ORAL COMMUNICATIONS

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

1P **Michel AD & Humphrey PPA** High affinity binding sites for [^{35}S]ATPγS in rat vas deferens may be P_{2x} purinoceptors

2P **Khakh BS, Michel AD & Humphrey PPA** Inhibition of ectoATPase and Ca-ATPase in rat vas deferens by P_2 purinoceptor antagonists

3P **Dickenson JM, Townsend-Nicholson A & Hill SJ** Synergistic interactions between human transfected adenosine A_1 receptors and endogenous cholecystokinin receptors in CHO-Kl cells

4P **Watson CJ & Jarvis SM** Substrate specificity of adenosine transport in procyclic forms of *Trypanosoma brucei brucei*

5P **Gould J, Bowmer CJ & Yates MS** Renal adenosine receptors in rats with acute renal failure

6P **Graham A, McLees A, Kennedy C & Plevin R** Uridine 5'triphosphate stimulates mitogen-activated protein kinase in EAhy 926 endothelial cells

7P **Gupta P, Butler P, Ellis P, Grayson KL, Land GC, Macor J, Robson SF, Shepperson NB & Wythes MJ** The *in vivo* pharmacological profile of CP-122,288, a selective inhibitor of neurogenic inflammation

8P **Kajekar R, Gupta P, Shepperson NB & Brain SD** Effect of CP-122,288 on increased skin blood flow induced by electrical stimulation of the rat saphenous nerve

9P **Kengatharan M, DeKimpe SJ, Thiemermann C & Vane JR** Characterisation of the mechanism of enhanced nitrite formation by lipoteichoic acid (from *S. Aureus*) in cultured J774.2 macrophage cells

10P **Paul A & Plevin R** Protein kinase C regulation of lipopolysaccharide-induced nitric oxide synthase activity in RAW 264.7 murine macrophages

11P **Bryant CE, Perretti M, Harris HJ & Flower RJ** Immunodetection of inducible nitric oxide synthase in rats after lipopolysaccharide administration: characterisation of a novel antibody

12P **Barber RD & Henderson RM** Growth of mesangial cells from the *H-2Kb*-tsA58 transgenic mouse

13P **Herbert CA & Robinson C** Do gelatinases contribute to loss of epithelial cohesion in eosinophil-mediated injury of the bronchial mucosa?

14P **Pennefather JN & Munns M** Characterisation of muscarinic receptor subtype mediating contractions of the uterus of oestrogen-treated and pregnant rats

15P **Cik M, Langley D, Chazot PL, Coleman S, Pearce BR & Stephenson FA** Cell cytotoxicity and changes in intracellular calcium ions mediated by cloned NMDA receptor subtypes

16P **Segieth-Beever J, Getting S, Biggs CS & Whitton PS** Effect of nitric oxide on basal and NMDA-evoked release of glutamate and aspartate release *in vivo*

17P **Lodge D & Palmer AJ** Characterisation of LY293558 as a stereoselective and competitive AMPA receptor antagonist on rat neocortical slices

18P **Urenjak J, Obrenovitch TP & Zilkha E** Microdialysis application of L-*trans*-pyrrolidine-2,4-dicarboxylate (L-*trans*-PDC): effect on extracellular glutamate and local field potential

19P **Pryke JG, Stewart M & Treherne JM** Characterisation of the binding of [^{125}I]α-dendrotoxin to rat brain

20P **Takahashi H & Terrar DA** Selectivity of action of thiopentone and propofol on components of delayed rectifier potassium currents in guinea-pig isolated ventricular myocytes

21P **Heath B & Terrar DA** Selectivity of action of E4031 and clofilium on components of delayed rectifier potassium currents in guinea-pig isolated ventricular myocytes

22P **Rakovic S, Ramsay GA & Terrar DA** Actions of thapsigargin on calcium transients, calcium currents, action potentials and contractions in guinea-pig isolated ventricular myocytes

23P **Hargreaves AC, Lummis SCR & Taylor CW** Direct inhibition of 5-HT_3 receptor function by L-type Ca^{2+} channel antagonists

24P **Lummis SCR** Radioligand binding characteristics of 5-HT_3 receptor splice variants: evidence that phosphorylation does not affect receptor binding affinity

25P **Grewal SS, Bill DJ, Fletcher A & Dourish CT** The effects of amphetamine and cocaine in the rat elevated zero-maze test of anxiety: a comparison with diazepam

26P **Biggs CS, Fowler LJ, Whitton PS & Starr MS** Dopamine output during L-DOPA infusion into the substantia nigra of reserpinised rats is augmented by dizocilpine

27P **Pearce RKB, Jenner P & Marsden CD** Modification of L-DOPA-induced dyskinesias by the D-1 agonist A-77636 in the MPTP-treated common marmoset (*Callithrix jacchus*)

28P **McNaught KStP, Jenner P, Testa B, Carotti A & Marsden CD** Inhibition of mitochondrial respiration by isoquinoline derivatives

29P **Hurley MJ, Jenner PG & Marsden CD** Differential effect of dopamine depletion on the level of D2 and D3 receptor expression in rat basal ganglia

30P **Watson WP & Little HJ** Effects of gabapentin on ethanol withdrawal signs in mice

31P **Moret C & Briley M** The effect of terminal 5-HT autoreceptor antagonists on 5-HT release in the guinea-pig brain

32P **MacKinnon AC, Parnes H & Brown CM** [^{3}H]-RS-45041-190, a potent and selective radioligand for I_2 imidazoline receptors

33P **Wallace KE, Kendall DA & Alexander SPH** Effects of metabotropic glutamate receptor agonists on second messenger responses in the cerebellum

34P **Herrero JF & Headley PM** Central antinociception by spinal actions of a systemically-administered NSAID: mediation by endogenous opioids

35P **Patel S, Harris A, O'Beirne G, Cook ND & Taylor CW** Characterisation of inositol 1,4,5-trisphosphate receptor binding by Scintillation Proximity Assay

36P **Lawlor M & O'Boyle KM** Measurement of guanine nucleotide binding protein activation by neurotransmitters in bovine caudate membranes

37P **Drieu la Rochelle C & O'Connor SE** Intravenous administration of sumatriptan produces marked saphenous venoconstriction in the anaesthetised dog mediated by 5-HT_1-like receptors

38P **Randall VA, MacLennan SJ, Martin GR & Wilson VG** The effect of forskolin, U46619 and experimental protocol on the 5-HT_1-like receptor-induced contractions in the rabbit isolated saphenous vein

39P **Gallacher M & Ramage AG** Evidence indicating that activation of central 5-$HT_{2B/2C}$ receptors can cause sympathoexcitation in anaesthetized rats

40P **Dowell FJ, Henrion D & Michel JB** The effects of chronic nitric oxide synthase inhibition on vasoreactivity of rat mesenteric resistance arteries

41P **De Kimpe SJ, Bryan L, Tabaqchali S, Thiemermann C & Vane JR** Induction of nitric oxide release by different gram-positive bacteria in murine macrophages and rat aortic smooth muscle cells

42P **Barker DM & Corder R** The long-lasting vasodilator action of corticotrophin releasing hormone is endothelium-dependent in the rat perfused mesentery

43P **Phin P, Rossiter S, Smith W, Williams BC, Baird JD & Lindsay RM** Attenuation of hypertension and *in vitro* noradrenergic vascular reactivity by nitric oxide synthase inhibition in streptozotocin-induced diabetic rats

44P **Mitchell JA, Williams FM, Williams TJ & Larkin SW** The dilator action of capsaicin in the coronary circulation of the rabbit is mediated by nitric oxide

45P **Gardiner SM, Kemp PA, March JE, Mullins JJ & Bennett T** Haemodynamic effects of the non-selective endothelin antagonist, SB 209670, in conscious, transgenic (TGR (mRen-2) 27) hypertensive rats

46P **van der Graaf PH, Saxena PR, Shankley NP & Black JW** Noradrenaline relaxes precontracted rat small mesenteric arteries in the presence of α_1-adrenoceptor blockade via an endothelium-independent pathway

47P **Escott KJ, Beattie DT, Connor HE & Brain SD** Modulation of facial skin blood flow responses evoked by trigeminal ganglion stimulation in anaesthetised rats

48P **Cox SL, Story DF & Ziogas J** Multiple actions of angiotensin II on noradrenergic nerves of caudal arteries of normotensive and hypertensive rats

49P **Hamilton CA, Howie CA, Jardine E & Reid JL** Vascular responses of aortic rings from Watanabe heritable hyperlipidaemic rabbits after exposure to a free radical generating system

50P **Belham CM, Scott PH, Twomey DP, Peacock AJ, Wadsworth RM & Plevin R** Agonist-stimulated activation of mitogen-activated protein kinases and DNA synthesis in cultured pulmonary artery fibroblasts

POSTER COMMUNICATIONS

51P **Poucher SM, Keddie JR, Shaw GR, Brooks R & Collis MG** The *in vivo* cardiovascular pharmacology of the adenosine antagonist ZM241385 in the cat and dog: comparison with theophylline

52P **Keddie JR, Poucher SM, Shaw GR & Collis MG** The *in vivo* pharmacology of ZM241385, a novel, non-xanthine, adenosine antagonist

53P **Cooper J, Alexander SPH, Townsend-Nicholson A, Schofield P & Hill SJ** Analysis of the pharmacological profile of human brain A_{2b} adenosine receptor transfected into Chinese hamster ovary (CHO-K1) cells

54P **Losinski A & Alexander SPH** A_2 adenosine receptor relaxation of guinea-pig isolated, pre-contracted tracheal rings

55P **Alexander SPH** A_{2a} adenosine receptors in the guinea-pig neostriatum: cyclic AMP generation and [3H]-CGS 21680 radioligand binding

56P **Prior H, Hilditch A & Drew GM** Antagonist and antihypertensive profiles of the angiotensin AT1 receptor antagonist, GR138950

57P **Polley JS, Clark KL & Drew GM** Identification of angiotensin receptors in the normal rat kidney epithelial cell line, NRK 52E

58P **March JE, Gardiner SM, Kemp PA & Bennett T** Effects of losartan on haemodynamics in conscious, vasopressin-deficient hypertensive rats

59P **Abdi A & Johns EJ** Effect of the non-peptide angiotensin II receptor antagonist, Losartan, on renal function in 2K 2C Goldblatt hypertensive rats

60P **Dolan JL & Smith CFC** Apparent enhancement of endothelin-1 effects by ETA antagonists in the rat electrically stimulated vas deferens

61P **Battistini B, Brown M & Vane JR** Selective proteolytic activation and degradation of ETs and big ETs in parenchymal strips of the guinea-pig lung

62P **Man S, Parrott DP, Butterfield M, Williams RJ & Roach AG** Endothelin-induced modulation of tissue plasminogen activator (tPA) secretion by human cultured umbilical vein endothelial cells

63P **Kelly PAT, Edvinsson L & Ritchie IM** The endothelin antagonist FR139317 attenuates the cerebrovascular effects of Ng-nitro-L-arginine methyl ester *in vivo*

64P **Prentice DJ & Hourani SMO** NECA and R-PIA activate distinct sites to cause relaxation of the isolated rat aorta

65P **Donald SJ, Struthers AD & Lyles GA** Induction of nitric oxide synthase by lipopolysaccharide in rat aortic smooth muscle cells in culture and its inhibition by aminoguanidine

66P **McLean M, MacDonald A & Shaw AM** Effects of propranolol and L-NAME on b-adrenoceptor-mediated relaxation in rat carotid artery

67P **Bennett T, Gardiner SM, Kemp PA, March JE, Rees D & Moncada S** Transient changes in inducible nitric oxide synthase activity during continuous infusion of lipopolysaccharide (LPS) in conscious rats

68P **Handy RLC, Wallace P, Bland-Ward PA, Gaffen Z & Moore PK** Effect of S-methylisothiourea on neuronal nitric oxide synthase, nociception and blood pressure in the mouse

69P **Pinto-do-Ó PC & Soares-da-Silva P** Inhibition of Na^+-H^+ exchange and Na^+-K^+ ATPase on the cell inward transport of L-DOPA in rat renal tubules

70P **Vieira-Coelho MA, Serrão MP & Soares-da-Silva P** Lack of effect of L-arginine and of its decarboxylation product, agmatine, on the conversion of L-DOPA to dopamine in rat renal tubules

71P **Vieira-Coelho MA & Soares-da-Silva P** Cell inward transport and decarboxylation of L-DOPA in Caco-2 cells in culture

72P **MacKinnon AC, Linton C & Brown CM** Inhibition of monoamine oxidase and (I_2) imidazoline affinity in rat kidney

73P **Wilson DA & Woodward B** The effect of nifedipine on the acidosis-induced coronary constriction in the isolated perfused rat heart

74P **Kelso EJ, McDermott BJ, Silke B, Spiers JP & Scholfield CN** Electrophysiological effects of loop diuretics on ventricular cardiomyocytes isolated from rabbit myocardium

75P **Geraghty RF, Kelso EJ, McDermott BJ, Trimble ER & Nicholls DP** Characterization of ventricular cardiomyocytes isolated from rabbits with epirubicin-induced heart failure

76P **Brown C & Shaw AM** Vasoconstrictor and vasodilator responses of 5-hydroxytryptamine in the rat pulmonary artery: effects of selective receptor antagonists

77P **Hide E, Piper J, Ney P, Thiemermann C & Vane JR** Prostaglandin E_1 or prostaglandin E_0 attenuates the reperfusion injury in the ischaemic rabbit heart *in vivo*

78P **Mitchell JA, Chester AH, Borland JAA, Bishop-Bailey D, Larkin SW, Yacoub MH & Williams TJ** Co-induction of nitric oxide synthase and cyclo-oxygenase activity in human internal mammary artery

79P **Ahmad M, Zeitlin IJ Parratt JR** Bradykinin in Sprague Dawley rat isolated hearts

80P **Rigg L & Terrar DA** Effects of ryanodine and cyclopiazonic acid on rate of beating of guinea-pig isolated atrial preparations

81P **Cheng CHK, Costall B & Naylor RJ** Effect of social interaction on 5-HT levels in the right and left hemispheres of young and aged rats

82P **Phillips PEM & Stamford JA** Cascade analysis identification of low-level electrochemical signals *in vivo*

83P **Cheng CHK, Costall B & Naylor RJ** Assessment of *in vivo* basal 5-HT levels in the left and right hippocampus of freely moving rats

84P **Mundey MK, Fletcher A, Marsden CA & Fone KCF** Effect of iontophoretic application of the 5-HT_{1A} antagonist WAY100635 on neuronal firing in the guinea-pig dorsal raphé nucleus

85P **Brazell MP, Spokes RA & Dourish CT** 5-HT_{1A} receptors tonically regulate dopamine synthesis and release in the rat striatum, *in vivo*

86P **Wieczorek WJ, Muscat R & Kruk ZL** Behavioural sensitization and dopaminergic function in the shell of the rat nucleus accumbens

87P **Aston FA, O'Donnell RA, Quinn P & Wallis RM** Characterisation of the muscarinic receptor subtypes involved in the habituation response in the rat

88P **Parkins KJ, Cheng CHK, Costall B & Naylor RJ** Effect of scopolamine on *in vivo* acetylcholine release from the left and right hippocampus of freely moving rats

89P **MacKinnon AC, Brown CM & Redfern WS** RS-45041-190: a potent, selective ligand for I_2 imidazoline receptors, with effects suggesting a possible role for these receptors in the modulation of appetite

90P **Jackson HC, Griffin IJ & Nutt DJ** Effects of imidazoline$_2$ (I_2) site ligands on food and water intake in the rat

91P **Laird F, Graham M, Stanhope K & Dourish CT** The N-methyl-D-aspartate (NMDA) receptor antagonists MK-801 and CGS 19755 increase sucrose consumption in thirsty rats

92P **Manley S & Little HJ** Behavioural effects of adenosine receptor ligands during ethanol withdrawal

93P **Wilson J & Little HJ** Effects of CAM1028 on ethanol withdrawal signs

94P **Watson WP, Davies J & Little HJ** Actions of bicuculline and 4-aminopyridine on general anaesthesia induced by ethanol or ketamine

95P **Walker K, Dray A & Perkins MN** Hyperalgesia and fever in rats following i.c.v. administered lipopolysaccharide: effects of bradykinin B_1 and B_2 receptor antagonists

96P **Stefferl A, Miller AJ, Hopkins SJ, Rothwell NJ & Luheshi GN** Interleukin-1 receptor antagonist inhibits IL-1 fever in the brain in rats

97P **Miller AJ, Luheshi GN, Hopkins SJ & Rothwell NJ** Fever and interleukin-6 responses to systemic or localised (air pouch) injection of lipopolysaccharide

98P **Scott GS, Williams KI & Bolton C** The effects of nitric oxide synthase inhibition on experimental allergic encephalomyelitis in the Lewis rat

99P **Naeem S, Fox AJ, Patel IA, Walpole C, Dray A & Urban L** Receptors mediating tachykinin-evoked depolarisations of the neonatal rat spinal cord: evidence for a 'septide-sensitive' receptor

100P **Davey PT, Banner SE, Hamilton TC & Sanger GJ** Inhibition by capsazepine and ruthenium red of the pro- and anti-nociceptive effects of olvanil

101P **Kaur S & Starr MS** Dextromethorphan potentiates the antiparkinsonian action of L-DOPA in reserpine-treated mice

102P **Sanderson EM & Strange PG** Characterisation of an epitope tagged form of the D2 dopamine receptor

103P **Woodward R, Coley C, Daniell S, Naylor LH & Strange PG** The role of conserved serine residues in the binding of agonists to D2 dopamine receptors

104P **Gardner B, Hall DA & Strange PG** Different efficiency of G-protein coupling of the rat D_{2L} and D_3 dopamine receptors expressed in CHO cells

105P **Duxon MS, Reavley AC, Flanigan TP, Baxter G, Blackburn TP & Fone KCF** Expression of the 5-HT_{2B} receptor protein in the rat brain

106P **Stewart M, Newcombe J, Pryke JG & Treherne JM** Comparison of the binding of [^{125}I]-α-dendrotoxin to human and rat brain

107P **Michaud JC, Soubrié P & Le Fur G** Antagonism by SR 142801, a non-peptide NK_3 receptor antagonist, of senktide-evoked increase in firing rate in guinea-pig locus coeruleus slices

108P **Cover PO & Buckingham JC** A role for vasopressin in the regulation of gonadotrophin secretion

109P **Bond A & Lodge D** Stereospecific effects of the competitive and selective AMPA antagonist LY293558 on rat spinal neurones *in vivo*

110P **Sudan HL, Soloviev M, Barnard EA & Usherwood PNR** Functional characterisation of glutamate receptors expressed from mouse and frog cDNAs

111P **Bath C, Gilmore J & Bleakman D** Inhibition of human N-type and rat P-type voltage-dependent calcium channels by ifenprodil and eliprodil

112P **Bleakman D, Pearson K, Harnan S, Kamboj R & Schoepp D** Effects of LY293558 and NBQX on glutamate receptor responses in rat cerebellar Purkinje neurones and HEK293 cells expressing the human GluR6 glutamate receptor

113P **Iravani MM & Kruk ZL** Heterogeneous effects of NMDA on dopamine release in the rat caudate putamen

114P **Getting S, Segieth-Beever J, Ahmad S & Whitton PS** Nitric oxide modulates basal and NMDA-evoked release of GABA in ventral hippocampus in vivo

115P **Carletti R, Ratti E, Trist DG, Gaviraghi G & Bowery NG** Inability of modulators of the NMDA receptor complex to alter ^{3}H-dizocilpine binding *ex vivo* in mouse brain

116P **Ahmad S, Fowler LJ, Leach MJ & Whitton PS** L amotrigine alters veratridine- but not K^+-evoked amino acid release in the ventral hippocampus of the rat in vivo

117P **Nooney JM & Lodge D** The use of *Conus* toxins to establish calcium channel identity of CA3-CA1 neurotransmission in rat hippocampal slices

118P **Docherty RJ & Shah K** Non-specific block of voltage-dependent sodium and calcium channels in guinea-pig sensory neurones by (±) CP 96,345 and (±) CP 99,994

119P **Templeton AGB, MacLennan SJ, Pate MA, MacMillan S, Chilvers ER & Hicks PE** Is NS1619 a BK_{Ca} channel opener in human bronchus?

120P **Gooch AJ, Kozlowski RZ & Terrar DA** Actions of photoreleased cAMP on calcium currents and delayed rectifier potassium currents in guinea-pig isolated ventricular myocytes

121P **Gillard NP, Morley JDA, Hicks PE, Lawson K & Brown CM** Interaction of RS-91309 with KATP binding sites in the rat aorta

122P **Yeung CK, McCurrie JR & Wood D** The inhibitory effects of rubidium on responses to pinacidil in the mouse intestine

123P **Green ME, Edwards G & Weston AH** Rat bladder potassium channels: effects of potassium-channel modulators

124P **Barber RD, Woolf AS & Henderson RM** Whole-cell potassium conductances from conditionally immortalized mesangial cells from the *H-2Kb*-tsA58 transgenic mouse

125P **van der Graaf PH, Welsh NJ, Shankley NP & Black JW** Analysis of agonism in the rat aorta: further evidence for heterogeneity of α_1-adrenoceptors

126P **Büscher R, Heeks C & Michel MC** Characterization of a1-adrenoceptor subtypes in guinea pigs

127P **Taguchi K, Heeks C & Michel MC** Comparison of α_1-adrenoceptor subtypes in bovine brain and rat liver

128P **Furukawa K, Chess-Williams R, Noble AJ, Rosario DJ, Chapple CR & Uchiyama T** Non-surmountable antagonist effects of tamsulosim on the α_{1A}-adrenoceptor-mediated responses of the rat and human vas deferens

129P **Dickenson JD & Hill SJ** Coupling of an endogenous 5-HT_{1B}-like receptor to increases in intracellular calcium via a pertussis toxin-sensitive mechanism in CHO-K1 cells

130P **Baxter GS, Blackburn TP, Chapman J & Tilford NS** Contractile actions of the mixed 5-$HT_{2A/2B/2C}$ receptor antagonist, ICI 169369, in rat stomach fundus

131P **Ellis ES, Tilford NS, Smith MI & Baxter GS** Preliminary characterisation of 5-hydroxytryptamine (5-HT) receptors mediating relaxation of cat jugular vein

132P **Morecroft I & MacLean MR** 5-HT receptor subtype(s) in the adult rabbit pulmonary artery

133P **Morecroft I, Docherty C, McGrath JC & MacLean MR** The influence of nitric oxide on pulmonary artery responses to 5-HT in foetal, neonatal and adult rabbit

134P **Liu YJ & Jackson DM** Are there subtypes of prostaglandin DP receptors?

135P **Amin Z, Clayton JK, Marshall K & Senior J** A preliminary study of the effects of prostaglandin E_2 and the thromboxane mimetic, U46619, on the human umbilical artery

136P **Bishop-Bailey D, Larkin SW, Griffiths MJD, Swaine J, Pepper JR, Williams TJ & Mitchell JA** Characterisation of prostacyclin (PGI_2) and prostaglandin E_2 (PGE_2) release from human saphenous vein in response to bacterial LPS

137P **Krane A & Keen M** The effect of iloprost pretreatment on the sub-cellular localization of IP prostanoid receptors and Gsa in NG108-15 cells

138P **Krane A & Keen M** The effect of inhibitors of internalization on IP prostanoid receptor down-regulation in NG108-15 cells

139P **McIntyre P & Quinn P** Characterisation and comparison of muscarinic receptors in the dog ciliary muscle with ileum

140P **Kirkup AJ & Moore BA** Characterisation of the muscarinic receptor subtype mediating salivary gland secretion and tracheal smooth muscle contraction in the rat

141P **Keir RF & Stuart EF** Characterisation of a sensitive bradykinin B2 preparation in the rabbit sciatic vein

142P **Metcalfe M, Broadbent SJ, Davey DM, Naylor AM & Bushfield M** Species differences in the effects of NK_2 receptor activation on rat and guinea-pig bladder, *in vivo*

143P **Peachey JA, Brownhill VR, Hourani SMO & Kitchen I** The ontogeny of adenosine receptor subtypes in the rat vas deferens

144P **Wardle KA, Furey G & Sanger GJ** Further characterisation of the vanilloid receptor in the rat isolated vas deferens

145P **Siney L & Brain SD** Investigation of the reversible vasodilator response after local cutaneous heating of the rat tail

146P **Rae MG & Muir TC** Suramin reveals two distinct neuronally-mediated inhibitory junction potential components in the guinea-pig internal anal sphincter (gpIAS)

147P **Moulson A, Wan BYC, Ho MNK, Assem ESK & Pearce FL** Evaluation of the role of nitric oxide in histamine release from rat peritoneal mast cells

148P **Gibson A & Lilley E** Duroquinone, but not hydroquinone, inhibits nitrergic relaxations of the mouse anococcygeus after inhibition of superoxide dismutase

149P **Piotrowski W & Meije S** Effects of charybdotoxin and apamin on responses of isolated guinea-pig caeci to photochemical activation of the 'caged' niric oxide donor $K_2[Ru(NO)Cl_5]$

150P **Borman RA, Burleigh DE & Leedham S** Comparison of the effects of guanylin and *Escherichia Coli* heat stable enterotoxin on human intestinal mucosal electrolyte transport

151P **McPherson KL, Jardine E, Hamilton CA, Devlin AH, Dominiczak AF & Reid JL** Membrane cholesterol alterations in cultured WKY and SHRSP vascular smooth muscle cells on exposure to LDL, OX-LDL and vitamin E

152P **Babaei H, McCurrie JR & Irving G** Relaxant effects of 17b-oestradiol on rat isolated aorta

153P **Banner KH & Page CP** A time course study to investigate pulmonary eosinophil accumulation and bronchial responsiveness to histamine in ovalbumin sensitised guinea pigs

154P **Bryce PJ, Lee AJ, Milne AAY, Rossi AG, Thompson DC, Hicks PE & Chapman ID** Reversal of PAF-induced airway hyperreactivity by the potassium channel opener RS-91309 is distinct from its spasmolytic activity in the guinea-pig

155P **Gozzard N, Herd CM & Page CP** Effect of theophylline on antigen-induced airway responses in the neonatally immunised rabbit

156P **Kaul CL, Marita AR, Dickinson K & Jones RB** BTS 67 582 lowers glucose in glibenclamide-resistant streptozotocin diabetic rats

DEMONSTRATIONS

157P **Dewhurst DG & Dawson O** A computer-based interactive tutorial program to teach the physiology of the heart to undergraduate students

158P **Dewhurst DG, Collins GGS & Bailey B** An interactive, computer-based tutorial program to teach the pharmacology of dopamine to undergraduate students

159P **Coleman IPL, Foster RW, Hollingsworth M, Morgan R, Sewell K & Walker J** Drug targets and transduction systems

160P **Tilford NS, Bowen WP & Baxter GS** RoboFit: a versatile macro-driven template for curve fitting, analysis and presentation in Microsoft Excel

PHARMACOLOGY HIGHER EDUCATION NETWORK WORKSHOP

161P **Cox B** What's required in a pharmacology graduate in a research laboratory?

162P **Neden A** What's required in a pharmacology graduate in the financial sector?

163P **Pleuvry A** What's required in a pharmacology graduate in pharmaceutical marketing?

164P **McColl S** What's required in a pharmacology graduate in a multi-national non-pharmaceutical company?

165P **Clay B** What's required in a pharmacology graduate in regulatory affairs?

166P **Gregg E** What's required in a pharmacology graduate in a legal environment?

167P **Coates P** What's required in a pharmacology graduate in clinical pharmacology?

168P **Markham A & Sutcliffe M** What's required in a pharmacology graduate? - an overview sector?