

ORAL COMMUNICATIONS

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

- 153P **Mechan AO, Colado MI, Esteban B, Elliott JM & Green AR**
Evidence against MDMA-induced hyperthermia being mediated by 5-HT release in the brain
- 154P **PO'Loinsigh ED, Kelly JP & O'Boyle KM**
Co-administration of D-amphetamine alters the acute and long-term effects of 3,4-methylenedioxymethamphetamine in rats
- 155P **Chesnoy-Marchais D & Cathala L**
Modulation of glycine receptors by dihydropyridines in rat spinal neurones
- 156P **Asghar AUT, Bird GC & King AE**
Glutamate transporters and modulation of primary afferent-mediated synaptic transmission in spinal dorsal horn neurones from normal and arthritic rats *in vitro*
- 157P **Worsley MA, Badie-Mahdavi & King AE**
Protein kinase A involvement in neurokinin- and nociceptive afferent- induced slow depolarisations and fos expression in rat spinal cord dorsal horn *in vitro*
- 158P **Obrenovitch TP, Egan AC & Urenjak J**
Local nitric oxide inhibition alters the pattern of cortical spreading depression (CSD) induced by high extracellular K⁺ in anaesthetised rats
- 159P **Ho M & McKnight AT**
In vitro characterisation of J-113397 at the native and recombinant rat ORL₁ receptor
- 160P **Andrews N, Loomis S, Oles R, Singh L & McKnight AT**
Effect of pregabalin on the development of conditioned place preference (CPP) to morphine and the effect of morphine to increase accumbal dopamine in the rat
- 161P **Klokouzas A, Barrand MA & Hladky SB**
MRP1-mediated transport of 2,4-dinitrophenyl-s-glutathione (DNP-SG) in membrane vesicles prepared from human erythrocytes and COR-L23/R lung tumour cells
- 162P **Crockett TR, McBride M, Ness KF, Kane KA & Wainwright CL**
The effect of S6c on platelet aggregation and leukocyte free radical generation in rat blood *in vitro* and *ex vivo*
- 163P **Hanspal IS, Magid KS, Webb DJ & Megson IL**
The effect of oxidative stress on endothelium-dependent and nitric oxide donor-induced relaxation in rat aortic rings: implications for nitrate tolerance
- 164P **Wainwright CL, Miller AM & Work LM**
NO-aspirin, but not native aspirin, reduces myocardial infarct size in anaesthetised pigs subjected to ischaemia/reperfusion
- 165P **Miller AM, McPhaden AR, Wadsworth RM & Wainwright CL**
Studies on the role of leukocytes and TNF α in neointima formation and leukocyte adhesion in a rabbit model of balloon injury
- 166P **Douthwaite JA, Lees DM & Corder R**
Lipopolysaccharide increases endothelin-1 synthesis in endothelial cells without increasing preproendothelin-1 gene transcription rate
- 167P **Chootip K, Kennedy C & Gurney A**
Characterisation of P2 receptors mediating contraction of the rat isolated pulmonary vasculature
- 168P **Carollo M, Christie MI & Perretti M**
Expression of MIP-2, KC and MCR-1 and their receptors in chronic granulomatous inflammation
- 169P **Kingham PJ, Court E, McLean WG & Costello RW**
Nerve cell-mediated eosinophil degranulation
- 170P **Sawatzky DA, McLean WG & Costello RW**
The adhesion of eosinophils to a neuronal cholinergic cell line IMR32
- 171P **Mancini L, MacIntyre I, Brandi ML & Perretti M**
Analysis of osteoprotegerin ligand effects on the FLG 29.1 pre-osteoclastic cell line

POSTER COMMUNICATIONS

- 172P **Liu B, Bennett T & Gardiner SM**
Cardiovascular effects of anandamide and of 5-HT in the absence and presence of the 5-HT₃-receptor antagonist, azasetron, in conscious rats
- 173P **Eseh-Sumbele P, McCurrie JR & Evans T**
The contribution of nitric oxide (NO) to angiotensin II-induced tachyphylaxis in rat aorta
- 174P **Strati I & McCurrie JR**
Effects of insulin and tyrosine kinase inhibition on isolated vascular muscle
- 175P **Dawson NJ & Lawson K**
NG-nitro-L-arginine methyl ester attenuates the vasorelaxations to DY-9708, but not cromakalim, in rat isolated aortic rings
- 176P **White R, Siau BD, Bottrill FE & Hiley CR**
Interactions between isoprenaline and levocromakalim in the relaxation of rat isolated mesenteric artery

- 177P **Gardiner SM, Kemp PA, March JE & Bennett T**
Influence of the ETA-receptor antagonist, SB 234551, on haemodynamic responses to lipopolysaccharides (LPS) in conscious rats
- 178P **Crockett TR, Scott GA, McGowan NWA, Kane KA & Wainwright CL**
Anti-arrhythmic and electrophysiological effects of the endothelin receptor antagonists, BQ-123 and PD161721
- 179P **Headley EL, Hiley CR & Ford WR**
Angiotensin II gives concentration-dependent reductions in infarct size in rat isolated perfused hearts subjected to ischaemia/reperfusion
- 180P **Kazerani HR, Zeitlin IJ & Wainwright CL**
Release of a vasodepressant factor from the rat isolated heart: effect of myocardial ischaemia and reperfusion
- 181P **Bell D, Allen RA & McDermott BJ**
Altered responsiveness to β_2 adrenoceptor and NPY Y_2 receptor stimulation during progression of cardiomyocyte hypertrophy
- 182P **Cullen JP, Bell D, Kelso EJ & McDermott BJ**
Evidence for involvement of ET_B receptors and associated involvement of PKC-dependent mechanisms in endothelin-1 mediated cardiomyocyte hypertrophy
- 183P **Chan WM, Welch W & Sitsapesan R**
Investigating the effects of adenine nucleotides and related compounds on cardiac ryanodine receptor activation using [3H]ryanodine binding
- 184P **Hill AP & Sitsapesan R**
Novel effects of DIDS on the gating and conductance of the sheep cardiac ryanodine receptor
- 185P **Randall VA, Patel H, Quinn M, Lamb H, Revell D, Benwell KR, Croucher MJ, Palmer AM, Sheardown MJ & Porter RHP**
Pharmacological characterisation of human adenosine A_{2B} receptors co-expressed with $G_{\alpha 16}$ in CHO-K1 cells
- 186P **Brown RE & Corder R**
Comparison of the effects on adenosine metabolism by cultured endothelial cells of inhibitors of adenosine deaminase and nucleoside transport
- 187P **Battu GR, Zeitlin IJ & Gray AI**
Anti-inflammatory activity of myeloperoxidase inhibitory molecules isolated from resin extracts of *Commiphora kua*
- 188P **Fagura MS, McCormick M & Bowers KC**
Pyridoxal-5-phosphate is a slowly dissociating P2X₇ receptor antagonist
- 189P **Theaker J, Fagura MS, Lawson M & Bowers KC**
P2X₇-induced pore formation in a population of THP-1 cells
- 190P **Hirst WD, Babbs AJ, Minton JAL, Rogers DC, Moss SF, Bromidge SM, Stean T & Price GW**
Ex vivo binding with [^{125}I]SB-258585 to estimate *in vivo* 5-HT₆ receptor occupancy by 5-HT₆ selective compounds and typical and atypical antipsychotics
- 191P **Morgan D, Parsons ME & Whelan CJ**
Evidence for nicotinic cholinergic receptors on a monocytic cell line (THP-1)
- 192P **Wibberley A, Nunn PA, Naylor AM & Ramage AG**
Investigation of the role of nicotinic receptors in the female rat isolated urethra
- 193P **Pennington RA & Prince RJ**
Determinants of epibatidine selectivity at muscle nicotinic acetylcholine receptor complexes
- 194P **Pennington RA & Prince RJ**
Cytisine and dihydro- β -erythroidine selectivity at muscle nicotinic receptor complexes
- 195P **Williamson IJR, Nunn PA & Newgreen DT**
An investigation of a putative BK_{Ca} potassium channel activator using isolated rat bladder and single cell studies
- 196P **Liu XH, Morris R & Williams G**
The electrophysiological effects of neuropeptide Y (NPY) on lateral hypothalamus neurones *in vitro*
- 197P **Hann V, Thompson CL, Lees GL & Chazot PL**
Immunological identification of the H3 histamine receptor in the adult mouse striatum
- 198P **Brownhill V, Cheetham S, Kenny B & Wenham D**
Characterisation of [3H]SHU 9119 binding to human MC₃ and MC₅ melanocortin receptors
- 199P **Mann K, Heal DJ & Cheetham SC**
Characterisation of [3H]MTII and [3H]SHU 9119 binding to human MC₄ melanocortin receptors
- 200P **Plant LD, Henderson Z, Cowburn RC & Pearson HA**
A pathological mutation in Presenilin 1 modulates Na⁺ channel function in SH-SY5Y cells
- 201P **Johnston T, Jenner P & Duty S**
Changes in GABA_B1A and GABA_B2 receptor gene expression in the basal ganglia and thalamus of rats with a nigrostriatal tract lesion
- 202P **Miller JC, Conway SJ, Clark BP & Jane DE**
Novel phenylglycine analogues as potent and selective antagonists of group II mGluRs on neonatal rat primary afferent terminals
- 203P **Green AR, Hainsworth AH, Nelson RM, Debens TA, Murray TK & Cross AJ**
The sedative and anticonvulsant properties of the enantiomers of AR-A008055, GABA_{mimetic} compounds with neuroprotective activity

- 204P **Nelson RM, Hainsworth AH, Lambert DG, Jones JA, Murray TK, Cross AJ & Green AR**
AR-A008055, a clomethiazole analogue, is neuroprotective in a global ischaemia model *in vivo* and inhibits ischaemia-induced glutamate release *in vitro*
- 205P **Beveridge TJR, Mazumdar A, Sprakes ME, Pei Q, Zetterstrom TSC & Elliott JM**
Induction of Arc mRNA expression by 3,4-methylenedioxymethamphetamine (MDMA) in the brain of the dark agouti rat
- 206P **Howson PA & Jane DE**
Depression of synaptic transmission in the rat spinal cord mediated via Group III metabotropic glutamate receptors is sensitive to NMDA receptor antagonists
- 207P **Javid FA, Muhia DK & Wood D**
Inhibitory influence of electrical field stimulation on N-methyl-D-aspartate receptor-induced ileal contractions
- 208P **Grayson B, Kelly ME & Neill JC**
Isolation rearing reduces the ability of 7-OH-DPAT to attenuate responding for a food-paired conditioned stimulus in the rat
- 209P **Andrews N, Loomis S, Singh L & McKnight AT**
Effect of pregabalin on maintenance of conditioned place preference (CPP) to morphine in the rat
- 210P **Javid FA & Naylor RJ**
The effect of naloxone on adaptation to motion sickness in *Suncus murinus*
- 211P **Aynem S, Wallace P, Gibson A & McFadzean I**
NO inhibits carbachol- and thapsigargin-induced contraction of β -escin-permeabilised smooth muscle
- 212P **S Aynem, Fernandes F & Gibson A**
Barium can distinguish between contractions of smooth muscle mediated via store-operated and voltage-operated calcium entry
- 213P **Tuladhar BR, Womack MD & Naylor RJ**
Evidence for 5-HT₃ receptor involvement in the 5-HT-induced contraction in the mouse isolated ileum
- 214P **Imaede K, Trout SJ & Cunnane TC**
Endothelin-1-induced hyperpolarisation of smooth muscle cells in the guinea-pig lower oesophageal sphincter
- 215P **Abbas F, Clayton J, Duckworth N, Grady A, Marshall K & Senior J**
A preliminary study of the role of cGMP in human isolated myometrium from pregnant donors
- 216P **Duckworth NJ, Clayton JK, Senior J & Marshall K**
The effect of smoking on the response to a TP-mimetic on perfused segments of the human isolated umbilical artery
- 217P **Yeung CK, Ingebrandt S, Krause M, Sprössler C, Denyer M, Britland ST, Offenhausser A & Knoll W**
Investigations into the use of miniaturised Field Effect Transistors (FETs) as a novel electro-physiological tool in pharmacological research
- 218P **Varley PG, Hlodan R, Uddin S, King T & Edwards S**
Monoclonal antibody injection without a needle
- 219P **Exley R, Zilkhal E, Urenjak J & Obrenovitch TP**
Continuous monitoring of changes in brain extracellular lactate using microdialysis coupled to enzyme-amperometric analysis
- 220P **Charlett A, Weller C, Oxlade N, Dobbs SM & Dobbs RJ**
Systemic cortisol response to *Helicobacter pylori* vacuolating toxin in idiopathic Parkinsonism and controls
- 221P **Sutherland J & Britland S**
Enhanced proliferation and migration of primary human dermal fibroblasts induced by various growth factors: implications for dermal repair

ABSTRACTS FROM A SYMPOSIUM ON 'THE GLUTAMATERGIC SYNAPSE AS A THERAPEUTIC TARGET'

Wednesday 6 September 2000

- 222P **Collingridge G**
Glutamate receptors and synaptic plasticity
- 223P **Danbolt NC**
Cellular and subcellular distribution of glutamate transporters: physiological and pathophysiological implications
- 224P **Meldrum BS**
Metabotropic glutamate receptors as therapeutic targets in epilepsy
- 225P **Rogawski MA**
NMDA, AMPA and kainate receptor antagonists as potential antiepileptic drugs
- 226P **Lodge D**
Prospects for AMPA/kainate antagonists in stroke and pain
- 227P **Bruno V, Battaglia G, Storto M, D'Onofrio M, Ngomba R, Besong G, Cuomo L, De Blasi A, Catania MV, Copani A & Nicoletti F**
Metabotropic glutamate receptor subtypes influence neuronal degeneration through different mechanisms

**ABSTRACTS FROM A SYMPOSIUM ON
'MEMORY AND COGNITION ENHANCEMENT IN THE AGED'**

Thursday 7 September 2000

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| <p>228P Rabbitt P
Methodologies and results of studies of cognitive changes in old age</p> <p>229P Quirion R
Memory-impaired aged rodents as relevant models: molecular and pharmacological studies</p> <p>230P Ögren SO, Schött PA, Kehr J, Razani H & Misane I
Galanin as a modulator of brain serotonin and acetylcholine transmission: prospects in aging and dementias</p> | <p>231P Perry E
Cholinergic components of cognitive and neuropsychiatric features of human brain aging</p> <p>232P Hogervorst E
The effects of hormone replacement on cognitive function in elderly women</p> <p>233P Stäubli UV
Positive modulators of AMPA receptors (ampakines)</p> |
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**ABSTRACTS FROM A SYMPOSIUM ON
'NEW INSIGHTS INTO 5-HT RECEPTORS AND FUNCTION'**

Friday 8 September 2000

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| <p>234P Pauwels PJ
Diverse signalling by 5-HT receptors</p> <p>235P Price GW
5-HT autoreceptor antagonists: the next generation of antidepressants</p> <p>236P Kennett GA, Bickerdike MJ, Vickers SP, Lightowler SL & Dourish CT
The 5-HT_{2C} receptor, a target for panaceas</p> | <p>237P Barnes NM, Brady CA, Dawlatly S, McMullen AJ, Lin L, Williams JM & Hope AG
The 5-HT₃ receptor: one receptor, two subunits, many functions</p> <p>238P Fone KCF
The 5ht6 receptor: potential CNS functions</p> <p>239P Hagan JJ
5-HT₇ receptors: pharmacology and potential therapeutic applications</p> |
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