

ORAL COMMUNICATIONS

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

- 1P **Vlahos R & Stewart AG** Cytokines inhibit airway smooth muscle DNA synthesis by glucocorticoid-sensitive induction of cyclo-oxygenase-2
- 2P **Ajuebor MN, Flower RJ & Perretti M** A functional role of endogenous MCP-1 in IL-1 β peritonitis
- 3P **Button CL, Galli SJ & Coleman JW** Effects of nitric oxide on stem cell factor-induced mast cell activation and surface expression of c-kit
- 4P **Brooks AC, Whelan CJ & Purcell WM** Reactive oxygen species generation by non-immunological mast cell activation: modulation by nitric oxide synthase inhibition
- 5P **Lukas J, Calvo R, Jaureguizar N, Suarez E, Zamacona M, Valle M & Raczka E** Leresetron Pk-Pd *in vivo*: experimental results and comparison with a pharmacokinetic (unbound concentration) pharmacodynamic theory
- 6P **Little HJ & Cho K** Evidence that potentiation by corticosterone of the response of dopamine-sensitive neurones in the ventral tegmental area to NMDA is mediated by glucocorticoid (Type II) receptors
- 7P **Rose S, Hindmarsh JG & Jenner P** MPP⁺-evoked hydroxyl radical formation in the rat striatum *in vivo* is altered by the monoamine oxidase inhibitors selegiline and clorgyline, but not pargyline
- 8P **Szolcsányi J, Németh J, Oroszi G, Helyes Zs & Pintér E** Effect of capsaicin and resiniferatoxin on the release of sensory neuropeptides in the rat isolated trachea
- 9P **Watson WP & Little HJ** Effect of prior chronic ethanol intake on the locomotor response to an environment associated with repeated nicotine administration
- 10P **Rogers DC, Jones DNC, Slade PD, Harper AJ, Hunter AJ & Hagan JJ** Detailed behavioural phenotype characterisation of ApoE knockout mice
- 11P **Clifford JJ, Tighe O, Croke DT, Drago J, Sibley DR & Waddington JL** Behavioural responsivity to the selective D₂-like agonist RU 24213 in transgenic mice with D_{1A} dopamine receptor 'knockout'
- 12P **Murray F, Kennedy J, Hutson PH & Grimwood S** Investigation of NMDA receptor ligand occupancy using *in vivo* [³H]-MK-801 binding
- 13P **Mason SL & McKnight AT** Pharmacological characterisation of the novel synthetic hexapeptide, Ac-Arg-Tyr-Tyr-Arg-Trp-Lys-NH₂ at the rat brain ORL₁ receptor using [³H]nociceptin and [³⁵S]GTP γ S binding assays
- 14P **Holtom PE, Bennett GW, Needham PL & Aspley S** Effect of chronic antipsychotic drugs on neurotensin binding in rat brain regions
- 15P **Bowes J & Thiemermann C** The NO donor SPM 5186 reduces infarct size in a rabbit model of myocardial ischaemia and reperfusion
- 16P **Megson IL, Sogo N, Campanella C, Mazzei FA, Butler AR & Webb DJ** S-nitrosothiols cause sustained nitric-oxide mediated vasodilatation in human saphenous vein: potential as long-term nitric oxide donor drugs in coronary artery bypass grafts
- 17P **Angulo J, Vallejo S, Peiró C, Neira M, Sánchez-Ferrer A, Rodríguez-Mañas L & Sánchez-Ferrer CF** Impairment of nitric oxide-mediated responses by highly glycosylated human oxyhaemoglobin in human mesenteric microvessels
- 18P **Sourkov S, Tabernero A & Vila E** Influence of NG-nitro-L-arginine methylester (L-NAME) on vasoconstriction induced by exogenous and endogenous noradrenaline in rat tail artery
- 19P **Khadour FH, O'Brien DW, Fu Y, Armstrong PE & Schulz B** Pacing-induced heart failure upregulates endothelial nitric oxide synthase in left atrium but not ventricles
- 20P **Reverte M, Flores O, Vidal S, Arévalo M & López-Novoa JM** Long-term L-arginine administration reduces nephrosclerosis in uninephrectomized spontaneously hypertensive rats
- 21P **Hughes DA & Coker SJ** Mechanisms contributing to the interaction of diazepam with the cascade of events following β -adrenoceptor stimulation in isolated atria
- 22P **Aitchison KA, Baxter GF, Yellon DM & Opie LH** Involvement of delta opioid receptor in ischaemic preconditioning against infarction in the rat isolated heart
- 23P **Gögelein H, Englert HC & Schölkens BA** Effects of the novel cardioselective K_{ATP} channel blocker HMR 1883 on K_{ATP} channels in guinea pig hearts and on rat pancreatic β -cells
- 24P **Bohn H, Englert HC & Schölkens BA** The K_{ATP} channel blocker HMR 1883 attenuates the effects of ischaemia on MPS duration and improves survival during LASD occlusion in the anaesthetised pig
- 25P **Billman GE, Englert HC & Schölkens BA** Effects of the cardioselective K_{ATP} channel blocker HMR 1883 on ventricular fibrillations in conscious postinfarcted dogs
- 26P **Linz W, Jung O, Englert HC & Schölkens BA** The benefit of ischaemic preconditioning is not abolished by the cardioselective K_{ATP} channel blocker HMR 1883 in rabbits
- 27P **Gardener MJ, Edwards G & Weston AH** Potassium channel modulation by cis-5,8,11,14,17-eicosapentaenoic acid in rat portal vein cells
- 28P **Williams CA, Robinson T, Shih M-F & Taberner PV** Effects of the α_2 adrenoceptor agonist UK 14304 on lipogenesis in mice following chronic ethanol treatment
- 29P **Wong M-PM, Young KW, Cooper DMF & Young JM** Calcium-dependent inhibition of agonist-stimulated cyclic AMP accumulation in human U373 MG astrocytoma cells
- 30P **Wilson HL, Evans AM & Galione A** Cyclic AMP and cGMP differentially regulate the production of the calcium-mobilising metabolites, nicotinic acid adenine dinucleotide phosphate and cyclic ADP-ribose

- 31P **Escribá PV & García-Sevilla JA** Coordinate regulation of receptor for activated C-kinase and protein kinase C in brains of morphine-treated rats
- 32P **Jarvis GE, Humphries RG, Robertson MJ & Leff P** ADP can induce aggregation of human platelets via both P_{2Y1} and P_{2T} receptors
- 33P **Miller KJ, Michel AD, Chessell IP & Humphrey PPA** Functional evidence for allosteric effects of cibacron blue at the P_{2X4} receptor
- 34P **Browning C, Beresford IJM & Giles H** Differential pharmacological characterisation of human recombinant melatonin mt₁ and MT₂ receptors
- 35P **Phillips T, Bevan N, Emson P & Rees S** The use of [³⁵S]GTPγS binding to assess G protein coupling of human type 2 metabotropic glutamate receptor
- 36P **Smith SL, Edwards G, Ward SA, Liu ZD & McLean WG** The effect of iron chelators on the neurotoxicity of artemisinin derivatives *in vitro*
- 37P **Calatayud S, Sanz MJ, Bello R, Canet A, Díaz de Rojas F & Esplugues JV** Transdermal nitroglycerin prevents leukocyte activation and gastric blood flow reduction induced by NSAIDs
- 38P **Beltran B, Barrachina MD, Esplugues JV & Esplugues J** The synthesis of nitric oxide in the brainstem and in the hypothalamus modulates the inhibition by bombesin of gastric acid secretion

POSTER COMMUNICATIONS

- 39P **Martinez-Larrañaga MR, Díaz MJ, Martinez MA, Fernandez-Cruz ML, Frejo MT, Martinez M & Anadón A** Inhibition of the cytochrome P4501A, P4502B and P4503A subfamilies in the liver of rats treated with fleroxacin
- 40P **Gilbert E, Edwards R, Schulz-Utermochl T, Boobis A, Rose S & Jenner P** Expression of P450 enzymes in primary rat ventral mesencephalic culture
- 41P **Bloomer JC, Clarke SE & Chenery RJ** An assessment of the potential of ropinirole, a dopamine receptor agonist, to inhibit various human cytochrome P450 enzymes
- 42P **Bell JO, Edwards G, Maggs JL, Bishop LP, O'Neill PM, Ward SA, Winstanley PA & Park BK** The biliary metabolites of β-artemether, an endoperoxide antimalarial
- 43P **Colado MI, O'Shea E, Esteban B, Granados R & Green AR** Evidence against clomethiazole preventing MDMA-induced neurodegeneration by free radical scavenging
- 44P **O'Shea E, Esteban B, Granados R, Green AR & Colado MI** Role of body temperature in the protective action of haloperidol against MDMA-induced neurodegeneration
- 45P **Green AR, Murray TK, Misra A & Cross AJ** Identification of clomethiazole metabolites in the gerbil
- 46P **Cross AJ, Jones JA, Murray TK & Green AR** The action of clomethiazole metabolites in the gerbil model of global ischaemia
- 47P **Murray TK, Snape MF, Cross AJ & Green AR** Comparison of the time course of the tremorogenic effect of tacrine, donepezil and NXX-066 in rats
- 48P **Dronfield S, Egan K, Marsden CA & Green AR** The potency of tacrine, donepezil, rivastigmine and metrifonate in inducing tremor and salivation in rats
- 49P **Khan I, Smythe JW & Evans AT** 4-Aminopyridine has significant anticholinesterase activity at micromolar concentrations *in vitro*
- 50P **Smith SL, Martin KF & Heal DJ** Demonstration of neuroprotection by the novel anticonvulsant, BTS 72 664, after permanent focal cerebral ischaemia in rats
- 51P **Smith SL, Martin KF & Heal DJ** Improvement of functional deficit after permanent focal ischaemia in rats provided by the novel anticonvulsant, BTS 72 664
- 52P **Burgess ZS & Goudie AJ** Tolerance to the clozapine discriminative stimulus
- 53P **Burgess ZS & Goudie AJ** Cross-tolerance to the clozapine discriminative stimulus induced by the novel putative atypical antipsychotic JL13
- 54P **Goudie AJ & Taylor A** Olanzapine generalisation to the clozapine discriminative stimulus is determined by clozapine training dose
- 55P **Smith JA & Goudie AJ** Lack of evidence for the role of D4 receptors in the behavioural effects of clozapine in rats
- 56P **Stowe RL & Barnes NM** Development of a radioligand binding assay to selectively label 5-HT₇ receptors in rat brain
- 57P **Fletcher S, Richards DA & Barnes NM** No evidence for a difference in central 5-HT₃ receptor expression between GAERS and an outbred control strain of rats
- 58P **Diez-Ariza M, Ramirez MJ, Lasheras B & Del Río J** Mechanisms for the enhanced acetylcholine release induced by 5-HT₃ receptor antagonists in rat entorhinal cortex slices
- 59P **Aguirre N, Hervías I, Del Río J & Lasheras B** Effect of glutathione depletion on MDMA-induced serotonergic neurotoxicity in neonate rats
- 60P **Mitchell AL, Phipps SL, Grahame-Smith DG Elliott JM** Bromocriptine acts as a partial agonist at the human 5-HT_{2A} receptor
- 61P **Richards P, Hutson PH & Grimwood S** Comparison of [³H]ifenprodil binding in native and stably expressed recombinant NMDA receptors
- 62P **Iravani MM, Rose S & Jenner P** Transient induction of inducible nitric oxide synthase immunoreactivity in NMDA receptor-mediated neurotoxicity in the rat caudate putamen
- 63P **Bujas Bobanovic M, Dursun SM & Robertson HA** Nitric oxide synthase inhibitor L-NAME enhances phencyclidine-induced behaviours and neural activation in rat brain
- 64P **Cárdenas A, De Alba J, Moro MA, Leza JC, Lorenzo P & Lizasoain I** Implication of glutamate in the expression of a calcium-independent NO synthase after oxygen and glucose deprivation in rat forebrain slices
- 65P **Lizasoain I, Fernández-Tomé P, Leza JC, Lorenzo P & Moro MA** Protective effects of cyclic GMP on the neuronal death induced by SIN-1 in the presence of superoxide dismutase

- 66P De Alba J, Cárdenas A, Moro MA, Leza JC, Lorenzo P & Lizasoain I Down-regulation of calcium-dependent NO synthase by calcium-independent NO synthase after oxygen and glucose deprivation in rat forebrain slices
- 67P Moran RJ, Bell WR & King DJ Basal dopamine release and the response to acute haloperidol in the core and shell sub-regions of rat nucleus accumbens
- 68P Boronat MA, Olmos G & García-Sevilla JA Treatment with I_2 -imidazoline ligands attenuates the development of tolerance to morphine-induced antinociception in rats
- 69P Zetterström TSC, McQuade R & Pei Q Pre-treatment with the non-NMDA antagonist DNQX attenuates ECS-induced gene expression for BDNF in rat brain
- 70P Bujas Bobanovic M, Dursun SM & Robertson HA The dose-dependent effects of phencyclidine on behaviour and immediate early genes in rats
- 71P Smith JW, Costall B & Smythe JW Thyroxine enhances cognitive performance in rats challenged with scopolamine
- 72P Pei Q, Lewis L, Ainsworth K & Zetterström TSC Effects of antidepressant treatments on mRNA expression of G protein-coupled potassium channel (GIRG) subunits in the rat brain
- 73P MacDonald E, Sallinen J, Viitamaa T, Haapalinna A, Scheinin M, Link RE & Kobilka BK Elevated sensitivity to the increase in serotonin turnover after α_2 -adrenoceptor blockade in mice with threefold overexpression of α_{2C} -adrenoceptor subtype
- 74P Choudhury Q, McKay DT, Flower RJ & Croxtall JD Modulation of arachidonic acid release and cell growth by phospholipase A_2 inhibitors in A549 cells
- 75P Rios JL, Giner RM, Recio MC, Mañez S, Uriburu ML & de la Fuente JR Do sesquiterpene lactones act as anti-inflammatory agents through a protein synthesis-mediated mechanism?
- 76P Maurya M, Theodorou AE & Horton RW Paroxetine down-regulates corticosteroid receptors in rat brain and thymus
- 77P Lecci A, Meini S, Tramontana M, Giuliani S, Criscuoli M & Maggi CA Dexamethasone ameliorates cyclophosphamide-induced cystitis in rats
- 78P Sudan HL, Kilpatrick IC, Needham PL & Heal DJ Influence of dexamethasone, hydrocortisone and progesterone on *Xenopus* oocyte maturation
- 79P Cameron P, Rotondo D, Stimson WH & Davidson J Effect of prostaglandin E_2 and ketoprofen on *Escherichia coli* 0157:H7-induced tumour necrosis factor- α production by human blood
- 80P Davidson J, McAllister P, Little LA & Rotondo D Cyclic GMP-independent regulation of human monocytic U937 cell proliferation by fatty acids and sodium nitroprusside
- 81P Davidson J, Liddle EC, Marshall P & Rotondo D Cyclic GMP regulation of human CD4⁺ lymphocyte function and modulation by fatty acids
- 82P Katugampola S, Warner JA & Shaw K Towards defining the involvement of type 1 5-hydroxytryptamine receptors in proliferation of Jurkat T lymphocytes
- 83P Morcillo EJ, Cortijo J, Martí-Cabrera M, Villagrasa V, Berto L, Ortiz JL & Martínez-Losa M Effects of glaucine on human isolated bronchus and human polymorphonuclear leukocytes
- 84P Lecci A, Meini S, Tramontana M, Giuliani S, Criscuoli M & Maggi CA Capsaicin does not alter rat urinary bladder motor responses induced by a B_1 receptor agonist after lipopolysaccharide treatment
- 85P Lecci A, Meini S, Tramontana M, Giuliani S, Criscuoli M & Maggi CA Characterization of kinin B_1 receptor-mediated motor responses in normal or inflamed rat urinary bladder *in vivo*
- 86P Barton M, Jelic P, Shih M-F & Taberner PV Comparison of the effects of short-term ethanol consumption on adipose tissue lipogenesis in TO and CBA mice
- 87P Shih M-F, Slough S, Williams CA & Taberner PV Effects of the imidazoline S-22068 on *in vivo* glucose utilization and hepatic glycogen synthesis in mice
- 88P Burleigh DE Non-selective potassium channel inhibition reduces secretory more than absorptive mechanisms in human ileal mucosa
- 89P Burleigh DE T cells, in contrast to human colonic mucosa, do not respond to 5-hydroxytryptamine with an increase in short-circuit current
- 90P Javid FA & Naylor RJ Investigation of the contractile effect of 2-methyl-5-HT on the terminal region of *Suncus murinus* intestine
- 91P Barrachino MD, Calatayud S, Beltrán B, Canet A & Esplugues JV Central oxytocin receptors mediate endotoxin-induced inhibition of gastric acid secretion
- 92P Ramírez MC, Calatayud S, Beltrán B, Barrachino MD & Esplugues JV Modulation by NSAIDs of gastric nitric oxide synthesis
- 93P Calatayud S, Ramírez MC, Sanz MJ, Bosch JM, Piqué JM & Esplugues JV Portal hypertension modulates aspirin-induced gastric injury
- 94P Gálvez J, Garrido M, Merlos M & Zarzuelo A Intestinal antiinflammatory activity of UR-12745 on a rat model of colitis
- 95P Tuladhar BR, Cooper N & Naylor RJ The effect of PDE1, PDE2, PDE5 selective and non-selective phosphodiesterase inhibitors on peristalsis in the guinea-pig isolated ileum
- 96P Jiménez R, Andriambeloson E, Pérez-Vizcaino E, Andriantsitohaina R, Jiménez J, Zarzuela A, Duarte J & Tamargo J Endothelium-dependent contractile response of myricetin in rat isolated vascular smooth muscle
- 97P Dowell FJ, Martin WJ, Dominiczak AF & Hamilton CA Basal nitric oxide is deficient in both male and female spontaneously hypertensive stroke-prone rats
- 98P Brooks AMS, Rigg L & Terrar DA Possible influence of changes in calcium loading of the sarcoplasmic reticulum on the rate of beating of guinea-pig isolated atrial preparations
- 99P Sánchez M, Rubin JM, Cantabrana B, Varona AB, Hidalgo A & Bordallo C Increases of ornithine decarboxylase activity in the positive inotropism induced by androgens in isolated left atrium of rat
- 100P Browne M & Docherty JR The effect of oestrogen on vascular contractions in rat aorta and mesenteric artery

- 101P Raczka E & Quintana A Indomethacin-induced effects on cerebral circulation in the awake rat are unrelated to prostacyclin, which is not a cerebral vasodilator
- 102P Travers A, Middlemiss D & Louttit JB Cardio-protection after repeated dosing with GR79236, an adenosine A₁ receptor agonist
- 103P Boschmans S-A & Perkin MF Effect of xylamine on ischaemia and reperfusion arrhythmia in isolated perfused rat heart
- 104P Zacharowski Kai, Kondon K & Thiemermann C The selective EP₃-prostanoid receptor agonist, ONO-AE-248, reduces infarct size in a rat model of myocardial ischaemia and reperfusion
- 105P Bowes J, Laight DW & Thiemermann C The PARS inhibitors 3-aminobenzamide, nicotinamide and 1,5-dihydroxyisoquinoline do not scavenge superoxide anions *in vitro*
- 106P Zacharowski K, Großer T, Schneidmuller D, Buerke M, Mayer J & Darius H Trapidil acts as a potent inhibitor of neointima formation following balloon injury: examination of proliferation and apoptosis *in vivo* and *in vitro*
- 107P Fernandez de Arriba A, Gómez LA, Cavalcanti FL, Merlos MJ & Forn J Pharmacological characterization of a novel and highly potent nonpeptide AT1 receptor antagonist, UR-7247, *in vitro*
- 108P Orallo F & Camiña M Study of the vasodilator effects of resveratrol, a natural phenolic component of wines, in rat aorta
- 109P Buck N, Perris AD, Richardson AG & Smith JW Release of a stable, Ca²⁺-dependent antivaso-constrictor from hypoxic endothelial cells of the transformed umbilical cell line (ECV304)
- 110P Longobardo M, Delpón E, Caballero R, Tamargo J & Valenzuela C Effects of changes in extracellular pH on R(+)-bupivacaine-induced block of hKv1.5 channels
- 111P Pérez-Vizcaino F, Cogolludo A, Fajardo S, Zaragoza-Arnáez F, Ibarra M & Tamargo J Involvement of Ca²⁺ channel blockade in nicorandil-induced vasodilation
- 112P Ruiz E, Del Rio M, Ganado P, Sanz M & Tejerina T L-citrulline, the by-product of NO synthesis, decreases vascular smooth muscle cell proliferation
- 113P Tjerina T, Ganado P, Del Rio M, Sanz M & Ruiz E Antiproliferative effects of indapamide on vascular smooth muscle cells
- 114P Delpón E, Caballero R, Valenzuela C, Longobardo M & Tamargo J Direct effects of losartan and its active metabolite on a human cardiac cloned potassium channel (Kv1.5)
- 115P Perkin MF, Boschmans S-A, De Jager G & Swan GE Effect of ouabain and 1 α ,2 α -epoxyscillirosidin on ventricular fibrillation threshold in Langendorff-perfused guinea-pig heart
- 116P Civantos B, López-Miranda V, Ortega A & Aleixandre MA Alpha-pressor responses in pithed rats fed on a high-calcium diet
- 117P Ishak S, Bennett T & Gardiner SM Involvement of endothelin and angiotensin II in the pressor effects of nitric oxide synthase inhibition in conscious, hypertensive, transgenic [(mRen-2)27] rats
- 118P Gardiner SM, Kemp PA, March JE, Martin KE, Heal DJ & Bennett T Regional haemodynamic effects of sibutramine hydrochloride in conscious, Long-Evans rats
- 119P Gardiner SM, Auton TR, Downham MRT, Sharp HL, Kemp PA, March JE, Rushton A, Bennett T & Glover JF Effects of active immunisation against angiotensin peptides on the pressor effects of exogenous angiotensin 1 (AI) in conscious rats
- 120P Gardiner SM, Kemp PA, March JE & Bennett T Evidence for involvement of calcitonin gene-related peptide (CGRP), but not adrenomedullin (ADM), in lipopolysaccharide (LPS)-induced vasodilatation in conscious rats
- 121P Gardiner SM, Kemp PA, March JE, Woolley J & Bennett T Changes in packed cell volume (PCV) and plasma glucose and tumour necrosis factor (TNF)- α levels during infusion of lipopolysaccharide (LPS) in conscious rats
- 122P Ortega A, Aleixandre MA, López-Miranda V & Civantos B Potassium- and α_1 -adrenoceptor-induced contractile activity of spontaneously hypertensive rat aorta in the presence of different calcium concentrations
- 123P Aleixandre MA, Ortega A, Civantos B & López-Miranda V Effect of dietary calcium on aorta responses to KCl and methoxamine in normotensive and hypertensive rats
- 124P Mosfer S, Lang D & Lewis MJ NADH/NADPH oxidase-mediated superoxide anion production by coronary microvascular endothelial cells is up-regulated in a guinea pig model of left ventricular hypertrophy
- 125P Lal H, Williams KI & Woodward B Chronic hypoxia differentially alters the vasoconstrictor responses to endothelin-1, phenylephrine and U46619 in rat isolated pulmonary blood vessels
- 126P Plane F & Stuart-Smith K Phenylephrine markedly potentiates the contraction of porcine isolated pulmonary arteries to other contractile agonists
- 127P Ting KN, Cheng HY, Davies DJ, Guardiola-Lemaitre B, Scalbert E, Delagrange P, Sugden D & Wilson VG The effects of melatonin and other indole-based analogues on vascular tone of the porcine isolated coronary artery
- 128P Wallis SJ, Wilson VG & Dunn WR Effect of overnight storage on the functional properties of human isolated, pressurized, mesenteric resistance arteries
- 129P Badia A, Terrades D, Tabernero A & Vivas NM Characterization of α_2 -adrenoceptor subtypes implicated in inositol phosphates production in the rat bisected vas deferens
- 130P García-Barrado MJ, Sancho C, Martín M & Moratinos J Effects of calcium channel antagonists on isoprenaline-induced hyperglycaemia, lipolysis and insulin secretion in the rabbit
- 131P Savidge JR, Sturgess NC, Bristow DR & Lock EA Discrimination of whole-cell currents mediated by AMPA- and kainate-type glutamate receptors in rat cultured cerebellar granule cells
- 132P Bellido I, Gomez A, Fernandez M & Sanchez de la Cuesta F Disulfiram, S-adenosyl-L-methionine and buspirone reverted up-regulated hippocampus 5-HT_{1A} receptors of alcoholized rats

- 133P **Ruiz-Golvano P, Frochilla D, Garcia-Osta A, Rubio MP, Almendral JM & Del Río J** Supranigral grafting of BDNF-producing fibroblasts prevents the dopaminergic and 5-HTergic neurotoxicity induced by intrastratial injection of MPP⁺ in rats
- 134P **King P, Widdowson PS, Doods H & Williams G** The Y1 receptor antagonists BW1229U91 and BIBP3226 recognise different [¹²⁵I]PYY binding sites
- 135P **Poucher SM, Freeman S, Heapy CG, Daniels SM, Cotton R & Giles MB** Pharmacological characterization of the protease-activated receptors in human erythroleukaemic cells
- 136P **Almotrefi AA, Moorju A, Basco C, Aboul-Enein HY & Dzimiri N** The stereochemistry, lipophilicity and stimulatory effects of nadolol on PKC activity in human lymphocytes
- 137P **Yegutkin G & Burnstock G** Kinetic characterization of [³H]ATP binding to rat liver plasma membranes
- 138P **Pickavance L, Widdowson PS, King P, Ishii S, Tanaka H & Williams G** MCC-555 treatment to young ZDF rats attenuates the development of overt diabetes
- 139P **Smith SL, Sadler CJ, Edwards G, Ward SA & McLean WG** The free radical-mediated neurotoxicity of artemisinin derivatives *in vitro*
- 140P **Grondin A, Bibby MC & Brown JE** Chemosensitivity studies using novel tamoxifen analogues and a doxorubicin-tamoxifen prodrug against cultured human breast tumours
- 141P **Abbas F, Clayton J, Marshall K & Senior J** Comparison of the effects of PGF_{2α} and related compounds on the human isolated myometrium from non-pregnant and pregnant donors

DEMONSTRATIONS

- 142P **Bailey SR, Barlow RB, Elliott J & Gray GA** SPICE - a Simple Program Identifying Curvaceous Elements
- 143P **Dewhurst DG, Atherton JG, Bulbulia Y & Shafiq I** A computer simulation of an investigative approach to teaching renal function in humans to undergraduate students
- 144P **Dewhurst DG & Davies D** Endocrine glands: an introductory level computer-based interactive tutorial for undergraduate students

ABSTRACTS FROM A SYMPOSIUM ON 'NUCLEAR RECEPTORS AND DRUG DESIGN'

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- 145P **Flower RJ** Nuclear Receptor Symposium: Chairman's outline notes
- 146P **Parker MG, Bevan C, Cowley S, Heery D, Valentine J & White R** Transcriptional activation by the oestrogen receptor
- 147P **Cidlowski JA, Webster J, McKay L, Bofetiado D, Oakley R & Jewell C** Mechanisms of gene activation and repression by the glucocorticoid receptor
- 148P **Redfern CPF** Retinoic acid receptors
- 149P **Brinkmann AO** The androgen receptor
- 150P **Wahli W, Krey G, Devchand P, Keller H, Ijpenberg A, Jeannin E, Braissant O & Desvergne B** Signalling by peroxisome proliferator-activated receptors

ABSTRACTS FROM A SYMPOSIUM ON 'THE EVALUATION OF TRANSGENIC MODELS ON DRUG DEVELOPMENT'

Friday 24 April 1998

- 151P **Colledge WG** Transgenic models of human disease
- 152P **Gonzalez FJ** Impact of gene knockout models in xenobiotic metabolism and chemical carcinogenesis
- 153P **Clarke NJ, Topps S, Sharp NA, Snaith MR, Richardson JP, Regan CF, Grant A, Hagger G, Jowett MI, Bussell J & Harris S** An industrial perspective on the use of transgenic models in drug development