

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 & Raczkova E** Lerisetron 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 responsiveness 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 neuropeptides binding in rat brain regions

15P **Bowes J & Thiemer 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, Taberner 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 P2Y₁ and P₂T receptors

33P **Miller KJ, Michel AD, Chessell IP & Humphrey PPA** Functional evidence for allosteric effects of cibacron blue at the P2X₄ 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]GTP_S 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

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POSTER COMMUNICATIONS

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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 A₂ 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 E₂ 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 B₁ receptor agonist after lipopolysaccharide treatment

85P **Lecci A, Meini S, Tramontana M, Giuliani S, Criscuoli M & Maggi CA** Characterization of kinin B₁ 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 F, 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 & Louitt JB** Cardioprotection 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*

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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, Zaragozá-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 -epoxyscillirostrin 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 KF, 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 Suprarenal grafting of BDNF-producing fibroblasts prevents the dopaminergic and 5-HTergic neurotoxicity induced by intrastriatal injection of MPP⁺ in rats

134P King P, Widdowson PS, Doods H & Williams G The Y1 receptor antagonists BW1229U91 and BIBP3226 recognise different [¹²⁵I]PPY 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

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147P Cidlowski JA, Webster J, McKay L, Bofetido 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'

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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