-SY5Y cells
- 204P **Kelland EE & Toms NJ** Pyruvate rescues oligodendrocyte progenitor cells from zinc toxic insults
- 205P **Tyler SJ, Dawbarn D, Wilcock GK & Allen SJ** Changes in α - and β -secretase in Alzheimer's disease
- 206P **Iannone M, Chiappetta O, Rotiroti D, Nappi G, Bagetta G & Corasaniti MT** Evidence that 17 β estradiol reduces cytochrome C translocation and minimizes hippocampal damage caused by

- transient global brain ischemia in rat
- 207P **Lee JJ, Jane DE & Croucher MJ**
Actions of (RS)-3,4-dicarboxyphenylglycine and its (R)- and (S)-enantiomers on [³H]D-aspartate release in the rat cerebral cortex *in vitro*
- 208P **Heidbreder C, Bianchi M, Lacroix L & Crespi F**
In vivo evidence that the metabotropic glutamate receptor antagonist 2-methyl-6-(phenylethynyl)-pyridine (MPEP) acts as an inhibitor of the norepinephrine transporter
- 209P **Maskell PD, Speder P, Newberry NR & Bermudez I** The effects of the NMDA receptor antagonists cerestat and memantine on the human nicotinic $\alpha 7$ receptor expressed in xenopus oocytes
- 210P **Misra A, Collins L, Quirk K, Lawrence A, Palmer A, Babbs A, Bickerdike M & Knight A**
Inhibition of [³H]-MK-801 binding by NMDA channel blockers in the presence of allosteric modulators
- 211P **Morrone LA, Rombolà L, Nisticò R, Richards DA & Bagetta G** Systemic administration of bergamot essential oil causes Ca²⁺-dependent elevation of hippocampal amino acids neurotransmitters in rat
- 212P **Whiteside G, Harrison J & Walker K**
Indomethacin, naproxen and celecoxib reverse mechanical hyperalgesia in a rat model of post-surgical pain
- 213P **Finn DP, Beckett SRG, Samanta S, Manders T, Jhaveri MD, Fone KCF, Marsden CA & Chapman V** Blockade of N-Type Ca²⁺ channels in the central nucleus of the amygdala modulates nociceptive behaviour in the formalin test in rats
- 214P **Duncan M, Kendall DA & Ralevic V**
 δ -tetrahydrocannabinol attenuates sensory neurotransmission in the rat isolated mesenteric arterial bed
- 215P **Kelly S & Chapman V**
Effect of selective activation of spinal CB₁ receptors on mechanical evoked responses of spinal neurons in rats with spinal nerve ligation and sham rats
- 216P **Abdul Aziz CB, Chapman V & Mason R**
Inhibitory effects of morphine on mechanical punctate evoked responses of posterior thalamic neurons in the anaesthetised rat
- 217P **Pethő G, Almási R, Bölcskei K & Szolcsányi J**
Measurement of the noxious heat threshold: a novel approach to study heat hyperalgesia and the antinociceptive effects of drugs
- 218P **Helyes Z, Bölcskei K, Pintér E, Pethő G, Németh J, Bánvölgyi A & Szolcsányi J** Analgesic effect of TT-232, a heptapeptide somatostatin analogue, in acute and chronic pain models in the rat
- 219P **Elmes SJR, Smart D, Kendall D & Chapman V**
Effect of vanilloid receptor antagonist iodo-resiniferatoxin on spinal nociceptive transmission in anaesthetised rats
- 220P **Lam PMW, Smart D & Lambert DG**
Differences in the affinity of capsaizine at recombinant rat and human VR1 receptors
- 221P **Johnson EE, Nicol B & Lambert DG**
Functional coupling of the nociceptin receptor natively expressed in dog brain membranes
- 222P **Ibba M, Calo G, Guerrini R, Toth G & Lambert DG** Pharmacological characterization of [³H]UFP-101, a novel radioligand selective for the nociceptin/orphanin FQ receptor
- 223P **Kitayama M, Barnes TA, McDonald J, Calo G, Guerrini R, Smith G, Rowbotham DJ & Lambert DG** Pharmacological profile of the cyclic nociceptin/orphanin FQ analogues c[Cys10,14]N/OFQ(1-14)NH₂ and c[Nphe1,Cys10,14]N/OFQ(1-14)NH₂
- 224P **Perdona E, Remelli R, Pinnola V, Corsi M & Garnier MJ** Modulation of human serotonin transporter activity by human NK₁ receptor: evidence for an intracellular cross-talk mechanism
- 225P **Ayoub SS, Botting RM, Colville-Nash PR, Willoughby DA** The analgesic effect of paracetamol in mice is explained by the inhibition of cyclo-oxygenase activity in the central nervous system
- 226P **MacInnes N & Duty S**
Intraventricular and intrapallidial injections of the Group III metabotropic glutamate receptor agonist l-serine-o-phosphate (L-SOP) alleviate reserpine-induced akinesia in the rat
- 227P **Batenburg WW, Schuijt MP, Saxena PR & Danser AHJ** AT₂ receptor-mediated vasodilation in human and rat coronary arteries. role of nitric oxide
- 228P **Schuijt MP, Tom B, de Vries R, Sluiter W, Saxena PR & Danser AHJ** Superoxide: a direct or an indirect vasoconstrictor?