



SUBJECT INDEX

A

- A23187**, Mechanisms of L-N^G nitroarginine/indomethacin-resistant relaxation in bovine and porcine coronary arteries, 119, 1177
- Preservation of endothelium-dependent relaxation in cholesterol-fed and streptozotocin-induced diabetic mice by the chronic administration of cholestyramine, 118, 385
- A7r5 cells**, Extra- and intracellular action of quarternary devapamil on muscle L-type Ca²⁺-channels, 119, 1197
- Acetylcholine**, Action of suramin upon ecto-ATPase activity and synaptic depression of *Torpedo* electric organ, 118, 1232
- Activation and cooperative multi-ion block of single nicotinic-acetylcholine channel currents of *Ascaris* muscle by the tetrahydropyrimidine anthelmintic, morantel, 118, 1127
 - Biphasic effect of pentobarbitone on chick myotube nicotinic receptor channel kinetics, 118, 1385
 - Characterization of the anatomical structures involved in the contractile response of the rat lung periphery, 118, 734
 - Cyclic GMP-independent effects of nitric oxide on guinea-pig uterine contractility, 119, 737
 - The effect of insulin treatment and of islet transplantation on the resistance artery function in the STZ-induced diabetic rat, 119, 495
 - The effect of ovariectomy on depressed contractions to phenylephrine and KCl and increased relaxation to acetylcholine in isolated aortic rings of female compared to male rabbits, 118, 2017
 - Effect of verapamil on intimal thickening and vascular reactivity in the collared carotid artery of the rabbit, 118, 1681
 - Endothelin-1 mediated inhibition of the acetylcholine-activated potassium current from rabbit isolated atrial cardiomyocytes, 119, 1427
 - Endothelium-derived factors and hyperpolarization of the carotid artery of the guinea-pig, 119, 959
 - Improvement by dynorphin A (1–13) of galanin-induced impairment of memory accompanied by blockade of reductions in acetylcholine release in rats, 118, 255
 - Increased responsiveness of human pulmonary arteries in patients with positive bronchodilator response, 119, 1337
 - Inhibition of cortical acetylcholine release and cognitive performance by histamine H₃ receptor activation in rats, 119, 1656
 - M₁ and M₃ muscarinic receptors in human pulmonary arteries, 119, 149
 - Properties of the inhibitory junction potential in smooth muscle of the guinea-pig gastric fundus, 117, 974
 - Release of [³H]-noradrenaline from rat hippocampal synaptosomes by nicotine: mediation by different nicotinic receptor subtypes from striatal [³H]-dopamine release, 117, 595
 - Role of potassium channels in endothelium-dependent relaxation resistant to nitroarginine in the rat hepatic artery, 117, 1600
 - Vascular reactivity in mesenteric resistance arteries following chronic nitric oxide synthase inhibition in Wistar rats, 117, 341
 - The vasoconstrictor effects of L-NAME, a nitric oxide synthase inhibitor, in pregnant rabbits, 118, 1012
- Acetylcholine receptors, muscarinic**, Influence of monovalent cations on the binding of a charged and an uncharged ('carbo-') muscarinic antagonist to muscarinic receptors, 117, 955
- see also under Muscarinic receptors
- Acetylcholine receptors, nicotinic**, Otilonium: a potent blocker of neuronal nicotinic ACh receptors in bovine chromaffin cells, 117, 463
- Release of [³H]-noradrenaline from rat hippocampal synaptosomes by nicotine: mediation by different nicotinic receptor subtypes from striatal [³H]-dopamine release, 117, 595
 - see also under Nicotinic receptors
- Acetylcholine release**, Differential effects of nitric oxide donors on basal and electrically evoked release of acetylcholine from guinea-pig myenteric neurones, 118, 2073
- Further evidence for the presence of cannabinoid CB₁ receptors in guinea-pig small intestine, 118, 2199
 - Inhibition of cortical acetylcholine release and cognitive performance by histamine H₃ receptor activation in rats, 119, 1656
 - Inhibition by endothelin-1 of cholinergic nerve-mediated acetylcholine release and contraction in sheep isolated trachea, 118, 762
 - Inhibition of neuromuscular transmission in the myenteric plexus of guinea-pig ileum by ω -conotoxins GVIA, MVIIA, MVIIC and SVIB, 118, 797
 - Localization of endothelin ET_B receptors on the myenteric plexus of guinea-pig ileum and the receptor-mediated release of acetylcholine, 118, 1171
 - Paradoxical facilitation of acetylcholine release from parasympathetic nerves innervating guinea-pig trachea by isoprenaline, 117, 1413
 - Preferential activation of excitatory adenosine receptors at rat hippocampal and neuromuscular synapses by adenosine formed from released adenine nucleotides, 119, 253
- Acetylcholinesterase**, Parasympathetic excitation of sympathetic innervation after cholinesterase inhibition, 117, 51
- N-Acetyl-L-cysteine**, Evidence for N-acetylcysteine-sensitive nitric oxide storage as dinitrosyl-iron complexes in lipopolysaccharide-treated rat aorta, 119, 1281
- Acid back-diffusion**, Tachykinin inhibition of acid-induced gastric hyperaemia in the rat, 119, 1525
- Acid uptake**, Comparison of the uptake of [³H]-gabapentin with the uptake of L-[³H]-leucine into rat brain synaptosomes, 118, 449
- Acidosis**, Comparison of the effects of nicorandil, pinacidil and nitroglycerin on hypoxic and hypercapnic pulmonary vasoconstriction in the isolated perfused lung of rat, 117, 633
- Full sensitivity of P_{2X2} purinoceptor to ATP revealed by changing extracellular pH, 117, 1371
 - The mechanism of acidic pH-induced contraction in aortae from SHR and WKY rats enhanced by increasing blood pressure, 118, 485
- ACPC**, Effect of 1-aminocyclopropanecarboxylic acid on N-methyl-D-aspartate-stimulated [³H]-noradrenaline release in rat hippocampal synaptosomes, 118, 901
- ACPD**, Differences in agonist and antagonist activities for two indices of metabotropic glutamate receptor-stimulated phosphoinositide turnover, 117, 1735
- Metabotropic glutamate receptors, transmitter output and fatty acids: studies in rat brain slices, 117, 189
 - NMDA receptor dependence of MGlu-mediated depression of synaptic transmission in the CA1 region of the rat hippocampus, 119, 1239
 - Pharmacological characterization of desensitization in a human mGlu1 α -expressing non-neuronal cell line co-transfected with a glutamate transporter, 118, 1558
 - Pharmacological characterization of metabotropic glutamate receptors coupled to phospholipase D in the rat hippocampus, 118, 1035
 - Pharmacological characterization of metabotropic glutamate receptors potentiating NMDA responses in mouse cortical wedge preparations, 118, 1530
- ACTH**, Influence of ACTH-(1–24) on free radical levels in the blood of haemorrhage-shocked rats: direct *ex vivo* detection by electron spin resonance spectrometry, 119, 29
- Stimulation of the hypothalamo-pituitary-adrenal axis in the rat by the type 4 phosphodiesterase (PDE-4) inhibitor, denbufylline, 119, 463
- Actin**, Effects of an AT₁ receptor antagonist, an ACE inhibitor and a calcium channel antagonist on cardiac gene expressions in hypertensive rats, 118, 549
- Reduction by inhibitors of mono(ADP-ribosyl)transferase of chemotaxis in human neutrophil leucocytes by inhibition of the assembly of filamentous actin, 118, 1111
- Actinomycin D**, Infiltration of neutrophils by intrapleural injection of tumour necrosis factor, interleukin-1, and interleukin-8 in rats, and its modification by actinomycin D, 117, 611
- Action potentials**, Effect of gadolinium on stretch-induced changes in contraction and intracellularly recorded action- and afterpotentials of rat

- isolated atrium, 118, 407
- The effects of anticonvulsants on 4-aminopyridine-induced bursting: *in vitro* studies on rat peripheral nerve and dorsal roots, 117, 573
 - Increase in action potential duration and inhibition of the delayed rectifier outward current I_K by berberine in cat ventricular myocytes, 117, 1427
- Adenine dinucleotides**, Discrimination by PPADS between endothelial P_{2Y} - and P_{2U} -purinoceptors in the rat isolated mesenteric arterial bed, 118, 428
- Selectivity and activity of adenine dinucleotides at recombinant P_{2X_2} and P_{2Y_1} purinoceptors, 119, 1006
- Adenosine**, Action of suramin upon ecto-apyrase activity and synaptic depression of *Torpedo* electric organ, 118, 1232
- Activation of multiple sites by adenosine analogues in the rat isolated aorta, 118, 1509
 - Adenosine A_2 receptor-induced inhibition of leukotriene B_4 synthesis in whole blood *ex vivo*, 117, 1639
 - Adenosine inhibitory effect on enhanced growth of aortic smooth muscle cells from streptozotocin-induced diabetic rats, 118, 783
 - Changes in nitric oxide release *in vivo* in response to vasoactive substances, 119, 1211
 - Characterization of adenosine receptors involved in adenosine-induced bronchoconstriction in allergic rabbits, 119, 1262
 - The effects of purine compounds on the isolated aorta of the frog *Rana temporaria*, 117, 873
 - The effects of saponin on the binding and functional properties of the human adenosine A_1 receptor, 117, 1521
 - Inhibition of glycolysis and enhanced mechanical function of working rat hearts as a result of adenosine A_1 receptor stimulation during reperfusion following ischaemia, 118, 355
 - Mediation by nitric oxide of the indirect effects of adenosine on calcium current in rabbit heart pacemaker cells, 119, 1463
 - Modulation of vasorelaxant responses to potassium channel openers by basal nitric oxide in the rat isolated superior mesenteric arterial bed, 117, 859
 - Potentiation by 2,2'-pyridylisatogen tosylate of ATP-responses at a recombinant P_{2Y_1} purinoceptor, 117, 1111
 - Preferential activation of excitatory adenosine receptors at rat hippocampal and neuromuscular synapses by adenosine formed from released adenine nucleotides, 119, 253
 - Purinoceptor modulation of noradrenaline release in rat tail artery: tonic modulation mediated by inhibitory P_{2Y} - and facilitatory A_{2A} -purinoceptors, 117, 156
 - Synergistic inhibition of thrombin-induced platelet aggregation by the novel nitric oxide-donor GEA 3175 and adenosine, 118, 2140
 - Tissue distribution of adenosine receptor mRNAs in the rat, 118, 1461
- Adenosine receptors**, Binding of the radioligand [3H]-SCH 58261, a new non-xanthine A_{2A} adenosine receptor antagonist, to rat striatal membranes, 117, 1381
- Characterization of P_1 -purinoceptors on rat isolated duodenum longitudinal muscle and muscularis mucosae, 117, 170
 - Functional characterization of adenosine receptors in the nucleus tractus solitarius mediating hypotensive responses in the rat, 117, 305
 - Inhibition of glycolysis and enhanced mechanical function of working rat hearts as a result of adenosine A_1 receptor stimulation during reperfusion following ischaemia, 118, 355
 - The ontogenetic profiles of the pre- and postjunctional adenosine receptors in the rat vas deferens, 117, 1105
 - Pharmacokinetic-haemodynamic relationships of 2-chloroadenosine at adenosine A_1 and A_{2A} receptors *in vivo*, 118, 369
 - Preferential activation of excitatory adenosine receptors at rat hippocampal and neuromuscular synapses by adenosine formed from released adenine nucleotides, 119, 253
 - Tissue distribution of adenosine receptor mRNAs in the rat, 118, 1461
- Adenosine receptor agonists**, Block by N^6 -L-phenylisopropyl-adenosine of the electrophysiological and morphological correlates of hippocampal ischaemic injury in the gerbil, 118, 1551
- Adenosine A_1 receptors**, Differential development of adenosine A_1 and A_{2B} receptors in the rat duodenum, 119, 949
- The effects of saponin on the binding and functional properties of the human adenosine A_1 receptor, 117, 1521
 - KW-3902, a selective high affinity antagonist for adenosine A_1 receptors, 117, 1645
 - Negative chronotropic and inotropic effects exerted by diadenosine hexaphosphate (AP_6A) via A_1 -adenosine receptors, 119, 835
 - Purinoceptor modulation of noradrenaline release in rat tail artery: tonic modulation mediated by inhibitory P_{2Y} - and facilitatory A_{2A} -purinoceptors, 117, 156
 - Role of brainstem adenosine A_1 receptors in the cardiovascular response to hypothalamic defence area stimulation in the anaesthetized rat, 117, 277
- Adenosine A_1 receptor antagonists**, Effects of a selective adenosine A_1 receptor antagonist on the development of cyclosporin nephrotoxicity, 117, 879
- KW-3902, a selective high affinity antagonist for adenosine A_1 receptors, 117, 1645
- Adenosine A_2 receptors**, Adenosine A_2 receptor-induced inhibition of leukotriene B_4 synthesis in whole blood *ex vivo*, 117, 1639
- KW-3902, a selective high affinity antagonist for adenosine A_1 receptors, 117, 1645
- Adenosine A_{2A} receptors**, Pharmacological and biochemical characterization of purified A_{2A} adenosine receptors in human platelet membranes by [3H]-CGS 21680 binding, 117, 1693
- Purinoceptor modulation of noradrenaline release in rat tail artery: tonic modulation mediated by inhibitory P_{2Y} - and facilitatory A_{2A} -purinoceptors, 117, 156
- Adenosine A_{2A} receptor antagonists**, Binding of the radioligand [3H]-SCH 58261, a new non-xanthine A_{2A} adenosine receptor antagonist, to rat striatal membranes, 117, 1381
- Adenosine A_{2B} receptors**, Characterization of the human brain putative A_{2B} adenosine receptor expressed in Chinese hamster ovary (CHO. $A_{2B}4$) cells, 119, 1286
- Differential development of adenosine A_1 and A_{2B} receptors in the rat duodenum, 119, 949
- Adenosine 5'-O-3-thiotriphosphate (ATP γ S)**, High affinity P_{2X} -purinoceptor binding sites for [^{35}S]-adenosine 5'-O-[3-thiotriphosphate] in rat vas deferens membranes, 117, 63
- [^{35}S]-Adenosine 5'-O-(3-thiotriphosphate)**, A comparison of the binding characteristics of recombinant P_{2X_1} and P_{2X_2} purinoceptors, 118, 1806
- Adenylyl cyclase**, Adrenoceptor- and cholinergic-mediated mechanisms in the regulation of 5-hydroxytryptamine release from isolated tracheae of newborn rabbits, 119, 91
- Antagonism of striatal muscarinic receptors inhibiting dopamine D_1 receptor-stimulated adenylyl cyclase activity by cholinergic antagonists used to treat Parkinson's disease, 118, 827
 - Differential desensitization of μ - and δ -opioid receptors in selected neural pathways following chronic morphine treatment, 117, 161
 - Identification of potent P_{2Y} -purinoceptor agonists that are derivatives of adenosine 5'-monophosphate, 118, 1959
 - The inhibitory effects of iberoxitin and 4-aminopyridine on the relaxation induced by β_1 - and β_2 -adrenoceptor activation in rat aortic rings, 119, 505
 - Impaired activation of adenylyl cyclase in lung of the Basenji-greyhound model of airway hyperresponsiveness: decreased numbers of high affinity β -adrenoceptors, 118, 2009
 - *In vitro* pharmacological profile of YM-43611, a novel D_2 -like receptor antagonist with high affinity and selectivity for dopamine D_3 and D_4 receptors, 117, 1625
 - Modulation by atrial natriuretic factor of receptor-mediated cyclic AMP-dependent responses in canine pulmonary artery during heart failure, 118, 1886
 - Rat striatal muscarinic receptors coupled to the inhibition of adenylyl cyclase activity: potent block by the selective m_4 ligand muscarinic toxin 3 (MT3), 118, 283
 - PK 11195 blockade of benzodiazepine-induced inhibition of forskolin-stimulated adenylyl cyclase activity in the striatum, 119, 223
 - The P_{2Y} purinoceptor in rat brain microvascular endothelial cells couple to inhibition of adenylyl cyclase, 119, 1385
- Adenylyl cyclase inhibitors**, Further investigation into the signal transduction mechanism of the 5-HT $_4$ -like receptor in the circular smooth muscle of human colon, 118, 1058
- Adhesion**, Drug-induced *in vitro* inhibition of neutrophil-endothelial cell

- adhesion, 118, 471
- Adhesion, neutrophil**, Effects of hydroxyethylrutosides on hypoxia-induced activation of human endothelial cells *in vitro*, 118, 599
- Adhesion molecules**, Effects of protein tyrosine kinase inhibitors on cytokine-induced adhesion molecule expression by human umbilical vein endothelial cells, 118, 1761
- Adipose tissue, human**, *In situ* assessment of the role of the β_1 -, β_2 - and β_3 -adrenoceptors in the control of lipolysis and nutritive blood flow in human subcutaneous adipose tissue, 117, 907
- Respective degree of expression of β_1 -, β_2 - and β_3 -adrenoceptors in human brown and white adipose tissues, 118, 929
- Adipsin**, Expression of β_3 -adrenoceptor mRNA in rat tissues, 117, 210
- ADP-ase**, Action of suramin upon ecto-apyrase activity and synaptic depression of *Torpedo* electric organ, 118, 1232
- ADP β S**, Study of the mechanisms involved in adenosine-5'-O-(2-thiodiphosphate) induced relaxation of rat thoracic aorta and pancreatic vascular bed, 118, 804
- Adrenal demedullation**, Influence of adrenodemedullation on β_2 - and β_3 -adrenoceptors mediating relaxation of oesophageal smooth muscle of spontaneously hypertensive rats, 119, 1355
- Adrenal glands**, Otilonium: a potent blocker of neuronal nicotinic ACh receptors in bovine chromaffin cells, 117, 463
- Adrenal medulla**, Co-existence of P_{2U} - and PPADS-insensitive P_{2U} -purinoceptors in endothelial cells from adrenal medulla, 119, 1223
- Adrenaline**, Antiarrhythmic action of rilmenidine on adrenaline-induced arrhythmia via central imidazoline receptors in halothane-anaesthetized dogs, 117, 1744
- Increase by adrenaline or angiotensin II of the accumulation of low density lipoprotein and fibrinogen by aortic walls in unrestrained conscious rats, 117, 1089
- Adrenergic responses**, Impaired arterial reactivity following cytomegalovirus infection in the immunosuppressed rat, 119, 637
- Adrenergic tone**, Mediation by nitric oxide of the indirect effects of adenosine on calcium current in rabbit heart pacemaker cells, 119, 1463
- Adrenoceptors**, The effect of ischaemia on endothelium-dependent vasodilatation and adrenoceptor-mediated vasoconstriction in rat isolated hearts, 117, 1047
- Regional haemodynamic effects of antagonists of angiotensin II, endothelin and adrenoceptors in conscious, vasopressin-deficient, genetically hypertensive rats, 118, 325
- Adrenoceptors, atypical**, Atypical responses of rat ileum to pindolol, cyanopindolol and iodocyanopindolol, 117, 712
- Adrenoceptor antagonists**, Evaluation of the pharmacological selectivity profile of α_1 adrenoceptor antagonists at prostatic α_1 adrenoceptors: binding, functional and *in vivo* studies, 118, 871
- α -Adrenoceptors**, Characterization of α_{1D} -adrenoceptor subtype in rat myocardium, aorta and other tissues, 119, 269
- A comparative study of the reversal by different α_2 -adrenoceptor antagonists of the central sympatho-inhibitory effect of clonidine, 117, 587
 - Unusual α -adrenoceptor subtype in canine saphenous vein: comparison to mesenteric vein, 117, 1535
- α -Adrenoceptor agonists**, Micturition in conscious rats with and without bladder outlet obstruction: role of spinal α_1 -adrenoceptors, 117, 962
- α -Adrenoceptor antagonists**, α -Adrenoceptor and opioid receptor modulation of clonidine-induced antinociception, 119, 551
- Micturition in conscious rats with and without bladder outlet obstruction: role of spinal α_1 -adrenoceptors, 117, 962
- α -Adrenoceptor subtypes**, Comparison of guinea-pig, bovine and rat α_1 -adrenoceptor subtypes, 117, 703
- α_1 -Adrenoceptors**, Analysis of the activity of α_1 -adrenoceptor antagonists in rat aorta, 118, 299
- Analysis of the effects of α_1 -adrenoceptor antagonists on noradrenaline-mediated contraction of rat small mesenteric artery, 118, 1308
 - Effect of N^G -nitro-L-arginine methylester (L-NAME) on functional and biochemical α_1 -adrenoceptor-mediated responses in rat blood vessels, 117, 757
 - The effects of SB 216469, an antagonist which discriminates between the α_{1A} -adrenoceptor and the human prostatic α_1 -adrenoceptor, 119, 1093
 - Endothelial modulation of α_1 -adrenoceptor contractile responses in the tail artery of spontaneously hypertensive rats, 119, 765
- Evaluation of the pharmacological selectivity profile of α_1 adrenoceptor antagonists at prostatic α_1 adrenoceptors: binding, functional and *in vivo* studies, 118, 871
 - Functional evidence of inverse agonism in vascular smooth muscle, 119, 158
 - The role of diacylglycerol and activation of protein kinase C in α_{1A} -adrenoceptor-mediated contraction to noradrenaline of rat isolated epididymal vas deferens, 117, 224
 - Sources of calcium and α_1 -adrenoceptor-mediated contraction in rat tail artery, 118, 2067
 - Stereoselective effects of the enantiomers, quinidine and quinine, on depolarization- and agonist-mediated responses in rat isolated aorta, 117, 105
- α_1 -Adrenoceptor subtypes**, Different subtypes of α_{1A} -adrenoceptor mediating contraction of rat epididymal vas deferens, rat hepatic portal vein and human prostate distinguished by the antagonist RS 17053, 119, 407
- Quantification and distribution of α_1 -adrenoceptor subtype mRNAs in human prostate: comparison of benign hypertrophied tissue and non-hypertrophied tissue, 119, 797
- α_1 -Adrenoceptor agonists**, Modulation of the hepatic α_1 -adrenoceptor responsiveness by colchicine: dissociation of free cytosolic Ca^{2+} -dependent and independent responses, 118, 1797
- α_1 -Adrenoceptor antagonists**, Analysis of the effects of α_1 -adrenoceptor antagonists on noradrenaline-mediated contraction of rat small mesenteric artery, 118, 1308
- The effect of S-(+)-boldine on the α_1 -adrenoceptor of the guinea-pig aorta, 119, 1305
 - A possible structural determinant of selectivity of boldine and derivatives for the α_{1A} -adrenoceptor subtype, 119, 1563
 - Rat pineal α_1 -adrenoceptor subtypes: studies using radioligand binding and reverse transcription-polymerase chain reaction analysis, 118, 1246
- α_{1A} -Adrenoceptors**, α_{1A} -Adrenoceptor polymorphism: pharmacological characterization and association with benign prostatic hypertrophy, 118, 1403
- α -Adrenoceptor mediated responses of the cauda epididymis of the guinea-pig, 119, 1203
 - Different subtypes of α_{1A} -adrenoceptor mediating contraction of rat epididymal vas deferens, rat hepatic portal vein and human prostate distinguished by the antagonist RS 17053, 119, 407
- α_{1B} -Adrenoceptors**, α -Adrenoceptor mediated responses of the cauda epididymis of the guinea-pig, 119, 1203
- α_{1D} -Adrenoceptors**, Characterization of α_{1D} -adrenoceptor subtype in rat myocardium, aorta and other tissues, 119, 269
- α_2 -Adrenoceptors**, Agmatine, an endogenous modulator of noradrenergic neurotransmission in the rat tail artery, 119, 677
- Altered thermoregulatory responses to clonidine in streptozotocin-diabetic rats, 117, 938
 - Antagonism by idazoxan at low dose but not high dose, of the natriuretic action of moxonidine, 117, 29
 - Evidence for functional α_{2D} -adrenoceptors in the rat intestine, 117, 787
 - The inhibitory effects of α_2 -adrenoceptor agonists on gastrointestinal transit during croton oil-induced intestinal inflammation, 119, 1649
 - Modulation of sexual behaviour in the rat by a potent and selective α_2 -adrenoceptor antagonist, delequamine (RS-15385-197), 118, 63
- α_2 -Adrenoceptors, prejunctional**, Modelling the changes induced by chronic desipramine treatment on the factors governing the agonism at prejunctional α_2 -adrenoceptors, 117, 1286
- α_2 -Adrenoceptor subtypes**, Evidence for functional α_{2D} -adrenoceptors in the rat intestine, 117, 787
- α_2 -Adrenoceptor agonists**, Evidence for functional α_{2D} -adrenoceptors in the rat intestine, 117, 787
- Modelling the changes induced by chronic desipramine treatment on the factors governing the agonism at prejunctional α_2 -adrenoceptors, 117, 1286
- α_2 -Adrenoceptor antagonists**, Evidence for functional α_{2D} -adrenoceptors in the rat intestine, 117, 787
- α_{2A} -Adrenoceptors**, Clonidine-induced increase in osmolar clearance and free water clearance via activation of two distinct α_2 -adrenoceptor sites, 119, 663

- α_2 -Adrenoceptors**, Adrenoceptor- and cholinceptor-mediated mechanisms in the regulation of 5-hydroxytryptamine release from isolated tracheae of newborn rabbits, 119, 91
- Clonidine-induced increase in osmolar clearance and free water clearance via activation of two distinct α_2 -adrenoceptor sites, 119, 663
- β -Adrenoceptors**, Adrenoceptor- and cholinceptor-mediated mechanisms in the regulation of 5-hydroxytryptamine release from isolated tracheae of newborn rabbits, 119, 91
- Biphasic effects of the β -adrenoceptor agonist, BRL 37344, on glucose utilization in rat isolated skeletal muscle, 117, 1355
 - Desipramine administration in the olfactory bulbectomized rat: changes in brain β -adrenoceptor and 5-HT_{2A} binding sites and their relationship to behaviour, 117, 1481
 - Effects of ranolazine on L-type calcium channel currents in guinea-pig single ventricular myocytes, 118, 249
 - Impaired activation of adenylyl cyclase in lung of the Basenji-greyhound model of airway hyperresponsiveness: decreased numbers of high affinity β -adrenoceptors, 118, 2009
 - Influence of dopamine as noradrenaline precursor on the secretory function of the bovine corpus luteum *in vitro*, 118, 1669
 - Respective degree of expression of β_1 -, β_2 - and β_3 -adrenoceptors in human brown and white adipose tissues, 118, 929
- β -Adrenoceptors, atypical**, Characteristics of cyanopindolol analogues active at the β_3 -adrenoceptor in rat ileum, 119, 564
- Expression of β_3 -adrenoceptor mRNA in rat tissues, 117, 210
 - Functional identification of rat atypical β -adrenoceptors by the first β_3 -selective antagonist, aryloxypropanolaminotetralins, 117, 435
 - Mediation of the positive chronotropic effect of CGP 12177 and cyanopindolol in the pithed rat by atypical β -adrenoceptors, different from β_3 -adrenoceptors, 117, 943
- β -Adrenoceptor agonists**, Effects of RP 73401, a novel, potent and selective phosphodiesterase type 4 inhibitor, on contractility of human, isolated bronchial muscle, 118, 1939
- Extent of salmeterol-mediated reassertion of relaxation in guinea-pig trachea pretreated with aliphatic side chain structural analogues, 117, 1009
- β -Adrenoceptor antagonists**, Capsinolol: the first β -adrenoceptor blocker with an associated calcitonin gene-related peptide releasing activity in the heart, 119, 7
- Effects of β -adrenoceptor antagonists on Ca²⁺-overload induced by lysophosphatidylcholine in rat isolated cardiomyocytes, 118, 865
 - Some effects of nipradilol, a β -antagonist possessing a nitroxy group, on smooth muscle of the pig coronary artery, 117, 1707
- β_1 -Adrenoceptors**, *In situ* assessment of the role of the β_1 -, β_2 - and β_3 -adrenoceptors in the control of lipolysis and nutritive blood flow in human subcutaneous adipose tissue, 117, 907
- The inhibitory effects of iberiotoxin and 4-aminopyridine on the relaxation induced by β_1 - and β_2 -adrenoceptor activation in rat aortic rings, 119, 505
- β_2 -Adrenoceptors**, *In situ* assessment of the role of the β_1 -, β_2 - and β_3 -adrenoceptors in the control of lipolysis and nutritive blood flow in human subcutaneous adipose tissue, 117, 907
- Influence of adrenomedullation on β_2 - and β_3 -adrenoceptors mediating relaxation of oesophageal smooth muscle of spontaneously hypertensive rats, 119, 1355
 - The inhibitory effects of iberiotoxin and 4-aminopyridine on the relaxation induced by β_1 - and β_2 -adrenoceptor activation in rat aortic rings, 119, 505
- β_2 -Adrenoceptor agonists**, Effects of agents which elevate cyclic AMP on guinea-pig eosinophil homotypic aggregation, 118, 2099
- β_3 -Adrenoceptors**, Atypical responses of rat ileum to pindolol, cyanopindolol and iodocyanopindolol, 117, 712
- (-)-CGP 12177-induced increase of human atrial contraction through a putative third β -adrenoceptor, 117, 93
 - Characteristics of cyanopindolol analogues active at the β_3 -adrenoceptor in rat ileum, 119, 564
 - Comparison of the profiles of agonists as stimulants of the β_3 -adrenoceptor *in vitro* with their gastroprotective effects in the conscious rat, 117, 580
 - Differences between the third cardiac β -adrenoceptor and the colonic β_3 -adrenoceptor in the rat, 118, 2085
- Expression of β_3 -adrenoceptor mRNA in rat tissues, 117, 210
 - Functional evidence of atypical β_3 -adrenoceptors in the human colon using the β_3 -selective adrenoceptor antagonist, SR 59230A, 117, 1374
 - Functional identification of rat atypical β -adrenoceptors by the first β_3 -selective antagonist, aryloxypropanolaminotetralins, 117, 435
 - Functional interactions between muscarinic M₂ receptors and 5-hydroxytryptamine (5-HT)₄ receptors and β_3 -adrenoceptors in isolated oesophageal muscularis mucosae of the rat, 119, 595
 - *In situ* assessment of the role of the β_1 -, β_2 - and β_3 -adrenoceptors in the control of lipolysis and nutritive blood flow in human subcutaneous adipose tissue, 117, 907
 - Influence of adrenomedullation on β_2 - and β_3 -adrenoceptors mediating relaxation of oesophageal smooth muscle of spontaneously hypertensive rats, 119, 1355
 - Mediation of the positive chronotropic effect of CGP 12177 and cyanopindolol in the pithed rat by atypical β -adrenoceptors, different from β_3 -adrenoceptors, 117, 943
- β_3 -Adrenoceptors, atypical**, Expression of β_3 -adrenoceptor mRNA in rat tissues, 117, 210
- β_3 -Adrenoceptor agonists**, Biphasic effects of the β -adrenoceptor agonist, BRL 37344, on glucose utilization in rat isolated skeletal muscle, 117, 1355
- Comparison of the profiles of agonists as stimulants of the β_3 -adrenoceptor *in vitro* with their gastroprotective effects in the conscious rat, 117, 580
 - Differences between the third cardiac β -adrenoceptor and the colonic β_3 -adrenoceptor in the rat, 118, 2085
- β_3 -Adrenoceptor antagonists**, Differences between the third cardiac β -adrenoceptor and the colonic β_3 -adrenoceptor in the rat, 118, 2085
- Functional evidence of atypical β_3 -adrenoceptors in the human colon using the β_3 -selective adrenoceptor antagonist, SR 59230A, 117, 1374
 - Functional identification of rat atypical β -adrenoceptors by the first β_3 -selective antagonist, aryloxypropanolaminotetralins, 117, 435
- Adrenomedullin**, Effects of adrenomedullin and calcitonin gene-related peptide on airway and pulmonary vascular smooth muscle in guinea-pigs, 119, 1477
- AG1288**, Tumour necrosis factor- α -induced ICAM-1 expression in human vascular endothelial and lung epithelial cells: modulation by tyrosine kinase inhibitors, 119, 1149
- Agatoxins**, Effects of N-, P- and Q-type neuronal calcium channel antagonists on mammalian peripheral neurotransmission, 119, 49
- Inhibition of neuromuscular transmission in the myenteric plexus of guinea-pig ileum by ω -conotoxins GVIA, MVIIA, MVIIC and SVIB, 118, 797
- Ageing**, Protection of the aged substantia nigra of the rat against oxidative damage by (-)-deprenyl, 117, 1756
- Aggregation**, Effects of agents which elevate cyclic AMP on guinea-pig eosinophil homotypic aggregation, 118, 2099
- Agmatine**, Agmatine, an endogenous modulator of noradrenergic neurotransmission in the rat tail artery, 119, 677
- Elevation of cytosolic calcium by imidazolines in mouse islets of Langerhans: implications for stimulus-response coupling of insulin release, 119, 911
- AGN 191976**, Evidence for human thromboxane receptor heterogeneity using a novel series of 9,11-cyclic carbonate derivatives of prostaglandin F₂ α , 117, 1171
- AGN 192093**, Evidence for human thromboxane receptor heterogeneity using a novel series of 9,11-cyclic carbonate derivatives of prostaglandin F₂ α , 117, 1171
- Agonist efficacy**, Selection of distinct conformational states of the 5-HT₃ receptor by full and partial agonists, 117, 839
- Air pouch, rat**, Involvement of secretory phospholipase A₂ activity in the zymosan rat air pouch model of inflammation, 117, 1773
- Airway disease, allergic**, The inhibition of antigen-induced eosinophilia and bronchoconstriction by CDP840, a novel stereo-selective inhibitor of phosphodiesterase type 4, 118, 1183
- Airways**, Effects of theophylline and rolipram on antigen-induced airway responses in neonatally immunized rabbits, 117, 1405
- Airways, guinea-pig**, Involvement of hydroxyl radicals in neurogenic airway plasma exudation and bronchoconstriction in guinea-pigs *in vivo*, 117, 449

- Involvement of NK₂ receptors rather than NK₁ receptors in bronchial hyperresponsiveness induced by allergic reaction in guinea-pigs, 117, 443
- Airways, hyperresponsiveness**, Characterization of adenosine receptors involved in adenosine-induced bronchoconstriction in allergic rabbits, 119, 1262
- Deficiency of nitric oxide in allergen-induced airway hyperreactivity to contractile agonists after the early asthmatic reaction: an *ex vivo* study, 119, 1109
- Effect of dexamethasone and endogenous corticosterone on airway hyperresponsiveness and eosinophilia in the mouse, 119, 1484
- Effect of the glucocorticosteroid budesonide and a novel phosphodiesterase type 4 inhibitor CDP840 on antigen-induced airway responses in neonatally immunised rabbits, 118, 1201
- Inhibition of bronchospasm and ozone-induced airway hyperresponsiveness in the guinea-pig by CDP840, a novel phosphodiesterase type 4 inhibitor, 118, 1192
- Airways, nasal**, Attenuation of human nasal airway responses to bradykinin and histamine by inhibitors of nitric oxide synthase, 118, 1177
- Airways, nasal, human**, Characterization of the bradykinin receptor in the human nasal airway using the binding of [¹²⁵I]-Hoe 140, 119, 1054
- Airways obstruction**, Effects of local and systemic budesonide on allergen-induced airway reactions in the pig, 118, 989
- Airways relaxation**, Effects of SCA40 on human isolated bronchus and human polymorphonuclear leukocytes: comparison with rolipram, SKF94120 and levcromakalim, 119, 99
- Alanine aminotransferase**, Species specificity in the blood cholesterol-lowering effect of YM-16638, 118, 174
- β-Alanine**, Effects of γ-aminobutyric acid (GABA) agonists and GABA uptake inhibitors on pharmacosensitive and pharmacoresistant epileptiform activity *in vitro*, 119, 569
- Alarmone**, Diadenosine tetraphosphate-induced inhibition of ATP-sensitive K⁺ channels in patches excised from ventricular myocytes, 117, 233
- Albumin**, The influence of moderate hypoalbuminaemia on the renal metabolism and dynamics of furosemide in the rabbit, 119, 885
- Alcohols**, Actions of general anaesthetics on 5-HT₃ receptors in N1E-115 neuroblastoma cells, 117, 1507
- Actions of long chain alcohols on GABA_A and glutamate receptors: relation to *in vivo* effects, 118, 378
- Enhancement of homomeric glycine receptor function by long-chain alcohols and anaesthetics, 119, 1331
- Allergens**, Characterization of adenosine receptors involved in adenosine-induced bronchoconstriction in allergic rabbits, 119, 1262
- Deficiency of nitric oxide in allergen-induced airway hyperreactivity to contractile agonists after the early asthmatic reaction: an *ex vivo* study, 119, 1109
- Involvement of NK₂ receptors rather than NK₁ receptors in bronchial hyperresponsiveness induced by allergic reaction in guinea-pigs, 117, 443
- Allergies**, Effects of local and systemic budesonide on allergen-induced airway reactions in the pig, 118, 989
- Involvement of prostaglandins in the down-regulation of allergic plasma leakage observed in rats undergoing pleural eosinophilia, 118, 2192
- Allopregnanolone**, Functional correlation between allopregnanolone and [³⁵S]-TBPS binding in the brain of rats exposed to isoniazid, pentylene-tetrazol or stress, 118, 839
- Allosteric modulation**, Regionally different *N*-methyl-D-aspartate receptors distinguished by ligand binding and quantitative autoradiography of [³H]-CGP 39653 in rat brain, 119, 819
- (+)-*N*-Allylnormetazocine ((+)-SKF 10047)**, Effects of sigma ligands on the cloned μ-, δ- and κ-opioid receptors co-expressed with G-protein-activated K⁺ (GIRK) channel in *Xenopus* oocytes, 119, 73
- AM 630**, Evidence for the presence of cannabinoid CB₁ receptors in mouse urinary bladder, 118, 2053
- Further evidence for the presence of cannabinoid CB₁ receptors in guinea-pig small intestine, 118, 2199
- Amastatin**, Direct positive chronotropic effects of angiotensin II and angiotensin III in pithed rats and in rat isolated atria, 118, 1653
- Amiloride**, Effect of the Na⁺/H⁺ antiport inhibitor Hoe 694 on the angiotensin II-induced vascular smooth muscle cell growth, 119, 787
- Amine uptake**, Binding and competitive inhibition of amine uptake at postsynaptic neurones (transport-P) by tricyclic antidepressants, 117, 811
- Functional properties of the uptake of amines in immortalised peptidergic neurones (transport-P), 117, 111
- Amino acid uptake**, Comparison of the autoradiographic binding distribution of [³H]-gabapentin with excitatory amino acid receptor and amino acid uptake site distributions in rat brain, 118, 457
- 1-Aminobenzotriazole**, Inhibition of the contraction of the ductus arteriosus to oxygen by 1-aminobenzotriazole, a mechanism-based inactivator of cytochrome P450, 117, 1586
- 1-Amino-cyclopentane-1S**, Stimulatory effects of the putative metabotropic glutamate receptor antagonist L-AP3 on phosphoinositide turnover in neonatal rat cerebral cortex, 117, 1309
- Aminoguanidine**, Attenuation of endotoxin-induced multiple organ dysfunction by 1-amino-2-hydroxy-guanidine, a potent inhibitor of inducible nitric oxide synthase, 118, 261
- Influence of aminoguanidine and the endothelin antagonist, SB 209670, on the regional haemodynamic effects of endotoxaemia in conscious rats, 118, 1822
- 2-Amino-4-methylpyridine**, 2-Amino-4-methylpyridine as a potent inhibitor of inducible NO synthase activity *in vitro* and *in vivo*, 119, 1101
- Aminopotentidine**, Cardiac and gastric effects of histamine H₂ receptor antagonists: no evidence for a correlation between lipophilicity and receptor affinity, 118, 1813
- 4-Aminopyridine**, The effects of anticonvulsants on 4-aminopyridine-induced bursting: *in vitro* studies on rat peripheral nerve and dorsal roots, 117, 573
- Effects of some K⁺-channel inhibitors on the electrical behaviour of guinea-pig isolated trachealis and on its responses to spasmogenic drugs, 117, 1653
- Amiodarone**, Comparison of the chronic and acute effects of amiodarone on the calcium and potassium currents in rabbit isolated cardiac myocytes, 117, 1181
- Effects of class III antiarrhythmic drugs on the Na⁺-activated K⁺ channels in guinea-pig ventricular cells, 119, 133
- Amitriptyline**, Inhibitory effect of noradrenaline uptake inhibitors on contractions of rat aortic smooth muscle, 117, 533
- Amlodipine**, Effect of amlodipine on renin secretion and renin gene expression in rats, 119, 744
- AMPA**, Actions of long chain alcohols on GABA_A and glutamate receptors: relation to *in vivo* effects, 118, 378
- AMPA receptors**, Allosteric interactions between cyclothiazide and AMPA/kainate receptor antagonists, 117, 1663
- Desensitization of AMPA receptors and AMPA–NMDA receptor interaction: an *in vivo* cyclic GMP microdialysis study in rat cerebellum, 117, 1133
- *In vivo* microdialysis study of a specific inhibitor of soluble guanylyl cyclase on the glutamate receptor/nitric oxide/cyclic GMP pathway, 119, 590
- Interactions of 2,3-benzodiazepines and cyclothiazide at AMPA receptors: patch clamp recordings in cultured neurones and area CA1 in hippocampal slices, 117, 1209
- Amphetamines**, Inhibition by amphetamine of testosterone secretion through a mechanism involving an increase of cyclic AMP production in rat testes, 118, 984
- Amylin**, Different pharmacological characteristics in L₆ and C₂C₁₂ muscle cells and intact rat skeletal muscle for amylin, CGRP and calcitonin, 117, 847
- Effect of (8–32) salmon calcitonin, an amylin antagonist, on insulin, glucagon and somatostatin release: study in the perfused pancreas of the rat, 117, 347
- Amylin antagonists**, Multiple receptors for calcitonin gene-related peptide and amylin on guinea-pig ileum and vas deferens, 117, 1362
- Amylin receptors**, Multiple receptors for calcitonin gene-related peptide and amylin on guinea-pig ileum and vas deferens, 117, 1362
- Amyrin**, Acetyl-11-keto-β-boswellic acid (AKBA): structure requirements for binding and 5-lipoxygenase inhibitory activity, 117, 615
- Anaesthetics**, Actions of general anaesthetics on 5-HT₃ receptors in N1E-

- 115 neuroblastoma cells, 117, 1507
- Antiarrhythmic action of rilmenidine on adrenaline-induced arrhythmia via central imidazoline receptors in halothane-anaesthetized dogs, 117, 1744
 - Effects of inhalational general anaesthetics on native glycine receptors in rat medullary neurones and recombinant glycine receptors in *Xenopus* oocytes, 118, 493
 - Enhancement of homomeric glycine receptor function by long-chain alcohols and anaesthetics, 119, 1331
 - Inhibition by propofol of [³H]-batrachotoxinin-A 20- α -benzoate binding to voltage-dependent sodium channels in rat cortical synaptosomes, 119, 1498
 - Potentiation of chloride responses to glycine by three 5-HT₃ antagonists in rat spinal neurones, 118, 2115
 - Potentiation by sevoflurane of the γ -aminobutyric acid-induced chloride current in acutely dissociated CA1 pyramidal neurones from rat hippocampus, 119, 1013
 - Propofol regulation of calcium entry pathways in cultured A10 and rat aortic smooth muscle cells, 117, 5
- Analgesia**, Effects of competitive and noncompetitive antagonists of the *N*-methyl-D-aspartate receptor on the analgesic action of δ_1 - and δ_2 -opioid receptor agonists in mice, 119, 1586
- Effects of a partial agonist and a full antagonist acting at the glycine site of the NMDA receptor on inflammation-induced mechanical hyperalgesia in rats, 117, 1487
 - Influence of pertussis toxin on the calcitonin-opioid interaction in isolated tissues, 119, 804
- Anandamide**, Inhibition of exocytotic noradrenaline release by presynaptic cannabinoid CB₁ receptors on peripheral sympathetic nerves, 118, 2023
- Physiological and behavioural effects of the endogenous cannabinoid, arachidonylethanolamide (anandamide), in the rat, 119, 107
- Angiogenesis**, Comparative studies of the angiogenic activity of vasoactive intestinal peptide, endothelins-1 and -3 and angiotensin II in a rat sponge model, 117, 545
- Differential effects of angiostatic steroids and dexamethasone on angiogenesis and cytokine levels in rat sponge implants, 118, 1584
- Angioplasty**, Antiproliferative and *c-myc* mRNA suppressive effects of tranilast on newborn human vascular smooth muscle cells in culture, 118, 915
- Angiotensin**, Interaction of biphenylimidazole and imidazoleacrylic acid nonpeptide antagonists with valine 108 in TM III of the AT₁ angiotensin receptor, 119, 1505
- Synthetic inhibitors of endopeptidase EC 3.4.24.15: potency and stability *in vitro* and *in vivo*, 118, 1269
- Angiotensin (1–7)**, Direct positive chronotropic effects of angiotensin II and angiotensin III in pithed rats and in rat isolated atria, 118, 1653
- Angiotensin receptors**, Interaction of biphenylimidazole and imidazoleacrylic acid nonpeptide antagonists with valine 108 in TM III of the AT₁ angiotensin receptor, 119, 1505
- Angiotensin receptor antagonists**, Interaction of biphenylimidazole and imidazoleacrylic acid nonpeptide antagonists with valine 108 in TM III of the AT₁ angiotensin receptor, 119, 1505
- Angiotensin AT₁ receptors**, Ability of angiotensin II to modulate striatal dopamine release via the AT₁ receptor *in vitro* and *in vivo*, 118, 414
- Alterations of cyclo-oxygenase products and NO in responses to angiotensin II of resistance arteries from the spontaneously hypertensive rat, 119, 1635
 - Angiotensin II receptor expression and inhibition in the chronically hypoxic rat lung, 119, 1217
 - Effects of an AT₁ receptor antagonist, an ACE inhibitor and a calcium channel antagonist on cardiac gene expressions in hypertensive rats, 118, 549
 - Further investigations into the mechanism of the antihypertensive activity of the angiotensin AT₁ receptor antagonist, GR138950, 118, 711
 - Modulation by locally produced luminal angiotensin II of proximal tubular sodium reabsorption via an AT₁ receptor, 119, 617
 - Potentiation of purinergic transmission by angiotensin in prostatic rat vas deferens, 118, 1523
 - Subtypes of losartan-sensitive angiotensin receptor in the rabbit pulmonary artery, 117, 1504
- Angiotensin AT₁ receptor subtypes**, Subtypes of losartan-sensitive angiotensin receptor in the rabbit pulmonary artery, 117, 1504
- Angiotensin AT₁ receptor antagonists**, Comparison of angiotensin II type 1 receptor blockade and angiotensin-converting enzyme inhibition in pregnant sheep during late gestation, 119, 393
- Further investigations into the mechanism of the antihypertensive activity of the angiotensin AT₁ receptor antagonist, GR138950, 118, 711
- Angiotensin AT₂ receptor antagonists**, Assessment of the role of the renin-angiotensin system in cardiac contractility utilizing the renin inhibitor remikiren, 117, 891
- Angiotensin-converting enzymes**, Inhibitory effects of fluvastatin, a new HMG-CoA reductase inhibitor, on the increase in vascular ACE activity in cholesterol-fed rabbits, 119, 1269
- Role of bradykinin receptors in the renal effects of inhibition of angiotensin converting enzyme and endopeptidases 24.11 and 24.15 in conscious rabbits, 119, 365
 - Synthetic inhibitors of endopeptidase EC 3.4.24.15: potency and stability *in vitro* and *in vivo*, 118, 1269
- Angiotensin-converting enzyme inhibitors**, Comparison of angiotensin II type 1 receptor blockade and angiotensin-converting enzyme inhibition in pregnant sheep during late gestation, 119, 393
- Effects of an AT₁ receptor antagonist, an ACE inhibitor and a calcium channel antagonist on cardiac gene expressions in hypertensive rats, 118, 549
 - Renal effects of concurrent E-24.11 and ACE inhibition in the aorto-venocaval fistula rat, 119, 943
 - The role of the endocardium in the facilitatory effect of bradykinin on electrically-induced release of noradrenaline in rat cardiac ventricle, 118, 364
- Angiotensin I**, Further investigations into the mechanism of the antihypertensive activity of the angiotensin AT₁ receptor antagonist, GR138950, 118, 711
- Angiotensin-I-converting enzymes**, Endothelium-dependent relaxation and hyperpolarization evoked by bradykinin in canine coronary arteries: enhancement by exercise-training, 117, 413
- Angiotensin II**, Ability of angiotensin II to modulate striatal dopamine release via the AT₁ receptor *in vitro* and *in vivo*, 118, 414
- Angiotensin II receptors involved in the enhancement of noradrenergic transmission in the caudal artery of the spontaneously hypertensive rat, 119, 965
 - Angiotensin II-activated Ca²⁺ entry-induced release of Ca²⁺ from intracellular stores in rat portal vein myocytes, 118, 73
 - Angiotensin II-elicited signal transduction via AT₁ receptors in endothelial cells, 118, 79
 - Assessment of the role of the renin-angiotensin system in cardiac contractility utilizing the renin inhibitor remikiren, 117, 891
 - Characterization of the anatomical structures involved in the contractile response of the rat lung periphery, 118, 734
 - Comparative studies of the angiogenic activity of vasoactive intestinal peptide, endothelins-1 and -3 and angiotensin II in a rat sponge model, 117, 545
 - Comparison of angiotensin II type 1 receptor blockade and angiotensin-converting enzyme inhibition in pregnant sheep during late gestation, 119, 393
 - Direct positive chronotropic effects of angiotensin II and angiotensin III in pithed rats and in rat isolated atria, 118, 1653
 - The effect of forskolin on 5-HT₁-like and angiotensin II-induced vasoconstriction and cyclic AMP content of the rabbit isolated femoral artery, 118, 627
 - Effect of the Na⁺/H⁺ antiport inhibitor Hoe 694 on the angiotensin II-induced vascular smooth muscle cell growth, 119, 787
 - Further investigations into the mechanism of the antihypertensive activity of the angiotensin AT₁ receptor antagonist, GR138950, 118, 711
 - Increase by adrenaline or angiotensin II of the accumulation of low density lipoprotein and fibrinogen by aortic walls in unrestrained conscious rats, 117, 1089
 - Influence of aminoguanidine and the endothelin antagonist, SB 209670, on the regional haemodynamic effects of endotoxaemia in conscious rats, 118, 1822

- Modification of aortic contractility in the cardiomyopathic hamster, 118, 1141
- Modulation by locally produced luminal angiotensin II of proximal tubular sodium reabsorption via an AT₁ receptor, 119, 617
- Modulation by nitric oxide and prostaglandin of the renal vascular response to angiotensin II (3–8), 117, 885
- Multiple prejunctional actions of angiotensin II on noradrenergic transmission in the caudal artery of the rat, 119, 976
- Potentiation of purinergic transmission by angiotensin in prostatic rat vas deferens, 118, 1523
- Reciprocal inhibition of nitric oxide and prostacyclin synthesis in human saphenous vein, 118, 643
- Regional haemodynamic effects of antagonists of angiotensin II, endothelin and adrenoceptors in conscious, vasopressin-deficient, genetically hypertensive rats, 118, 325
- Temporal differences between the involvement of angiotensin II and endothelin in the cardiovascular responses to endotoxaemia in conscious rats, 119, 1619
- Angiotensin II receptors**, Angiotensin II receptors involved in the enhancement of noradrenergic transmission in the caudal artery of the spontaneously hypertensive rat, 119, 965
- Angiotensin II-elicited signal transduction via AT₁ receptors in endothelial cells, 118, 79
- Multiple prejunctional actions of angiotensin II on noradrenergic transmission in the caudal artery of the rat, 119, 976
- Angiotensin II receptor antagonists**, Angiotensin II-elicited signal transduction via AT₁ receptors in endothelial cells, 118, 79
- Angiotensin II (3–8)**, Modulation by nitric oxide and prostaglandin of the renal vascular response to angiotensin II (3–8), 117, 885
- Angiotensin III**, Direct positive chronotropic effects of angiotensin II and angiotensin III in pithed rats and in rat isolated atria, 118, 1653
- Angiotensin IV**, Direct positive chronotropic effects of angiotensin II and angiotensin III in pithed rats and in rat isolated atria, 118, 1653
- Annexin-1**, Acute inflammatory response in the mouse: exacerbation by immunoneutralization of lipocortin 1, 117, 1145
- Measurement of lipocortin 1 levels in murine peripheral blood leukocytes by flow cytometry: modulation by glucocorticoids and inflammation, 118, 605
- The role of lipocortin-1 in dexamethasone-induced suppression of PGE₂ and TNF α release from human peripheral blood mononuclear cells, 117, 1449
- Anococcygeus muscle**, Antioxidant protection of NO-induced relaxations of the mouse anococcygeus against inhibition by superoxide anions, hydroquinone and carboxy-PTIO, 119, 432
- Evidence for two distinct P₂-purinoceptors subserving contraction of the rat anococcygeus smooth muscle, 118, 537
- Force and intracellular Ca²⁺ during cyclic nucleotide-mediated relaxation of rat anococcygeus muscle and the effects of cyclopiazonic acid, 119, 1029
- Inhibition of nitrergic relaxations by a selective inhibitor of the soluble guanylate cyclase, 118, 137
- Inhibition of NO-mediated responses by 7-ethoxyresorufin, a substrate and competitive inhibitor of cytochrome P₄₅₀, 118, 57
- Inhibition by sodium nitroprusside of a calcium store depletion-activated non-selective cation current in smooth muscle cells of the mouse anococcygeus, 118, 2001
- Two distinct membrane currents activated by cyclopiazonic acid-induced calcium store depletion in single smooth muscle cells of the mouse anococcygeus, 117, 566
- Anoxia**, Differential presynaptic modulation of noradrenaline release in human atrial tissue in normoxia and anoxia, 118, 1855
- Anthracene-9-carboxylic acid**, Activation of potassium currents by inhibitors of calcium-activated chloride conductance in rabbit portal vein smooth muscle cells, 118, 513
- Anthracycline**, Development of the model of rat isolated perfused heart for the evaluation of anthracycline cardiotoxicity and its circumvention, 117, 1593
- Antiangiogenesis**, The effect of linomide on the migration and the proliferation of capillary endothelial cells elicited by vascular endothelial growth factor, 119, 619
- Antiarrhythmic drugs**, Block of pancreatic ATP-sensitive K⁺ channels and insulinotropic action by the antiarrhythmic agent, cibenzoline, 117, 1749
- Cisapride-induced prolongation of cardiac action potential and early afterdepolarizations in rabbit Purkinje fibres, 117, 1377
- Effects of class III antiarrhythmic drugs on the Na⁺-activated K⁺ channels in guinea-pig ventricular cells, 119, 133
- Effects of tedisamil (KC-8857) on cardiac electrophysiology and ventricular fibrillation in the rabbit isolated heart, 117, 1261
- I_K independent class III actions of MS-551 compared with sematilide and dofetilide during reperfusion in anaesthetized rats, 119, 937
- Antiasthmatic drugs**, Anti-inflammatory effects of theophylline, cromolyn and salbutamol in a murine model of pleurisy, 118, 811
- The inhibition of antigen-induced eosinophilia and bronchoconstriction by CDP840, a novel stereo-selective inhibitor of phosphodiesterase type 4, 118, 1183
- Antibiotics**, Exogenous pulmonary surfactant as a drug delivering agent: influence of antibiotics on surfactant activity, 118, 593
- Increase in insulin release from rat pancreatic islets by quinolone antibiotics, 117, 372
- Pulmonary surfactant as vehicle for intratracheally instilled tobramycin in mice infected with *Klebsiella pneumoniae*, 119, 1145
- Antibodies**, Facilitation of imipramine efflux from the brain by systemic specific antibodies, 118, 2152
- Anticonvulsants**, Lack of anticonvulsant tolerance and benzodiazepine receptor down regulation with imidazenil in rats, 117, 647
- Stimulation of 5-HT_{1A} receptors in the dorsal hippocampus and inhibition of limbic seizures induced by kainic acid in rats, 119, 813
- Antidepressants**, Desipramine administration in the olfactory bulbectomized rat: changes in brain β -adrenoceptor and 5-HT_{2A} binding sites and their relationship to behaviour, 117, 1481
- Modelling the changes induced by chronic desipramine treatment on the factors governing the agonism at prejunctional α_2 -adrenoceptors, 117, 1286
- Antigens**, Effects of theophylline and rolipram on antigen-induced airway responses in neonatally immunized rabbits, 117, 1405
- Anti-inflammatory drugs**, Acetyl-11-keto- β -boswellic acid (AKBA): structure requirements for binding and 5-lipoxygenase inhibitory activity, 117, 615
- Differential effects of angiostatic steroids and dexamethasone on angiogenesis and cytokine levels in rat sponge implants, 118, 1584
- The inhibition of antigen-induced eosinophilia and bronchoconstriction by CDP840, a novel stereo-selective inhibitor of phosphodiesterase type 4, 118, 1183
- Intraplantar morphine depresses spinal c-Fos expression induced by carrageenin inflammation but not by noxious heat, 118, 671
- Antimicrobial agents**, Exogenous pulmonary surfactant as a drug delivering agent: influence of antibiotics on surfactant activity, 118, 593
- Antimigraine drugs**, Blockade of porcine carotid vascular responses to sumatriptan by GR127935, a selective 5-HT_{1D} receptor antagonist, 118, 85
- Antinociception**, α -Adrenoceptor and opioid receptor modulation of clonidine-induced antinociception, 119, 551
- Central B₂ receptor involvement in the antinociceptive effect of bradykinin in rats, 118, 1488
- Effect of CCK receptor antagonists on the antinociceptive, reinforcing and gut motility properties of morphine, 118, 1317
- Inhibition of nitric oxide synthase by 1-(2-trifluoromethylphenyl)imidazole (TRIM) *in vitro*: antinociceptive and cardiovascular effects, 119, 423
- Inhibitory action of nociceptin on spinal dorsal horn neurones of the rat, *in vivo*, 118, 1875
- Role of protein kinase C in desensitization of spinal δ -opioid-mediated antinociception in the mouse, 118, 1829
- Antioxidants**, Inhibition by antioxidants of nitric oxide synthase expression in murine macrophages: role of nuclear factor kB and interferon regulatory factor 1, 118, 2178
- Protection of low density lipoprotein oxidation at chemical and cellular level by the antioxidant drug dipyrindamole, 119, 1438
- Antiparkinson drugs**, Antagonism of striatal muscarinic receptors inhibiting dopamine D₁ receptor-stimulated adenylyl cyclase activity by cholinergic antagonists used to treat Parkinson's disease, 118, 827

- Antipsychotic drugs**, The relaxant 5-HT receptor in the dog coronary artery smooth muscle: pharmacological resemblance to the cloned 5-HT₂ receptor subtype, **118**, 1421
- Antipyrine**, Pharmacokinetics of phenazone (antipyrine) in rabbits with experimental common bile duct obstruction, **117**, 1
- Antisense oligodeoxynucleotides**, Effects of phosphorothioated neuro-peptide Y Y₁-receptor antisense oligodeoxynucleotide in conscious rats and in human vessels, **118**, 131
- Antispasmodic drugs**, Functional evidence of atypical β_3 -adrenoceptors in the human colon using the β_3 -selective adrenoceptor antagonist, SR 59230A, **117**, 1374
- Antithrombotic agents**, Inhibition of PAF synthesis by stimulated human polymorphonuclear leucocytes with cloricromene, an inhibitor of phospholipase A₂ activation, **118**, 1351
- Antitussive effect**, Effects of levodropropizine on vagal afferent C-fibres in the cat, **117**, 853
- Anxiety**, Effects of the 5-HT_{2B} receptor agonist, BW 723C86, on three rat models of anxiety, **117**, 1443
- *In vitro* and *in vivo* profile of SB 206553, a potent 5-HT_{2C}/5-HT_{2B} receptor antagonist with anxiolytic-like properties, **117**, 427
- Aorta**, Cardiovascular effects of a novel, potent and selective phosphodiesterase 5 inhibitor, DMPPO: *in vitro* and *in vivo* characterization, **118**, 1377
- Characterization of α_{1D} -adrenoceptor subtype in rat myocardium, aorta and other tissues, **119**, 269
 - Effect of treatment with cholecalciferol on the membrane potential and contractility of aortae from spontaneously hypertensive rats, **118**, 1367
 - Endothelin-1-induced contraction in isolated aortae from normotensive and DOCA-salt hypertensive rats: effect of magnesium, **119**, 1367
 - Evidence for human thromboxane receptor heterogeneity using a novel series of 9,11-cyclic carbonate derivatives of prostaglandin F₂ α , **117**, 1171
 - Evidence for *N*-acetylcysteine-sensitive nitric oxide storage as dinitrosyl-iron complexes in lipopolysaccharide-treated rat aorta, **119**, 1281
 - Increased activity of guanylate cyclase in the atherosclerotic rabbit aorta: role of non-endothelial nitric oxide synthases, **119**, 1233
 - Inhibition by SK&F96365 of NO-mediated relaxation induced by Ca²⁺-ATPase inhibitors in rat thoracic aorta, **117**, 1544
 - The inhibitory effects of iberiotoxin and 4-aminopyridine on the relaxation induced by β_1 - and β_2 -adrenoceptor activation in rat aortic rings, **119**, 505
 - The involvement of the endothelium in the relaxation of the leopard frog (*Rana pipiens*) aorta in response to acetylcholine, **118**, 1518
 - Ionic mechanisms contributing to the vasorelaxant properties of iodinated contrast media: a comparison of iohexol and iodixanol in the rabbit isolated aorta, **119**, 685
 - Modification of aortic contractility in the cardiomyopathic hamster, **118**, 1141
 - Rhythmic relaxations of active tension in the rabbit large arteries induced by a combination of cyclopiazonic acid and Bay K 8644, **118**, 233
- Aorta, frog**, The effects of purine compounds on the isolated aorta of the frog *Rana temporaria*, **117**, 873
- Aorta, guinea-pig**, The effect of *S*(+)-boldine on the α_1 -adrenoceptor of the guinea-pig aorta, **119**, 1305
- Aorta, human**, Endothelin receptors in human coronary artery and aorta, **117**, 986
- Aorta, rabbit**, Mechanotransduction through the endothelial cytoskeleton: mediation of flow- but not agonist-induced EDRF release, **118**, 720
- Aorta, rat**, Activation of multiple sites by adenosine analogues in the rat isolated aorta, **118**, 1509
- Analysis of the activity of α_1 -adrenoceptor antagonists in rat aorta, **118**, 299
 - Dissociation of P₂ purinoceptor-mediated increase in intracellular Ca²⁺ level from myosin light chain phosphorylation and contraction in rat aorta, **118**, 543
 - Effect of *N*^G-nitro-L-arginine methylester (L-NAME) on functional and biochemical α_1 -adrenoceptor-mediated responses in rat blood vessels, **117**, 757
 - The effect of ovariectomy on depressed contractions to phenylephrine and KCl and increased relaxation to acetylcholine in isolated aortic rings of female compared to male rabbits, **118**, 2017
 - Further investigations into the mechanism of the antihypertensive activity of the angiotensin AT₁ receptor antagonist, GR138950, **118**, 711
 - Inhibitory effect of noradrenaline uptake inhibitors on contractions of rat aortic smooth muscle, **117**, 533
 - Stereoselective effects of the enantiomers, quinidine and quinine, on depolarization- and agonist-mediated responses in rat isolated aorta, **117**, 105
- Aorta, thoracic**, Study of the mechanisms involved in adenosine-5'-*O*-(2-thiodiphosphate) induced relaxation of rat thoracic aorta and pancreatic vascular bed, **118**, 804
- Aortic rings**, Endothelium-dependent and NO-mediated desensitization to vasopressin in rat aorta, **119**, 899
- AP3**, Pharmacological characterization of metabotropic glutamate receptors coupled to phospholipase D in the rat hippocampus, **118**, 1035
- Pharmacological characterization of metabotropic glutamate receptors potentiating NMDA responses in mouse cortical wedge preparations, **118**, 1530
 - Stimulatory effects of the putative metabotropic glutamate receptor antagonist L-AP3 on phosphoinositide turnover in neonatal rat cerebral cortex, **117**, 1309
- AP4**, Pharmacological characterization of metabotropic glutamate receptors potentiating NMDA responses in mouse cortical wedge preparations, **118**, 1530
- Apamin**, Effects of nitric oxide (NO) and NO donors on the membrane conductance of circular smooth muscle cells of the guinea-pig proximal colon, **118**, 1605
- Endothelium-derived factors and hyperpolarization of the carotid artery of the guinea-pig, **119**, 959
 - KW-4679-induced inhibition of tachykinergic contraction in the guinea-pig bronchi by prejunctional inhibition of peripheral sensory nerves, **117**, 967
 - The possible role of ATP and PACAP as mediators of apamin-sensitive NANC inhibitory junction potentials in circular muscle of guinea-pig colon, **119**, 779
 - VIP- and PACAP-mediated nonadrenergic, noncholinergic inhibition in longitudinal muscle of rat distal colon: involvement of activation of charybdotoxin- and apamin-sensitive K⁺ channels, **119**, 623
- Apomorphine**, A study of tolerance to apomorphine, **117**, 781
- Apoptosis**, Cyclic AMP-elevating agents prolong or inhibit eosinophil survival depending on prior exposure to GM-CSF, **117**, 79
- Aporphine alkaloids**, A possible structural determinant of selectivity of boldine and derivatives for the α_{1A} -adrenoceptor subtype, **119**, 1563
- Arachidonic acid**, Co-existence of P_{2Y}- and PPADS-insensitive P_{2U}-purinoceptors in endothelial cells from adrenal medulla, **119**, 1223
- Effects of cytochrome P450 inhibitors on EDHF-mediated relaxation in the rat hepatic artery, **118**, 1147
 - Inhibition of PAF synthesis by stimulated human polymorphonuclear leucocytes with cloricromene, an inhibitor of phospholipase A₂ activation, **118**, 1351
 - Metabotropic glutamate receptors, transmitter output and fatty acids: studies in rat brain slices, **117**, 189
 - Modulation by atrial natriuretic factor of receptor-mediated cyclic AMP-dependent responses in canine pulmonary artery during heart failure, **118**, 1886
 - Some evidence against the involvement of arachidonic acid in muscarinic suppression of voltage-gated calcium channel current in guinea-pig ileal smooth muscle cells, **119**, 213
- Argatroban**, Antithrombotic actions of the thrombin inhibitor, argatroban, in a canine model of coronary cyclic flow: comparison with heparin, **118**, 727
- Arginine**, Anticonvulsant effects of 7-nitroindazole in rodents with reflex epilepsy may result from L-arginine accumulation or a reduction in nitric oxide or L-citrulline formation, **119**, 165
- D-Arginine**, Interaction of the islet nitric oxide system with L-arginine-induced secretion of insulin and glucagon in mice, **119**, 758
- L-Arginine**, Deficient nitric oxide responsible for reduced nerve blood flow in diabetic rats: effects of L-NAME, L-arginine, sodium nitroprusside and evening primrose oil, **118**, 186

- Evidence that endogenous nitric oxide modulates plasma fibrinogen levels in the rat, 117, 236
- Interaction of the islet nitric oxide system with L-arginine-induced secretion of insulin and glucagon in mice, 119, 758
- Lugustrazine-induced endothelium-dependent relaxation in pulmonary arteries via an NO-mediated and exogenous L-arginine-dependent mechanism, 119, 1063
- Pharmacological characterization of guanidinoethylsulphide (GED), a novel inhibitor of nitric oxide synthase with selectivity towards the inducible isoform, 118, 1659
- Role of nitric oxide in the induction and expression of morphine tolerance and dependence in mice, 117, 914
- L-Arginine analogues**, Interaction of nitric oxide synthase inhibitors and their D-enantiomers with rat neutrophil luminol dependent chemiluminescence response, 119, 578
- ARL 67156**, Enhancement of sympathetic purinergic neurotransmission in the guinea-pig isolated vas deferens by the novel ecto-ATPase inhibitor ARL 67156, 117, 867
- Arrhythmias**, Antiarrhythmic action of rilmenidine on adrenaline-induced arrhythmia via central imidazoline receptors in halothane-anaesthetized dogs, 117, 1744
- Delayed protection against ischaemia-induced ventricular arrhythmias and infarct size limitation by the prior administration of *Escherichia coli* endotoxin, 118, 2157
- Effects of tedisamil (KC-8857) on cardiac electrophysiology and ventricular fibrillation in the rabbit isolated heart, 117, 1261
- Electrophysiological mechanisms for antiarrhythmic efficacy and positive inotropy of liriodenine, a natural aporphine alkaloid from *Fissistigma glaucescens*, 118, 1571
- The role of ketoconazole in the QTc interval prolonging effects of H₁-antihistamines in a guinea-pig model of arrhythmogenicity, 119, 187
- Suppression of reperfusion-induced arrhythmias with combined administration of 5-HT₂ and thromboxane A₂ antagonists, 117, 817
- Arterial bed, mesenteric**, Mesenteric arterial function in the rat in pregnancy: role of sympathetic and sensory-motor perivascular nerves, endothelium, smooth muscle, nitric oxide and prostaglandins, 117, 1463
- Relative contribution of P_{2U}- and P_{2Y}-purinoceptors to endothelium-dependent vasodilatation in the golden hamster isolated mesenteric arterial bed, 117, 1797
- Arterial myogenic tone**, Possible mechanism of the potent vasoconstrictor actions of ryanodine on femoral arteries from spontaneously hypertensive rats, 118, 1019
- Arterial occlusion shock**, Effects of S-ethylisothiourea, a potent inhibitor of nitric oxide synthase, alone or in combination with a nitric oxide donor in splanchnic artery occlusion shock, 119, 23
- Arteries**, Action of probucol in arteries from normal and hypercholesterolaemic rabbits, 118, 1639
- Plasticity of contractile endothelin-B receptors in human arteries after organ culture, 119, 1159
- Role of potassium channels in endothelium-dependent relaxation resistant to nitroarginine in the rat hepatic artery, 117, 1600
- Arteries, basilar**, Characterization of 5-hydroxytryptamine receptors mediating contractions in basilar arteries from stroke-prone spontaneously hypertensive rats, 117, 1325
- Effects of the BK_{Ca} channel activator, NS1619, on rat cerebral artery smooth muscle, 117, 119
- Oestradiol-induced relaxation of rabbit basilar artery by inhibition of voltage-dependent Ca channels through GTP-binding protein, 117, 351
- Arteries, carotid**, Blockade of porcine carotid vascular responses to sumatriptan by GR127935, a selective 5-HT_{1D} receptor antagonist, 118, 85
- Effect of verapamil on intimal thickening and vascular reactivity in the collared carotid artery of the rabbit, 118, 1681
- Effects of cyclopiazonic acid and thapsigargin on electromechanical activities and intracellular Ca²⁺ in smooth muscle of carotid artery of hypertensive rats, 118, 857
- Endothelium-derived factors and hyperpolarization of the carotid artery of the guinea-pig, 119, 959
- Inhibitors of the cytochrome P450-mono-oxygenase and endothelium-dependent hyperpolarizations in the guinea-pig isolated carotid artery, 117, 607
- Investigation of endogenous nitric oxide vascular function in the carotid artery of cholesterol-fed rabbits, 117, 1471
- Arteries, caudal, rat**, Angiotensin II receptors involved in the enhancement of noradrenergic transmission in the caudal artery of the spontaneously hypertensive rat, 119, 965
- Multiple prejunctional actions of angiotensin II on noradrenergic transmission in the caudal artery of the rat, 119, 976
- Arteries, coronary**, Comparison of desulfatohirudin (REVASC) and heparin as adjuncts to thrombolytic therapy with reteplase in a canine model of coronary thrombosis, 118, 271
- Coronary artery constriction by the isoprostan 8-epi prostaglandin F_{2α}, 119, 1276
- Some effects of nipradilol, a β-antagonist possessing a nitroxy group, on smooth muscle of the pig coronary artery, 117, 1707
- Endothelium-dependent relaxation and hyperpolarization evoked by bradykinin in canine coronary arteries: enhancement by exercise-training, 117, 413
- Evidence for mediation by endothelium-derived hyperpolarizing factor of relaxation to bradykinin in the bovine isolated coronary artery independently of voltage-operated Ca²⁺ channels, 117, 1035
- Mechanisms of L-N^G nitroarginine/indomethacin-resistant relaxation in bovine and porcine coronary arteries, 119, 1177
- P₂-purinoceptor-mediated formation of inositol phosphates and intracellular Ca²⁺ transients in human coronary artery smooth muscle cells, 118, 1645
- The relaxant 5-HT receptor in the dog coronary artery smooth muscle: pharmacological resemblance to the cloned 5-HT₇ receptor subtype, 118, 1421
- Arteries, coronary, human**, Augmented contraction of the human isolated coronary artery by sumatriptan: a possible role for endogenous thromboxane, 119, 855
- Endothelin receptors in human coronary artery and aorta, 117, 986
- Arteries, ear**, Pharmacological studies on prostanoid receptors in the rabbit isolated saphenous vein: a comparison with the rabbit isolated ear artery, 117, 13
- Arteries, femoral**, The effect of forskolin on 5-HT₁-like and angiotensin II-induced vasoconstriction and cyclic AMP content of the rabbit isolated femoral artery, 118, 627
- Rhythmic relaxations of active tension in the rabbit large arteries induced by a combination of cyclopiazonic acid and Bay K 8644, 118, 233
- Arteries, gastric**, Tachykinin inhibition of acid-induced gastric hyperaemia in the rat, 119, 1525
- Arteries, hepatic**, Effect of cold storage in University of Wisconsin solution on the responses of porcine hepatic arteries to 5-hydroxytryptamine and bradykinin *in vitro*, 117, 142
- Effects of cytochrome P450 inhibitors on EDHF-mediated relaxation in the rat hepatic artery, 118, 1147
- Arteries, human**, Effects of phosphorothioated neuropeptide Y Y₁-receptor antisense oligodeoxynucleotide in conscious rats and in human vessels, 118, 131
- Arteries, mesenteric**, Analysis of the effects of α₁-adrenoceptor antagonists on noradrenaline-mediated contraction of rat small mesenteric artery, 118, 1308
- Analysis of relaxation and repolarization mechanisms of nicorandil in rat mesenteric artery, 119, 1549
- Calphostin C-sensitive enhancements of force by lysophosphatidyl-inositol and diacylglycerols in mesenteric arteries from the rat, 119, 15
- Effect of cyclosporin A and analogues on cytosolic calcium and vasoconstriction: possible lack of relationship to immunosuppressive activity, 118, 885
- Enhanced contractile responses of arteries from streptozotocin diabetic rats to sodium fluoride, 118, 115
- Evidence that potassium channels make a major contribution to SIN-1-evoked relaxation of rat isolated mesenteric artery, 119, 1557
- Increase by lysophosphatidylcholines of smooth muscle Ca²⁺ sensitivity in α-toxin-permeabilized small mesenteric artery from the rat, 117, 1238
- Influence of contractile agonists on the mechanism of endothelium-dependent relaxation in rat isolated mesenteric artery, 119, 191
- Synthesis and characterization of a selective peptide antagonist of neuropeptide Y vascular postsynaptic receptors, 117, 1768

- Arteries, mesenteric, rat**, Augmented sensory-motor vasodilatation of the rat mesenteric arterial bed after chronic infusion of the P₁-purinoceptor antagonist, DPSPX, **118**, 1675
- Effects of short- and long-term sympathectomy on vasoconstrictor responses of the rat mesenteric arterial bed, **119**, 1347
 - Mechanism of butyrate-induced vasorelaxation of rat mesenteric resistance artery, **117**, 365
- Arteries, mesenteric resistance**, Vascular reactivity in mesenteric resistance arteries following chronic nitric oxide synthase inhibition in Wistar rats, **117**, 341
- Arteries, pulmonary**, 5-HT_{2B} receptor-mediated calcium release from ryanodine-sensitive intracellular stores in human pulmonary artery endothelial cells, **117**, 1081
- 5-Hydroxytryptamine receptors mediating vasoconstriction in pulmonary arteries from control and pulmonary hypertensive rats, **119**, 917
 - Effects of adrenomedullin and calcitonin gene-related peptide on airway and pulmonary vascular smooth muscle in guinea-pigs, **119**, 1477
 - Endothelial 5-HT receptors mediate relaxation of porcine pulmonary arteries in response to ergotamine and dihydroergotamine, **119**, 330
 - Lugustrazine-induced endothelium-dependent relaxation in pulmonary arteries via an NO-mediated and exogenous L-arginine-dependent mechanism, **119**, 1063
 - Subtypes of losartan-sensitive angiotensin receptor in the rabbit pulmonary artery, **117**, 1504
- Arteries, pulmonary, human**, Endothelin_B receptor-mediated contraction in human pulmonary resistance arteries, **119**, 1125
- Evidence for 5-HT₁-like receptor-mediated vasoconstriction in human pulmonary artery, **119**, 277
 - Increased responsiveness of human pulmonary arteries in patients with positive bronchodilator response, **119**, 1337
 - M₁ and M₃ muscarinic receptors in human pulmonary arteries, **119**, 149
- Arteries, pulmonary, rabbit**, Comparison of endothelin_B (ET_B) receptors in rabbit isolated pulmonary artery and bronchus, **118**, 1209
- Arteries, rabbit**, Regional differences in the arterial response to vasopressin: role of endothelial nitric oxide, **118**, 1848
- Arteries, renal**, The mechanism of relaxation induced by atrial natriuretic peptide in the porcine renal artery, **118**, 343
- Arteries, resistance**, Alteration by lipopolysaccharide of the relationship between intracellular calcium levels and contraction in rat mesenteric artery, **118**, 1218
- Endothelin_B receptor-mediated contraction in human pulmonary resistance arteries, **119**, 1125
 - Impaired arterial reactivity following cytomegalovirus infection in the immunosuppressed rat, **119**, 637
- Arteries, splanchnic**, Effects of S-ethylisothiourea, a potent inhibitor of nitric oxide synthase, alone or in combination with a nitric oxide donor in splanchnic artery occlusion shock, **119**, 23
- Arteries, tail**, Effect of N^G-nitro-L-arginine methylester (L-NAME) on functional and biochemical α₁-adrenoceptor-mediated responses in rat blood vessels, **117**, 757
- Endothelial modulation of α₁-adrenoceptor contractile responses in the tail artery of spontaneously hypertensive rats, **119**, 765
 - Enhanced vasoconstriction of rat tail arteries by toxoflavin, **117**, 293
 - Sources of calcium and α₁-adrenoceptor-mediated contraction in rat tail artery, **118**, 2067
- Arteries, tail, rat**, Agmatine, an endogenous modulator of noradrenergic neurotransmission in the rat tail artery, **119**, 677
- Discrimination between neuropeptide Y and peptide YY in the rat tail artery by the neuropeptide Y₁-selective antagonist, BIBP 3226, **119**, 1313
 - Purinoceptor modulation of noradrenaline release in rat tail artery: tonic modulation mediated by inhibitory P_{2Y}- and facilitatory A_{2A}-purinoceptors, **117**, 156
- Arteries, temporal, human**, Participation of 5-HT₁-like and 5-HT_{2A} receptors in the contraction of human temporal artery by 5-hydroxytryptamine and related drugs, **117**, 283
- Arteries, umbilical**, Characterization of endothelin receptors in the human umbilical artery and vein, **119**, 1600
- Arteries, uterine, human**, Intimal hyperplasia in human uterine arteries accompanied by impaired synergism between prostaglandin I₂ and nitric oxide, **119**, 1072
- Arteriovenous anastomoses**, Blockade of porcine carotid vascular responses to sumatriptan by GR127935, a selective 5-HT_{1D} receptor antagonist, **118**, 85
- Arthritis**, Characterization of the PGE₂ receptor subtype in bovine chondrocytes in culture, **118**, 1597
- Contrast between effects of aminobisphosphonates and non-aminobisphosphonates on collagen-induced arthritis in mice, **119**, 205
 - The site of anti-arthritic action of the κ-opioid, U-50,488H, in adjuvant arthritis: importance of local administration, **118**, 1754
- Arthus reaction**, Effect of soluble P55 tumour-necrosis factor binding fusion protein on the local Schwartzman and Arthus reactions, **117**, 471
- Aryloxypropanolaminotetralins**, Functional identification of rat atypical β-adrenoceptors by the first β₃-selective antagonist, aryloxypropanolaminotetralins, **117**, 435
- Ascaris suum**, Activation and cooperative multi-ion block of single nicotinic-acetylcholine channel currents of *Ascaris* muscle by the tetrahydropyrimidine anthelmintic, morantel, **118**, 1127
- Effects of local and systemic budesonide on allergen-induced airway reactions in the pig, **118**, 989
- Ascorbate**, Antioxidant protection of NO-induced relaxations of the mouse aortic artery against inhibition by superoxide anions, hydroquinone and carboxy-PTIO, **119**, 432
- D-Aspartate**, Comparison of the autoradiographic binding distribution of [³H]-gabepentin with excitatory amino acid receptor and amino acid uptake site distributions in rat brain, **118**, 457
- Aspirin**, Augmented contraction of the human isolated coronary artery by sumatriptan: a possible role for endogenous thromboxane, **119**, 855
- Effect of cyclo-oxygenase inhibitors and modulators of cyclic AMP formation on lipopolysaccharide-induced neutrophil infiltration in mouse lung, **117**, 1792
- Asthma**, Deficiency of nitric oxide in allergen-induced airway hyper-reactivity to contractile agonists after the early asthmatic reaction: an *ex vivo* study, **119**, 1109
- Impaired activation of adenylyl cyclase in lung of the Basenji-greyhound model of airway hyperresponsiveness: decreased numbers of high affinity β-adrenoceptors, **118**, 2009
 - Regulation of histamine H₁ receptor coupling by dexamethasone in human cultured airway smooth muscle, **118**, 1079
- Atenolol**, Biphasic effects of the β-adrenoceptor agonist, BRL 37344, on glucose utilization in rat isolated skeletal muscle, **117**, 1355
- Atherosclerosis**, Action of probucol in arteries from normal and hypercholesterolaemic rabbits, **118**, 1639
- Adenosine inhibitory effect on enhanced growth of aortic smooth muscle cells from streptozotocin-induced diabetic rats, **118**, 783
 - Effect of lacidipine on fatty and proliferative lesions induced in hypercholesterolaemic rabbits, **118**, 215
 - Effect of verapamil on intimal thickening and vascular reactivity in the collared carotid artery of the rabbit, **118**, 1681
 - Increased activity of guanylate cyclase in the atherosclerotic rabbit aorta: role of non-endothelial nitric oxide synthases, **119**, 1233
 - Inhibitory effects of fluvastatin, a new HMG-CoA reductase inhibitor, on the increase in vascular ACE activity in cholesterol-fed rabbits, **119**, 1269
 - Protection of low density lipoprotein oxidation at chemical and cellular level by the antioxidant drug dipyrindamole, **119**, 1438
- ATP**, The activation of P₁- and P₂-purinoceptors in the guinea-pig left atrium by diadenosine polyphosphates, **118**, 1294
- ATP and nitric oxide: inhibitory NANC neurotransmitters in the longitudinal muscle-myenteric plexus preparation of the rat ileum, **118**, 695
 - Characterization of Na⁺ influx mediated by ATP⁴⁻-activated P₂ purinoceptors in PC12 cells, **118**, 935
 - Characterization of a P_{2X}-purinoceptor in cultured neurones of the rat dorsal root ganglia, **118**, 951
 - Characterization of the P_{2Y}-purinoceptor involved in the ATP-induced rise in cytosolic Ca²⁺ concentration in rat ileal myocytes, **118**, 2213
 - Discrimination by PPADS between endothelial P_{2Y}- and P_{2U}-purinoceptors in the rat isolated mesenteric arterial bed, **118**, 428
 - Dissociation of P₂ purinoceptor-mediated increase in intracellular Ca²⁺ level from myosin light chain phosphorylation and contraction in rat aorta, **118**, 543

- The effect of PPADS as an antagonist of inositol (1,4,5)trisphosphate induced intracellular calcium mobilization, **119, 360**
- Effects of hydroxyethylrutosides on hypoxia-induced activation of human endothelial cells *in vitro*, **118, 599**
- Effects of PPADS and suramin on contractions and cytoplasmic Ca^{2+} changes evoked by AP_4A , ATP and α,β -methylene ATP in guinea-pig urinary bladder, **117, 698**
- Effects of purinoceptor agonists on cytosolic Ca^{2+} concentration in swine tracheal smooth muscle cells in culture, **119, 539**
- Enhancement of sympathetic purinergic neurotransmission in the guinea-pig isolated vas deferens by the novel ecto-ATPase inhibitor ARL 67156, **117, 867**
- Evidence for a discrete UTP receptor in cardiac endothelial cells, **117, 1572**
- Evidence for a P_2 -purinoceptor mediating vasoconstriction by UTP, ATP and related nucleotides in the isolated pulmonary vascular bed of the rat, **118, 1415**
- Fading and rebound of currents induced by ATP in PC12 cells, **119, 1045**
- Full sensitivity of P_{2X_2} purinoceptor to ATP revealed by changing extracellular pH, **117, 1371**
- Inhibition of purinergic transmission by prostaglandin E_1 and E_2 in the guinea-pig vas deferens: an electrophysiological study, **118, 776**
- Modulation by extracellular ATP of L-type calcium channels in guinea-pig single sinoatrial nodal cell, **119, 1454**
- P_2 -purinoceptors mediating spasm of the isolated uterus of the non-pregnant guinea-pig, **117, 1721**
- The $\text{P}_{2\text{Y}}$ purinoceptor in rat brain microvascular endothelial cells couple to inhibition of adenylate cyclase, **119, 1385**
- The possible role of ATP and PACAP as mediators of apamin-sensitive NANC inhibitory junction potentials in circular muscle of guinea-pig colon, **119, 779**
- Potentiation by cadmium ion of the ATP-evoked dopamine release in rat phaeochromocytoma cells, **117, 950**
- Potentiation by 2,2'-pyridylisatogen tosylate of ATP-responses at a recombinant P_{2Y_1} purinoceptor, **117, 1111**
- Properties of the inhibitory junction potential in smooth muscle of the guinea-pig gastric fundus, **117, 974**
- Pyrimidinocceptor-mediated activation of phospholipase C and phospholipase A_2 in RAW 264.7 macrophages, **119, 261**
- Responses of the longitudinal muscle and the muscularis mucosae of the rat duodenum to adenine and uracil nucleotides, **117, 823**
- Rise in cytosolic Ca^{2+} concentration induced by P_2 -purinoceptor activation in isolated myocytes from the rat gastrointestinal tract, **117, 775**
- Second messenger cascade specificity and pharmacological selectivity of the human P_{2Y_1} -purinoceptor, **118, 167**
- Selectivity and activity of adenine dinucleotides at recombinant P_{2X_2} and P_{2Y_1} purinoceptors, **119, 1006**
- Stimulation by the nucleotides, ATP and UTP of mitogen-activated protein kinase in EAhy 926 endothelial cells, **117, 1341**
- Tyrophostin inhibition of ATP-stimulated DNA synthesis, cell proliferation and Fos-protein expression in vascular smooth muscle cells, **118, 1028**
- [$\alpha\text{-}^{33}\text{P}$]-ATP, The binding characteristics of a human bladder recombinant $\text{P}_{2\text{X}}$ purinoceptor, labelled with [^3H]- $\alpha\beta\text{meATP}$, [^{35}S]-ATP γS or [^{33}P]-ATP, **117, 1254**
- ATP analogues**, Evidence for two distinct P_2 -purinoceptors subserving contraction of the rat anococcygeus smooth muscle, **118, 537**
- ATP receptors**, $\text{P}_{2\text{X}}$ -Purinoceptors of myenteric neurones from the guinea-pig ileum and their unusual pharmacological properties, **119, 1541**
- ATP-activated currents**, Potentiation by cadmium ion of the ATP-evoked dopamine release in rat phaeochromocytoma cells, **117, 950**
- ATP-ases**, Action of suramin upon ecto-apyrase activity and synaptic depression of *Torpedo* electric organ, **118, 1232**
- Inhibition of prostanoid formation in intact cells by 2,5-di-(*tert*-butyl)-1,4-benzohydroquinone, a blocker of Ca^{2+} -ATPases, **117, 540**
- ATP-ases, Ca^{2+} inhibitors**, Inhibition by SK&F96365 of NO-mediated relaxation induced by Ca^{2+} -ATPase inhibitors in rat thoracic aorta, **117, 1544**
- ATP-ases, H^+ - K^+** , Cyclic AMP-dependent regulation of K^+ transport in the rat distal colon, **118, 1477**
- ATP-ases, Na^+ - K^+** , Stimulation of sodium pump by vasoactive intestinal peptide in guinea-pig isolated trachea: potential contribution to mechanisms underlying relaxation of smooth muscle, **118, 557**
- [^{35}S]-ATP γS , The binding characteristics of a human bladder recombinant $\text{P}_{2\text{X}}$ purinoceptor, labelled with [^3H]- $\alpha\beta\text{meATP}$, [^{35}S]-ATP γS or [^{33}P]-ATP, **117, 1254**
- Atria**, The activation of P_1 - and P_2 -purinoceptors in the guinea-pig left atrium by diadenosine polyphosphates, **118, 1294**
- Differential presynaptic modulation of noradrenaline release in human atrial tissue in normoxia and anoxia, **118, 1855**
- Direct positive chronotropic effects of angiotensin II and angiotensin III in pithed rats and in rat isolated atria, **118, 1653**
- Effect of gadolinium on stretch-induced changes in contraction and intracellularly recorded action- and afterpotentials of rat isolated atrium, **118, 407**
- Mechanical and electrophysiological effects of 8-oxoberberine (JKL1073A) on atrial tissue, **118, 503**
- Atria, human**, (-)-CGP 12177-induced increase of human atrial contraction through a putative third β -adrenoceptor, **117, 93**
- Atria, rat**, Differences between the third cardiac β -adrenoceptor and the colonic β_3 -adrenoceptor in the rat, **118, 2085**
- Atrial natriuretic factor**, Effect of cyclic GMP-dependent vasodilators on the expression of inducible nitric oxide synthase in vascular smooth muscle cells: role of cyclic AMP, **119, 707**
- Modulation by atrial natriuretic factor of receptor-mediated cyclic AMP-dependent responses in canine pulmonary artery during heart failure, **118, 1886**
- Renal effects of TAPP, a highly selective μ -opioid agonist, **119, 239**
- Atrial natriuretic peptides**, The mechanism of relaxation induced by atrial natriuretic peptide in the porcine renal artery, **118, 343**
- Atrioventricular node**, Actions of the digitalis analogue strophanthidin on action potentials and L-type calcium current in single cells isolated from the rabbit atrioventricular node, **118, 1447**
- Atropine**, M_1 and M_3 muscarinic receptors in human pulmonary arteries, **119, 149**
- Aurintricarboxylic acid**, A comparative study of the antithrombotic effect of aurintricarboxylic acid on arterial thrombosis in rats and guinea-pigs, **118, 1633**
- Autonomic nervous system**, Antiarrhythmic action of rilmenidine on adrenaline-induced arrhythmia via central imidazoline receptors in halothane-anaesthetized dogs, **117, 1744**
- Mechanism of inhibition of calcium channels in rat nucleus tractus solitarius by neurotransmitters, **118, 1341**
- Autonomic neurones**, $\text{P}_{2\text{X}}$ -Purinoceptors of myenteric neurones from the guinea-pig ileum and their unusual pharmacological properties, **119, 1541**
- Autonomic neurotransmission**, Parasympathetic excitation of sympathetic innervation after cholinesterase inhibition, **117, 51**
- Autoradiography**, Cerebrovascular responsiveness to N^G -nitro-L-arginine methyl ester in spontaneously diabetic rats, **118, 243**
- Comparison of the autoradiographic binding distribution of [^3H]-gabapentin with excitatory amino acid receptor and amino acid uptake site distributions in rat brain, **118, 457**
- Endothelin-1 and the periaqueductal gray area of the rat: an autoradiographic and functional pharmacological study, **118, 21**
- Inositol hexakisphosphate binding sites in rat heart and brain, **118, 1615**
- Localization of endothelin ET_B receptors on the myenteric plexus of guinea-pig ileum and the receptor-mediated release of acetylcholine, **118, 1171**
- A receptor autoradiographic and *in situ* hybridization analysis of the distribution of the 5-HT $_7$ receptor in rat brain, **117, 657**
- Regionally different *N*-methyl-D-aspartate receptors distinguished by ligand binding and quantitative autoradiography of [^3H]-CGP 39653 in rat brain, **119, 819**
- Role of brainstem adenosine A_1 receptors in the cardiovascular response to hypothalamic defence area stimulation in the anaesthetized rat, **117, 277**
- AV12-664 cell line**, Pharmacological characterization of desensitization in a human mGlu1 α -expressing non-neuronal cell line co-transfected with a glutamate transporter, **118, 1558**

B

- 293B**, Cyclic AMP-dependent regulation of K^+ transport in the rat distal colon, **118**, 1477
- (-)-**Baclofen**, Human brain somatostatin release from isolated cortical nerve endings and its modulation through GABA_B receptors, **118**, 1441
- BAPTA**, Effects on K^+ currents in rat cerebellar granule neurones of a membrane-permeable analogue of the calcium chelator BAPTA, **118**, 1772
- Barbiturates**, Actions of general anaesthetics on 5-HT₃ receptors in N1E-115 neuroblastoma cells, **117**, 1507
- Allosteric modulation of an expressed homo-oligomeric GABA-gated chloride channel of *Drosophila melanogaster*, **117**, 1229
 - Biphasic effect of pentobarbitone on chick myotube nicotinic receptor channel kinetics, **118**, 1385
 - Interaction of positive allosteric modulators with human and *Drosophila* recombinant GABA receptors expressed in *Xenopus laevis* oocytes, **118**, 563
- Baroreceptor reflex**, Baroreflex resetting but no vascular tolerance in response to transdermal glyceryl trinitrate in conscious rabbits, **118**, 93
- Basophils**, Regulation of human basophil function by phosphatase inhibitors, **119**, 446
- Bathocuproine disulphonate**, Role of a copper (I)-dependent enzyme in the anti-platelet action of S-nitrosoglutathione, **119**, 533
- Batrachotoxin**, Inhibition by propofol of [³H]-batrachotoxinin-A 20- α -benzoate binding to voltage-dependent sodium channels in rat cortical synaptosomes, **119**, 1498
- Bay K8644**, Long Ca^{2+} channel opening induced by large depolarization and Bay K 8644 in smooth muscle cells isolated from guinea-pig detrusor, **119**, 716
- Rhythmic relaxations of active tension in the rabbit large arteries induced by a combination of cyclopiazonic acid and Bay K 8644, **118**, 233
- BCECF**, Mechanism of butyrate-induced vasorelaxation of rat mesenteric resistance artery, **117**, 365
- BD 737**, Differentiation of σ ligand-activated receptor subtypes that modulate NMDA-evoked [³H]-noradrenaline release in rat hippocampal slices, **119**, 65
- BD 1008**, Differentiation of σ ligand-activated receptor subtypes that modulate NMDA-evoked [³H]-noradrenaline release in rat hippocampal slices, **119**, 65
- BD 1063**, Differentiation of σ ligand-activated receptor subtypes that modulate NMDA-evoked [³H]-noradrenaline release in rat hippocampal slices, **119**, 65
- Benzamides**, Ability of 5-HT₄ receptor ligands to modulate rat striatal dopamine release *in vitro* and *in vivo*, **117**, 55
- 5-HT₄ receptor-mediated modulation of 5-HT release in the rat hippocampus *in vivo*, **117**, 1475
- Benzodiazepines**, Allosteric modulation of an expressed homo-oligomeric GABA-gated chloride channel of *Drosophila melanogaster*, **117**, 1229
- Lack of anticonvulsant tolerance and benzodiazepine receptor down regulation with imidazenil in rats, **117**, 647
 - Molecular mechanisms of benzodiazepine-induced down-regulation of GABA_A receptor α_1 subunit protein in rat cerebellar granule cells, **118**, 1103
 - PK 11195 blockade of benzodiazepine-induced inhibition of forskolin-stimulated adenylate cyclase activity in the striatum, **119**, 223
- Benzodiazepine receptors**, Heterogeneous distribution of benzodiazepine receptors among rat neostriatal neurones, **118**, 820
- Benzothiadiazide**, Allosteric interactions between cyclothiazide and AMPA/kainate receptor antagonists, **117**, 1663
- Benzothiazepine receptors**, Extra- and intracellular action of quarternary devapamil on muscle L-type Ca^{2+} -channels, **119**, 1197
- Berberine**, Increase in action potential duration and inhibition of the delayed rectifier outward current I_K by berberine in cat ventricular myocytes, **117**, 1427
- Beta-cells**, Desensitization of glucagon-like peptide 1 receptors in insulin-secreting β TC3 cells: role of PKA-independent mechanisms, **118**, 769
- Bezafibrate**, Decreased susceptibility to copper-induced oxidation of rat-lipoproteins after fibrate treatment: influence of fatty acid composition, **117**, 1155
- BHQ**, Inhibition of prostanoid formation in intact cells by 2,5-di-(*tert*-butyl)-1,4-benzohydroquinone, a blocker of Ca^{2+} -ATPases, **117**, 540
- Bile**, Differences in hypolipidaemic effects of two statins on Hep G2 cells or human hepatocytes in primary culture, **118**, 1862
- Pharmacokinetics of phenazone (antipyrine) in rabbits with experimental common bile duct obstruction, **117**, 1
- Bile flow**, Effects of selective phosphodiesterase 3 inhibition in the perfused liver of the rat after endotoxin treatment, **118**, 790
- Bile salts**, Permeation enhancement of octreotide by specific bile salts in rats and human subjects: *in vitro*, *in vivo* correlations, **117**, 217
- BIM 23027**, Somatostatin sst₂ receptor-mediated inhibition of parietal cell function in rat isolated gastric mucosa, **119**, 905
- BIM 23056**, Potent antagonism by BIM-23056 at the human recombinant somatostatin sst₅ receptor, **118**, 445
- Biphenylimidazoles**, Interaction of biphenylimidazole and imidazole-acrylic acid nonpeptide antagonists with valine 108 in TM III of the AT₁ angiotensin receptor, **119**, 1505
- Bisindolylmaleimide**, Differential effects of protein kinase C inhibitors on chemokine production in human synovial fibroblasts, **117**, 1245
- Inhibition of nicotinic responses of bovine adrenal chromaffin cells by the protein kinase C inhibitor, Ro 31-8220, **119**, 416
- Bisphosphonates**, Contrast between effects of aminobisphosphonates and non-aminobisphosphonates on collagen-induced arthritis in mice, **119**, 205
- Bladder**, Evidence for the presence of cannabinoid CB₁ receptors in mouse urinary bladder, **118**, 2053
- Micturition in conscious rats with and without bladder outlet obstruction: role of spinal α_1 -adrenoceptors, **117**, 962
 - Pharmacological characterization of the inwardly-rectifying current in the smooth muscle cells of the rat bladder, **119**, 1509
- Bladder, guinea-pig**, Effects of PPADS and suramin on contractions and cytoplasmic Ca^{2+} changes evoked by AP4A, ATP and α,β -methylene ATP in guinea-pig urinary bladder, **117**, 698
- Bladder, human**, The binding characteristics of a human bladder recombinant P_{2X} purinoceptor, labelled with [³H]- $\alpha\beta$ meATP, [³⁵S]-ATP γ S or [³³P]-ATP, **117**, 1254
- Bladder, rat**, A comparison of the binding characteristics of recombinant P_{2X1} and P_{2X2} purinoceptors, **118**, 1806
- Bladder, urinary**, Long Ca^{2+} channel opening induced by large depolarization and Bay K 8644 in smooth muscle cells isolated from guinea-pig detrusor, **119**, 716
- Bladder, urinary, human**, Neural 5-HT₄ receptors in the human isolated detrusor muscle: effects of indole, benzimidazolone and substituted benzamide agonists and antagonists, **118**, 1965
- Blood**, Adenosine A₂ receptor-induced inhibition of leukotriene B₄ synthesis in whole blood *ex vivo*, **117**, 1639
- Inhibition of nitric oxide synthesis by *N*^G-nitro-L-arginine methyl ester (L-NAME): requirement for bioactivation to the free acid, *N*^G-nitro-L-arginine, **118**, 1433
- Blood flow**, Deficient nitric oxide responsible for reduced nerve blood flow in diabetic rats: effects of L-NAME, L-arginine, sodium nitroprusside and evening primrose oil, **118**, 186
- In situ* assessment of the role of the β_1 -, β_2 - and β_3 -adrenoceptors in the control of lipolysis and nutritive blood flow in human subcutaneous adipose tissue, **117**, 907
 - Influence of levosimendan, pimobendan, and milrinone on the regional distribution of cardiac output in anaesthetized dogs, **119**, 609
- Blood flow, cerebral**, Cerebrovascular responsiveness to *N*^G-nitro-L-arginine methyl ester in spontaneously diabetic rats, **118**, 243
- Blood flow, coronary**, Cocaine-induced microvascular vasoconstriction but differential systemic haemodynamic responses in Yucatan versus Yorkshire varieties of swine, **117**, 559
- Influence of levosimendan, pimobendan, and milrinone on the regional distribution of cardiac output in anaesthetized dogs, **119**, 609
 - Mechanism of 5-hydroxytryptamine-induced coronary vasodilatation assessed by direct detection of nitric oxide production in guinea-pig isolated heart, **119**, 721
- Blood flow, gastric mucosal**, Tachykinin inhibition of acid-induced gastric hyperaemia in the rat, **119**, 1525
- Blood flow, intestinal**, Bosentan-improved cardiopulmonary vascular performance and increased plasma levels of endothelin-1 in porcine

- endotoxin shock, **118**, 617
- Blood flow, muscular**, Involvement of nitric oxide, but not prostaglandins, in the vascular sympathoinhibitory effects of losartan in the pithed spontaneously hypertensive rat, **117**, 315
- Blood flow, renal**, Effect of intrarenally infused parathyroid hormone-related protein on renal blood flow and glomerular filtration rate in the anaesthetized rat, **118**, 1995
- Involvement of nitric oxide, but not prostaglandins, in the vascular sympathoinhibitory effects of losartan in the pithed spontaneously hypertensive rat, **117**, 315
- Blood flow, splenic**, Bosentan-improved cardiopulmonary vascular performance and increased plasma levels of endothelin-1 in porcine endotoxin shock, **118**, 617
- Blood pressure**, Changes in nitric oxide release *in vivo* in response to vasoactive substances, **119**, 1211
- A comparative study of the reversal by different α_2 -adrenoceptor antagonists of the central sympatho-inhibitory effect of clonidine, **117**, 587
 - Comparison of angiotensin II type 1 receptor blockade and angiotensin-converting enzyme inhibition in pregnant sheep during late gestation, **119**, 393
 - Contribution of the renin-angiotensin system to short-term blood pressure variability during blockade of nitric oxide synthesis in the rat, **119**, 1085
 - Effect of amlodipine on renin secretion and renin gene expression in rats, **119**, 744
 - Effect of celiprolol therapy on arterial dilatation in experimental hypertension, **119**, 1137
 - Effect of intracerebroventricular and intravenous administration of nitric oxide donors on blood pressure and heart rate in anaesthetized rats, **119**, 1422
 - Effect of intrarenally infused parathyroid hormone-related protein on renal blood flow and glomerular filtration rate in the anaesthetized rat, **118**, 1995
 - Functional characterization of adenosine receptors in the nucleus tractus solitarius mediating hypotensive responses in the rat, **117**, 305
 - Further investigations into the mechanism of the antihypertensive activity of the angiotensin AT₁ receptor antagonist, GR138950, **118**, 711
 - Increase by adrenaline or angiotensin II of the accumulation of low density lipoprotein and fibrinogen by aortic walls in unrestrained conscious rats, **117**, 1089
 - Inhibition of nitric oxide synthase by 1-(2-trifluoromethylphenyl)imidazole (TRIM) *in vitro*: antinociceptive and cardiovascular effects, **119**, 423
 - The mechanism of acidic pH-induced contraction in aortae from SHR and WKY rats enhanced by increasing blood pressure, **118**, 485
 - Pharmacological characterization of guanidinoethylsulphide (GED), a novel inhibitor of nitric oxide synthase with selectivity towards the inducible isoform, **118**, 1659
 - Physiological and behavioural effects of the endogenous cannabinoid, arachidonylethanolamide (anandamide), in the rat, **119**, 107
 - The role of endogenous bradykinin in blood pressure homeostasis in spontaneously hypertensive rats, **118**, 1925
 - The role of nephrectomy and proadifen in blood pressure homeostasis following an acute kinin-induced hypotension in normotensive rats, **117**, 1516
 - Spontaneous rearrangement of aminoalkylisothioureas into mercaptoalkylguanidines, a novel class of nitric oxide synthase inhibitors with selectivity towards the inducible isoform, **117**, 619
 - Structure activity studies of mast cell activation and hypotension induced by neuropeptide Y (NPY), centrally truncated and C-terminal NPY analogues, **117**, 325
 - Study of SR 142801, a new potent non-peptide NK₃ receptor antagonist on cardiovascular responses in conscious guinea-pig, **118**, 1095
 - A study of tolerance to apomorphine, **117**, 781
- Blood vessels**, Prevention of vascular nitroglycerin tolerance by inhibition of protein kinase C, **119**, 3
- Rapid nitric oxide- and prostaglandin-dependent release of calcitonin gene-related peptide (CGRP) triggered by endotoxin in rat mesenteric arterial bed, **118**, 2164
- Blood-brain barrier**, Evidence for *P*-glycoprotein-modulated penetration of morphine-6-glucuronide into brain capillary endothelium, **118**, 1879
- Substantial excretion of digoxin via the intestinal mucosa and prevention of long-term digoxin accumulation in the brain by the *mdr1a* *P*-glycoprotein, **119**, 1038
- BMV 7378**, Characterization of α_{1D} -adrenoceptor subtype in rat myocardium, aorta and other tissues, **119**, 269
- Boldine**, The effect of *S*-(+)-boldine on the α_1 -adrenoceptor of the guinea-pig aorta, **119**, 1305
- A possible structural determinant of selectivity of boldine and derivatives for the α_{1A} -adrenoceptor subtype, **119**, 1563
- Bosentan**, Bosentan-improved cardiopulmonary vascular performance and increased plasma levels of endothelin-1 in porcine endotoxin shock, **118**, 617
- Characterization of the endothelin receptor selective agonist, BQ3020 and antagonists BQ123, FR139317, BQ788, 50235, Ro462005 and bosentan in the heart, **117**, 455
 - Effect of endothelin antagonists on the responses to prostanoid endothelium-derived contracting factor, **118**, 1429
 - Effects of the non-peptide, non-selective endothelin antagonist, bosentan, on regional haemodynamic responses to *N*^G-monomethyl-L-arginine in conscious rats, **118**, 352
 - Paracrine renal endothelin system in rats with liver cirrhosis, **118**, 220
- Boswellic acid**, Acetyl-11-keto- β -boswellic acid (AKBA): structure requirements for binding and 5-lipoxygenase inhibitory activity, **117**, 615
- BQ 123**, Characterization of the endothelin receptor selective agonist, BQ3020 and antagonists BQ123, FR139317, BQ788, 50235, Ro462005 and bosentan in the heart, **117**, 455
- Characterization of endothelin receptor subtypes mediating Ca²⁺ mobilization and contractile response in rabbit iris dilator muscle, **117**, 1277
 - The effects of calcitonin gene-related peptide on tracheal smooth muscle of guinea-pigs *in vitro*, **119**, 1341
 - Failure of BQ123, a more potent antagonist of sarafotoxin 6b than of endothelin-1, to distinguish between these agonists in binding experiments, **118**, 335
 - Influence of respiratory tract viral infection on endothelin-1-induced potentiation of cholinergic nerve-mediated contraction in mouse trachea, **119**, 891
 - The induction of a biphasic bronchospasm by the ET_B agonist, IRL 1620, due to thromboxane A₂ generation and endothelin-1 release in guinea-pigs, **118**, 1397
 - Necessity of dual blockade of endothelin ET_A and ET_B receptor subtypes for antagonism of endothelin-1-induced contraction in human bronchi, **117**, 995
 - Time course of changes in ET_B receptor density and function in tracheal airway smooth muscle during respiratory tract viral infection in mice, **117**, 1222
- BQ 485**, Effect of selective blockade of endothelin ET_B receptors on the liver dysfunction and injury caused by endotoxaemia in the rat, **119**, 479
- BQ 788**, Characterization of the binding of endothelin ET_B selective ligands in human and rat heart, **119**, 631
- Characterization of the endothelin receptor selective agonist, BQ3020 and antagonists BQ123, FR139317, BQ788, 50235, Ro462005 and bosentan in the heart, **117**, 455
 - Characterization of endothelin receptor subtypes mediating Ca²⁺ mobilization and contractile response in rabbit iris dilator muscle, **117**, 1277
 - Comparison of endothelin_B (ET_B) receptors in rabbit isolated pulmonary artery and bronchus, **118**, 1209
 - Effect of selective blockade of endothelin ET_B receptors on the liver dysfunction and injury caused by endotoxaemia in the rat, **119**, 479
 - The effects of calcitonin gene-related peptide on tracheal smooth muscle of guinea-pigs *in vitro*, **119**, 1341
 - The induction of a biphasic bronchospasm by the ET_B agonist, IRL 1620, due to thromboxane A₂ generation and endothelin-1 release in guinea-pigs, **118**, 1397
 - Influence of respiratory tract viral infection on endothelin-1-induced potentiation of cholinergic nerve-mediated contraction in mouse trachea, **119**, 891

- Necessity of dual blockade of endothelin ET_A and ET_B receptor subtypes for antagonism of endothelin-1-induced contraction in human bronchi, 117, 995
- Plasticity of contractile endothelin-B receptors in human arteries after organ culture, 119, 1159
- Time course of changes in ET_B receptor density and function in tracheal airway smooth muscle during respiratory tract viral infection in mice, 117, 1222
- BQ 928**, Necessity of dual blockade of endothelin ET_A and ET_B receptor subtypes for antagonism of endothelin-1-induced contraction in human bronchi, 117, 995
- BQ 3020**, Characterization of the endothelin receptor selective agonist, BQ3020 and antagonists BQ123, FR139317, BQ788, 50235, Ro462005 and bosentan in the heart, 117, 455
- Comparison of endothelin_B (ET_B) receptors in rabbit isolated pulmonary artery and bronchus, 118, 1209
- [¹²⁵I]-**BQ 3020**, Characterization of [¹²⁵I]-endothelin-1 and [¹²⁵I]-BQ3020 binding to rat cerebellar endothelin receptors, 118, 2126
- 8-Br-cyclic AMP**, Modulation of agonist-induced phosphoinositide metabolism, Ca²⁺ signalling and contraction of airway smooth muscle by cyclic AMP-dependent mechanisms, 117, 419
- 8-Br-cyclic GMP**, Inhibition by sodium nitroprusside of a calcium store depletion-activated non-selective cation current in smooth muscle cells of the mouse anococcygeus, 118, 2001
- Bradycardic agents**, Mechanisms of block of a human cloned potassium channel by the enantiomers of a new bradycardic agent: S-16257-2 and S-16260-2, 117, 1293
- Mode of action of bradycardic agent, S 16257, on ionic currents of rabbit sinoatrial node cells, 118, 1051
- Bradykinin**, Antinociceptive profile of the pseudopeptide B₂ bradykinin receptor antagonist NPC 18688 in mice, 117, 552
- Attenuation of human nasal airway responses to bradykinin and histamine by inhibitors of nitric oxide synthase, 118, 1177
- B₁ bradykinin receptors and sensory neurones, 118, 1469
- Central B₂ receptor involvement in the antinociceptive effect of bradykinin in rats, 118, 1488
- Changes in nitric oxide release *in vivo* in response to vasoactive substances, 119, 1211
- Characterization of the bradykinin receptor in the human nasal airway using the binding of [¹²⁵I]-Hoe 140, 119, 1054
- Contribution of calcium-activated potassium channels to the vasodilator effect of bradykinin in the isolated, perfused kidney of the rat, 118, 1504
- Effect of cold storage in University of Wisconsin solution on the responses of porcine hepatic arteries to 5-hydroxytryptamine and bradykinin *in vitro*, 117, 142
- The effect of insulin treatment and of islet transplantation on the resistance artery function in the STZ-induced diabetic rat, 119, 495
- Evidence for mediation by endothelium-derived hyperpolarizing factor of relaxation to bradykinin in the bovine isolated coronary artery independently of voltage-operated Ca²⁺ channels, 117, 1035
- Haemodynamic and cardiac effects of kinin B₁ and B₂ receptor stimulation in conscious instrumented dogs, 117, 1565
- The histamine H₁ receptor in GT1-7 neuronal cells is regulated by calcium influx and KN-62, a putative inhibitor of calcium/calmodulin protein kinase II, 118, 1119
- The identification of DL-*threo* dihydrosphingosine and sphingosine as novel inhibitors of extracellular signal-regulated kinase signalling in airway smooth muscle, 119, 185
- Involvement of endogenous nitric oxide in the mechanism of bradykinin-induced peripheral hyperalgesia, 117, 407
- The longitudinal muscle of rat ileum as a sensitive monoreceptor assay for bradykinin B₁ receptors, 117, 1619
- Mechanisms of L-N^G nitroarginine/indomethacin-resistant relaxation in bovine and porcine coronary arteries, 119, 1177
- Receptors for kinins in the human isolated umbilical vein, 118, 289
- Role of bradykinin receptors in the renal effects of inhibition of angiotensin converting enzyme and endopeptidases 24.11 and 24.15 in conscious rabbits, 119, 365
- The role of the endocardium in the facilitatory effect of bradykinin on electrically-induced release of noradrenaline in rat cardiac ventricle, 118, 364
- The role of endogenous bradykinin in blood pressure homeostasis in spontaneously hypertensive rats, 118, 1925
- The role of nephrectomy and proadifen in blood pressure homeostasis following an acute kinin-induced hypotension in normotensive rats, 117, 1516
- Selective labelling of bradykinin receptor subtypes in WI38 human lung fibroblasts, 119, 863
- Self-limiting enhancement by nitric oxide of oxygen free radical-induced endothelial cell injury: evidence against the dual action of NO as hydroxyl radical donor/scavenger, 119, 455
- Substance P and capsaicin-induced mechanical hyperalgesia in the rat knee joint; the involvement of bradykinin B₁ and B₂ receptors, 118, 2206
- Synthetic inhibitors of endopeptidase EC 3.4.24.15: potency and stability *in vitro* and *in vivo*, 118, 1269
- [³H]-**Bradykinin binding**, Selective labelling of bradykinin receptor subtypes in WI38 human lung fibroblasts, 119, 863
- Bradykinin receptors**, Development of hyperthermia following intracerebroventricular administration of endotoxin in the rat: effect of kinin B₁ and B₂ receptor antagonists, 117, 684
- Haemodynamic and cardiac effects of kinin B₁ and B₂ receptor stimulation in conscious instrumented dogs, 117, 1565
- Pharmacological and functional characterization of bradykinin receptors in canine cultured tracheal epithelial cells, 119, 439
- Substance P and capsaicin-induced mechanical hyperalgesia in the rat knee joint; the involvement of bradykinin B₁ and B₂ receptors, 118, 2206
- Bradykinin receptor antagonists**, The role of endogenous bradykinin in blood pressure homeostasis in spontaneously hypertensive rats, 118, 1925
- Bradykinin B₁ receptors**, Antinociceptive profile of the pseudopeptide B₂ bradykinin receptor antagonist NPC 18688 in mice, 117, 552
- B₁ bradykinin receptors and sensory neurones, 118, 1469
- Central B₂ receptor involvement in the antinociceptive effect of bradykinin in rats, 118, 1488
- The longitudinal muscle of rat ileum as a sensitive monoreceptor assay for bradykinin B₁ receptors, 117, 1619
- Receptors for kinins in the human isolated umbilical vein, 118, 289
- Selective labelling of bradykinin receptor subtypes in WI38 human lung fibroblasts, 119, 863
- Upregulation of B₁ receptor mediating des-Arg⁹-BK-induced rat paw oedema by systemic treatment with bacterial endotoxin, 117, 793
- Bradykinin B₁ receptor agonists**, Upregulation of B₁ receptor mediating des-Arg⁹-BK-induced rat paw oedema by systemic treatment with bacterial endotoxin, 117, 793
- Bradykinin B₁ receptor antagonists**, Upregulation of B₁ receptor mediating des-Arg⁹-BK-induced rat paw oedema by systemic treatment with bacterial endotoxin, 117, 793
- Bradykinin B₂ receptors**, Antinociceptive profile of the pseudopeptide B₂ bradykinin receptor antagonist NPC 18688 in mice, 117, 552
- Bradykinin and changes in microvascular permeability in the hamster cheek pouch: role of nitric oxide, 118, 1371
- Characterization of the bradykinin receptor in the human nasal airway using the binding of [¹²⁵I]-Hoe 140, 119, 1054
- Receptors for kinins in the human isolated umbilical vein, 118, 289
- The role of the endocardium in the facilitatory effect of bradykinin on electrically-induced release of noradrenaline in rat cardiac ventricle, 118, 364
- Selective labelling of bradykinin receptor subtypes in WI38 human lung fibroblasts, 119, 863
- Upregulation of B₁ receptor mediating des-Arg⁹-BK-induced rat paw oedema by systemic treatment with bacterial endotoxin, 117, 793
- Bradykinin B₂ receptor agonists**, Upregulation of B₁ receptor mediating des-Arg⁹-BK-induced rat paw oedema by systemic treatment with bacterial endotoxin, 117, 793
- Bradykinin B₂ receptor antagonists**, Central B₂ receptor involvement in the antinociceptive effect of bradykinin in rats, 118, 1488
- Upregulation of B₁ receptor mediating des-Arg⁹-BK-induced rat paw oedema by systemic treatment with bacterial endotoxin, 117, 793
- Brain**, Differential regulation of 5-hydroxytryptamine release by GABA_A and GABA_B receptors in midbrain raphe nuclei and forebrain of rats,

- 119, 1375
- Effect of intracerebroventricular and intravenous administration of nitric oxide donors on blood pressure and heart rate in anaesthetized rats, 119, 1422
 - Evidence for *P*-glycoprotein-modulated penetration of morphine-6-glucuronide into brain capillary endothelium, 118, 1879
 - Functional characterization of the 5-HT terminal autoreceptor in the guinea-pig brain cortex, 117, 384
 - Inositol hexakisphosphate binding sites in rat heart and brain, 118, 1615
- Brain, human**, Characterization of the human brain putative A_{2B} adenosine receptor expressed in Chinese hamster ovary (CHO.A_{2B}) cells, 119, 1286
- Brain, rat**, Comparison of the autoradiographic binding distribution of [³H]-gabapentin with excitatory amino acid receptor and amino acid uptake site distributions in rat brain, 118, 457
- Comparison of the uptake of [³H]-gabapentin with the uptake of L-[³H]-leucine into rat brain synaptosomes, 118, 449
 - Desipramine administration in the olfactory bulbectomized rat: changes in brain β -adrenoceptor and 5-HT_{2A} binding sites and their relationship to behaviour, 117, 1481
 - Pharmacological modulation of immunoreactive imidazoline receptor proteins in rat brain: relationship with non-adrenoceptor [³H]-idazoxan binding sites, 118, 2029
 - Regionally different *N*-methyl-D-aspartate receptors distinguished by ligand binding and quantitative autoradiography of [³H]-CGP 39653 in rat brain, 119, 819
- Brain cortex**, The structural requirements for phorbol esters to enhance noradrenaline and dopamine release from rat brain cortex, 119, 115
- Brain slices**, Interactions of 2,3-benzodiazepines and cyclothiazide at AMPA receptors: patch clamp recordings in cultured neurones and area CA1 in hippocampal slices, 117, 1209
- Metabotropic glutamate receptors, transmitter output and fatty acids: studies in rat brain slices, 117, 189
 - Nociceptin induced inhibition of K⁺ evoked glutamate release from rat cerebrocortical slices, 119, 1081
- Brainstem**, Mechanism of inhibition of calcium channels in rat nucleus tractus solitarius by neurotransmitters, 118, 1341
- Brevetoxin**, Inhibition by propofol of [³H]-batrachotoxinin-A 20- α -benzoate binding to voltage-dependent sodium channels in rat cortical synaptosomes, 119, 1498
- BRL 37344**, Biphasic effects of the β -adrenoceptor agonist, BRL 37344, on glucose utilization in rat isolated skeletal muscle, 117, 1355
- Comparison of the profiles of agonists as stimulants of the β_3 -adrenoceptor *in vitro* with their gastroprotective effects in the conscious rat, 117, 580
 - Functional identification of rat atypical β -adrenoceptors by the first β_3 -selective antagonist, aryloxypropanolaminotetralins, 117, 435
 - Mediation of the positive chronotropic effect of CGP 12177 and cyanopindolol in the pithed rat by atypical β -adrenoceptors, different from β_3 -adrenoceptors, 117, 943
- Bronchi**, Influence of regional differences in ET_A and ET_B receptor subtype proportions on endothelin-1-induced contractions in porcine isolated trachea and bronchus, 117, 736
- Bronchi, guinea-pig**, KW-4679-induced inhibition of tachykinergic contraction in the guinea-pig bronchi by prejunctional inhibition of peripheral sensory nerves, 117, 967
- Bronchi, human**, Effects of RP 73401, a novel, potent and selective phosphodiesterase type 4 inhibitor, on contractility of human, isolated bronchial muscle, 118, 1939
- Endothelin_B (ET_B) receptor-activated potentiation of cholinergic nerve-mediated contraction in human bronchus, 118, 1873
 - Necessity of dual blockade of endothelin ET_A and ET_B receptor subtypes for antagonism of endothelin-1-induced contraction in human bronchi, 117, 995
- Bronchi, isolated, human**, Effects of SCA40 on human isolated bronchus and human polymorphonuclear leukocytes: comparison with rolipram, SKF94120 and levcromakalim, 119, 99
- Bronchi, rabbit**, Comparison of endothelin_B (ET_B) receptors in rabbit isolated pulmonary artery and bronchus, 118, 1209
- Bronchial circulation**, Effects of local and systemic budesonide on allergen-induced airway reactions in the pig, 118, 989
- Bronchial hyperresponsiveness**, Involvement of NK₂ receptors rather than NK₁ receptors in bronchial hyperresponsiveness induced by allergic reaction in guinea-pigs, 117, 443
- Bronchoconstriction**, Characterization of adenosine receptors involved in adenosine-induced bronchoconstriction in allergic rabbits, 119, 1262
- The effects of calcitonin gene-related peptide on tracheal smooth muscle of guinea-pigs *in vitro*, 119, 1341
 - The induction of a biphasic bronchospasm by the ET_B agonist, IRL 1620, due to thromboxane A₂ generation and endothelin-1 release in guinea-pigs, 118, 1397
 - The inhibition of antigen-induced eosinophilia and bronchoconstriction by CDP840, a novel stereo-selective inhibitor of phosphodiesterase type 4, 118, 1183
 - Inhibition of bronchospasm and ozone-induced airway hyperresponsiveness in the guinea-pig by CDP840, a novel phosphodiesterase type 4 inhibitor, 118, 1192
 - Investigation of the contributions of nitric oxide and prostaglandins to the actions of endothelins and sarafotoxin 6c in rat isolated perfused lungs, 118, 1931
 - Involvement of central 5-HT_{1A} receptors in the reflex activation of pulmonary vagal motoneurons by inhaled capsaicin in anaesthetized cats, 117, 724
 - Involvement of hydroxyl radicals in neurogenic airway plasma exudation and bronchoconstriction in guinea-pigs *in vivo*, 117, 449
- Bronchodilator tests**, Increased responsiveness of human pulmonary arteries in patients with positive bronchodilator response, 119, 1337
- Bronchospasm**, Inhibition of bronchospasm and ozone-induced airway hyperresponsiveness in the guinea-pig by CDP840, a novel phosphodiesterase type 4 inhibitor, 118, 1192
- Brown adipose tissue**, Functional identification of rat atypical β -adrenoceptors by the first β_3 -selective antagonist, aryloxypropanolaminotetralins, 117, 435
- BS 6181**, Influence of monovalent cations on the binding of a charged and an uncharged ('carbo'-)muscarinic antagonist to muscarinic receptors, 117, 955
- Budesonide**, Effect of the glucocorticosteroid budesonide and a novel phospho-diesterase type 4 inhibitor CDP840 on antigen-induced airway responses in neonatally immunised rabbits, 118, 1201
- Effects of local and systemic budesonide on allergen-induced airway reactions in the pig, 118, 989
- Bupranolol**, (–)-CGP 12177-induced increase of human atrial contraction through a putative third β -adrenoceptor, 117, 93
- Mediation of the positive chronotropic effect of CGP 12177 and cyanopindolol in the pithed rat by atypical β -adrenoceptors, different from β_3 -adrenoceptors, 117, 943
- Bupirone**, Involvement of central 5-HT_{1A} receptors in the reflex activation of pulmonary vagal motoneurons by inhaled capsaicin in anaesthetized cats, 117, 724
- Butyrate**, Mechanism of butyrate-induced vasorelaxation of rat mesenteric resistance artery, 117, 365
- BW 723C86**, Effects of the 5-HT_{2B} receptor agonist, BW 723C86, on three rat models of anxiety, 117, 1443

C

- C2C12 myotubes**, Different mechanisms of Ca²⁺-handling following nicotinic acetylcholine receptor stimulation, P_{2U}-purinoceptor stimulation and K⁺-induced depolarization in C2C12 myotubes, 117, 1785
- C5a**, Effects of theophylline and rolipram on leukotriene C₄ (LTC₄) synthesis and chemotaxis of human eosinophils from normal and atopic subjects, 118, 1727
- C6 glioma cells**, Characterization of Ca²⁺-activated ⁸⁶Rb⁺ fluxes in rat C6 glioma cells: a system of identifying novel IK_{Ca}-channel toxins, 117, 479
- Identification of potent P_{2Y}-purinoceptor agonists that are derivatives of adenosine 5'-monophosphate, 118, 1959
 - Inhibition of ecto-ATPase by PPADS, suramin and reactive blue in endothelial cells, C₆ glioma cells and RAW 264.7 macrophages, 119, 1628
 - The P_{2Y} purinoceptor in rat brain microvascular endothelial cells couple to inhibition of adenylate cyclase, 119, 1385
- 1C11 cells**, Sequential onset of three 5-HT receptors during the 5-

- hydroxytryptaminergic differentiation of the murine 1C11 cell line, 118, 1161
- C-fibres**, The contribution of nitric oxide to endotoxin-induced ocular inflammation: interaction with sensory nerve fibres, 118, 1537
- Evidence for the participation of glutamate in reflexes involving afferent, substance P-containing nerve fibres in the rat, 117, 71
 - Inhibitory action of nociceptin on spinal dorsal horn neurones of the rat, *in vivo*, 118, 1875
- C-fibres, pulmonary**, Effects of levodropropizine on vagal afferent C-fibres in the cat, 117, 853
- c-fos**, Effect of dexfenfluramine on the transcriptional activation of CRF and its type 1 receptor within the paraventricular nucleus of the rat hypothalamus, 117, 1021
- Effect of the Na^+/H^+ antiport inhibitor Hoe 694 on the angiotensin II-induced vascular smooth muscle cell growth, 119, 787
- c-Fos expression**, Intraplantar morphine depresses spinal c-Fos expression induced by carrageenin inflammation but not by noxious heat, 118, 671
- The D_1 receptor-mediated effects of the ergoline derivative LEK-8829 in rats with unilateral 6-hydroxydopamine lesions, 119, 1187
- c-myc**, Antiproliferative and c-myc mRNA suppressive effects of tranilast on newborn human vascular smooth muscle cells in culture, 118, 915
- Caco-2 cells**, Relevance of p-glycoprotein for the enteral absorption of cyclosporin A: *in vitro-in vivo* correlation, 118, 1841
- Transport and epithelial secretion of the cardiac glycoside, digoxin, by human intestinal epithelial (Caco-2) cells, 118, 1389
- Cadmium**, Potentiation by cadmium ion of the ATP-evoked dopamine release in rat pheochromocytoma cells, 117, 950
- Caffeine**, Effects of caffeine and 3-isobutyl-1-methylxanthine on voltage-activated potassium currents in vertebrate neurones and secretory cells, 118, 2145
- Inhibition by sodium nitroprusside of a calcium store depletion-activated non-selective cation current in smooth muscle cells of the mouse anococcygeus, 118, 2001
 - Interleukin- 1β stimulation of $^{45}\text{Ca}^{2+}$ release from rat striatal slices, 118, 1705
 - Investigation of the effects of 5-nitro-2-(3-phenylpropylamino)-benzoic acid (NPPB) on membrane currents in rat portal vein, 117, 175
 - Two distinct membrane currents activated by cyclopiazonic acid-induced calcium store depletion in single smooth muscle cells of the mouse anococcygeus, 117, 566
- Calcimycin**, Action of 5-hydroxytryptamine in facilitating N-methyl-D-aspartate depolarization of cortical neurones mimicked by calcimycin, cyclopiazonic acid and thapsigargin, 119, 877
- Calcineurin**, Modulation by calcineurin of 5-HT $_3$ receptor function in N G 108-15 neuroblastoma x glioma cells, 118, 1836
- Calcitonin**, Different pharmacological characteristics in L $_6$ and C $_2$ C $_{12}$ muscle cells and intact rat skeletal muscle for amylin, CGRP and calcitonin, 117, 847
- Influence of pertussis toxin on the calcitonin-opioid interaction in isolated tissues, 119, 804
 - salmon, Effect of (8-32) salmon calcitonin, an amylin antagonist, on insulin, glucagon and somatostatin release: study in the perfused pancreas of the rat, 117, 347
- Calcitonin gene-related peptide**, Capsinolo: the first β -adrenoceptor blocker with an associated calcitonin gene-related peptide releasing activity in the heart, 119, 7
- The contribution of nitric oxide to endotoxin-induced ocular inflammation: interaction with sensory nerve fibres, 118, 1537
 - Different pharmacological characteristics in L $_6$ and C $_2$ C $_{12}$ muscle cells and intact rat skeletal muscle for amylin, CGRP and calcitonin, 117, 847
 - Effect of (8-32) salmon calcitonin, an amylin antagonist, on insulin, glucagon and somatostatin release: study in the perfused pancreas of the rat, 117, 347
 - Effects of adrenomedullin and calcitonin gene-related peptide on airway and pulmonary vascular smooth muscle in guinea-pigs, 119, 1477
 - The effects of calcitonin gene-related peptide on tracheal smooth muscle of guinea-pigs *in vitro*, 119, 1341
 - Enhancement by calcitonin gene-related peptide of non-contractile Ca^{2+} -induced nicotinic receptor desensitization at the mouse neuromuscular junction, 118, 1971
 - Intrathecal CGRP $_{8-37}$ -induced bilateral increase in hindpaw withdrawal latency in rats with unilateral inflammation, 117, 43
 - Involvement of sensory neuropeptides in the development of plasma extravasation in rat dorsal skin following thermal injury, 117, 1065
 - Rapid nitric oxide- and prostaglandin-dependent release of calcitonin gene-related peptide (CGRP) triggered by endotoxin in rat mesenteric arterial bed, 118, 2164
 - Role of intracellular Ca^{2+} in the K channel opener action of CGRP in the guinea-pig ureter, 118, 1493
- Calcitonin gene-related peptide receptors**, Intrathecal CGRP $_{8-37}$ -induced bilateral increase in hindpaw withdrawal latency in rats with unilateral inflammation, 117, 43
- Multiple receptors for calcitonin gene-related peptide and amylin on guinea-pig ileum and vas deferens, 117, 1362
- Calcitonin gene-related peptide receptor antagonists**, Multiple receptors for calcitonin gene-related peptide and amylin on guinea-pig ileum and vas deferens, 117, 1362
- Calcium**, Alteration by lipopolysaccharide of the relationship between intracellular calcium levels and contraction in rat mesenteric artery, 118, 1218
- Calphostin C-sensitive enhancements of force by lysophosphatidyl-inositol and diacylglycerols in mesenteric arteries from the rat, 119, 15
 - Characterization of metabotropic glutamate receptor-mediated facilitation of N-methyl-D-aspartate depolarization of neocortical neurones, 117, 675
 - Desensitization of glucagon-like peptide 1 receptors in insulin-secreting βTC3 cells: role of PKA-independent mechanisms, 118, 769
 - Different mechanisms of Ca^{2+} -handling following nicotinic acetylcholine receptor stimulation, P $_{2U}$ -purinoceptor stimulation and K^+ -induced depolarization in C2C12 myotubes, 117, 1785
 - Dual regulation of the Na^+/H^+ -exchange in rat peritoneal mast cells: role of protein kinase C and calcium on pH_i regulation and histamine release, 118, 1327
 - Effects of calcium antagonists on endothelin-1-induced myocardial ischaemia and oedema in the rat, 118, 893
 - Elevation of cytosolic calcium by imidazolines in mouse islets of Langerhans: implications for stimulus-response coupling of insulin release, 119, 911
 - Endothelin-1-induced contraction in isolated aortae from normotensive and DOCA-salt hypertensive rats: effect of magnesium, 119, 1367
 - Enhancement by calcitonin gene-related peptide of non-contractile Ca^{2+} -induced nicotinic receptor desensitization at the mouse neuromuscular junction, 118, 1971
 - Inhibition by fenamates of calcium influx and proliferation of human lymphocytes, 119, 487
 - Modification of aortic contractility in the cardiomyopathic hamster, 118, 1141
 - Noradrenaline synthesis after sympathetic nerve activation in rat atria and its dependence on calcium but not CAM kinase II and protein kinases A or C, 119, 1605
 - Potent antagonism by BIM-23056 at the human recombinant somatostatin sst $_5$ receptor, 118, 445
 - Reduction by inhibitors of mono(ADP-ribosyl)transferase of chemotaxis in human neutrophil leucocytes by inhibition of the assembly of filamentous actin, 118, 1111
 - Synergistic inhibition of thrombin-induced platelet aggregation by the novel nitric oxide-donor GEA 3175 and adenosine, 118, 2140
 - Thromboxane A $_2$ -mediated shape change: independent of Gq-phospho C- Ca^{2+} pathway in rabbit platelets, 117, 1095
- Calcium, extracellular**, The role of diacylglycerol and activation of protein kinase C in α_{1A} -adrenoceptor-mediated contraction to nor-adrenaline of rat isolated epididymal vas deferens, 117, 224
- Calcium, intracellular**, Angiotensin II-activated Ca^{2+} entry-induced release of Ca^{2+} from intracellular stores in rat portal vein myocytes, 118, 73
- A cyclic GMP-dependent housekeeping Cl^- channel in rabbit gastric parietal cells activated by a vasodilator ecapapide, 119, 1591
 - δ - and μ -opioid receptor mobilization of intracellular calcium in SH-SY5Y human neuroblastoma cells, 117, 333
 - Different mechanisms of Ca^{2+} -handling following nicotinic acetylcholine receptor stimulation, P $_{2U}$ -purinoceptor stimulation and K^+ -induced depolarization in C2C12 myotubes, 117, 1785

- Dual regulation of cerebrovascular tone by UTP: P_{2U} receptor-mediated contraction and endothelium-dependent relaxation, **118**, 847
 - The effect of the calcium-antagonist nitrendipine on intracellular calcium concentration in endothelial cells, **118**, 1899
 - Effect of cyclosporin A and analogues on cytosolic calcium and vasoconstriction: possible lack of relationship to immunosuppressive activity, **118**, 885
 - Effect of membrane hyperpolarization induced by a K^+ channel opener on histamine-induced Ca^{2+} mobilization in rabbit arterial smooth muscle, **117**, 1302
 - Effects of cyclopiazonic acid and thapsigargin on electromechanical activities and intracellular Ca^{2+} in smooth muscle of carotid artery of hypertensive rats, **118**, 857
 - Effects of SCA40 on human isolated bronchus and human polymorphonuclear leukocytes: comparison with rolipram, SKF94120 and levcromakalim, **119**, 99
 - Evidence for a discrete UTP receptor in cardiac endothelial cells, **117**, 1572
 - Force and intracellular Ca^{2+} during cyclic nucleotide-mediated relaxation of rat anococcygeus muscle and the effects of cyclopiazonic acid, **119**, 1029
 - Functional evidence of inverse agonism in vascular smooth muscle, **119**, 158
 - The histamine H_1 receptor in GT1-7 neuronal cells is regulated by calcium influx and KN-62, a putative inhibitor of calcium/calmodulin protein kinase II, **118**, 1119
 - Influence of authentic nitric oxide on basal cytosolic $[Ca^{2+}]$ and Ca^{2+} release from internal stores in human platelets, **119**, 1361
 - Inhibition by lifarizine of intracellular Ca^{2+} rises and glutamate exocytosis in depolarized rat cerebrocortical synaptosomes and cultured neurones, **118**, 162
 - Inhibition by pentoxifylline of extracellular signal-regulated kinase activation by platelet-derived growth factor in hepatic stellate cells, **119**, 1117
 - The mechanism of relaxation induced by atrial natriuretic peptide in the porcine renal artery, **118**, 343
 - Modulation of agonist-induced phosphoinositide metabolism, Ca^{2+} signalling and contraction of airway smooth muscle by cyclic AMP-dependent mechanisms, **117**, 419
 - Oxytocin receptors expressed and coupled to Ca^{2+} signalling in a human vascular smooth muscle cell line, **117**, 799
 - P_2 -purinoceptor-mediated formation of inositol phosphates and intracellular Ca^{2+} transients in human coronary artery smooth muscle cells, **118**, 1645
 - Properties of spontaneous depolarizations in circular smooth muscle cells of rabbit urethra, **118**, 1627
 - Regulation of histamine H_1 receptor coupling by dexamethasone in human cultured airway smooth muscle, **118**, 1079
 - Vasorelaxant properties of norbormide, a selective vasoconstrictor agent for the rat microvasculature, **117**, 1041
- Calcium, cytosolic, α_{1A} -Adrenoceptor polymorphism:** pharmacological characterization and association with benign prostatic hypertrophy, **118**, 1403
- Characterization of endothelin receptor subtypes mediating Ca^{2+} mobilization and contractile response in rabbit iris dilator muscle, **117**, 1277
 - Co-existence of P_{2Y} - and PPADS-insensitive P_{2U} -purinoceptors in endothelial cells from adrenal medulla, **119**, 1223
 - Dissociation of P_2 purinoceptor-mediated increase in intracellular Ca^{2+} level from myosin light chain phosphorylation and contraction in rat aorta, **118**, 543
 - Effect of the Na^+/H^+ antiport inhibitor Hoe 694 on the angiotensin II-induced vascular smooth muscle cell growth, **119**, 787
 - Effects of cyclopiazonic acid and ryanodine on cytosolic calcium and contraction in vascular smooth muscle, **118**, 1711
 - Effects of PPADS and suramin on contractions and cytoplasmic Ca^{2+} changes evoked by AP_4A , ATP and α,β -methylene ATP in guinea-pig urinary bladder, **117**, 698
 - Effects of purinoceptor agonists on cytosolic Ca^{2+} concentration in swine tracheal smooth muscle cells in culture, **119**, 539
 - Modulation of the hepatic α_1 -adrenoceptor responsiveness by colchicine: dissociation of free cytosolic Ca^{2+} -dependent and independent responses, **118**, 1797
 - Possible mechanism of the potent vasoconstrictor actions of ryanodine on femoral arteries from spontaneously hypertensive rats, **118**, 1019
 - Regulation of cytosolic calcium in skeletal muscle cells of the *mdx* mouse under conditions of stress, **118**, 611
 - Rise in cytosolic Ca^{2+} concentration induced by P_2 -purinoceptor activation in isolated myocytes from the rat gastrointestinal tract, **117**, 775
- Calcium, cytosolic free,** Characterization of the P_{2Y} -purinoceptor involved in the ATP-induced rise in cytosolic Ca^{2+} concentration in rat ileal myocytes, **118**, 2213
- Calcium channels, Angiotensin II-activated Ca^{2+} entry-induced release of Ca^{2+} from intracellular stores in rat portal vein myocytes,** **118**, 73
- Effect of capsaicin and analogues on potassium and calcium currents and vanilloid receptors in *Xenopus* embryo spinal neurones, **119**, 81
 - Effects of ranolazine on L-type calcium channel currents in guinea-pig single ventricular myocytes, **118**, 249
 - Endogenous calcium channels in human embryonic kidney (HEK293) cells, **118**, 748
 - Enhanced vasoconstriction of rat tail arteries by toxoflavin, **117**, 293
 - Extra- and intracellular action of quaternary devapamil on muscle L-type Ca^{2+} -channels, **119**, 1197
 - Inhibition of neuromuscular transmission in the myenteric plexus of guinea-pig ileum by ω -conotoxins GVIA, MVIIA, MVIIC and SVIB, **118**, 797
 - Inhibition of nicotinic receptor-mediated responses in bovine chromaffin cells by diltiazem, **118**, 1301
 - Long Ca^{2+} channel opening induced by large depolarization and Bay K 8644 in smooth muscle cells isolated from guinea-pig detrusor, **119**, 716
 - Nitric oxide, a possible mediator of 1,4-dihydropyridine-induced photorelaxation of vascular smooth muscle, **118**, 879
 - Oestradiol-induced relaxation of rabbit basilar artery by inhibition of voltage-dependent Ca channels through GTP-binding protein, **117**, 351
 - Otilonium: a potent blocker of neuronal nicotinic ACh receptors in bovine chromaffin cells, **117**, 463
 - Propofol regulation of calcium entry pathways in cultured A10 and rat aortic smooth muscle cells, **117**, 5
 - Relative potencies of metal ions on transmitter release at mouse motor nerve terminals, **118**, 27
- Calcium channels, class E,** Endogenous calcium channels in human embryonic kidney (HEK293) cells, **118**, 748
- Calcium channels, L-type,** Cardiotoxicity of emetine dihydrochloride by calcium channel blockade in isolated preparations and ventricular myocytes of guinea-pig hearts, **117**, 377
- The effect of L-type calcium channel modulators on the mobilization of intracellular calcium stores in guinea-pig intestinal smooth muscle, **119**, 142
 - Effects of the BK_{Ca} channel activator, NS1619, on rat cerebral artery smooth muscle, **117**, 119
 - Evidence for mediation by endothelium-derived hyperpolarizing factor of relaxation to bradykinin in the bovine isolated coronary artery independently of voltage-operated Ca^{2+} channels, **117**, 1035
 - Negative chronotropic and inotropic effects exerted by diadenosine hexaphosphate (AP_6A) via A_1 -adenosine receptors, **119**, 835
- Calcium channels, N-type,** Effects of N-, P- and Q-type neuronal calcium channel antagonists on mammalian peripheral neurotransmission, **119**, 49
- Calcium channels, P-type,** Effects of N-, P- and Q-type neuronal calcium channel antagonists on mammalian peripheral neurotransmission, **119**, 49
- Calcium channels, Q-type,** Effects of N-, P- and Q-type neuronal calcium channel antagonists on mammalian peripheral neurotransmission, **119**, 49
- Calcium channels, T-type,** Endogenous calcium channels in human embryonic kidney (HEK293) cells, **118**, 748
- Calcium channels, voltage-sensitive,** Effects of N-, P- and Q-type neuronal calcium channel antagonists on mammalian peripheral neurotransmission, **119**, 49
- The mechanism of acidic pH-induced contraction in aortae from SHR and WKY rats enhanced by increasing blood pressure, **118**, 485

- Possible mechanism of the potent vasoconstrictor actions of ryanodine on femoral arteries from spontaneously hypertensive rats, **118, 1019**
- Calcium channel antagonists**, Action of the calcium channel blocker lacidipine on cardiac hypertrophy and endothelin-1 gene expression in stroke-prone hypertensive rats, **118, 659**
- Calcium entry and 5-HT₂ receptor blockade in oliguric ischaemic acute renal failure: effects of levetimopamil in conscious rats, **117, 1348**
- Effect of amlodipine on renin secretion and renin gene expression in rats, **119, 744**
- The effect of L-type calcium channel modulators on the mobilization of intracellular calcium stores in guinea-pig intestinal smooth muscle, **119, 142**
- Effect of lacidipine on fatty and proliferative lesions induced in hypercholesterolaemic rabbits, **118, 215**
- Effect of verapamil on intimal thickening and vascular reactivity in the collared carotid artery of the rabbit, **118, 1681**
- Effects of calcium antagonists on endothelin-1-induced myocardial ischaemia and oedema in the rat, **118, 893**
- Investigation of the negative inotropic effects of 17 β -oestradiol in human isolated myocardial tissues, **119, 43**
- Oestradiol-induced relaxation of rabbit basilar artery by inhibition of voltage-dependent Ca channels through GTP-binding protein, **117, 351**
- Sources of calcium and α_1 -adrenoceptor-mediated contraction in rat tail artery, **118, 2067**
- Stereoselective effects of the enantiomers, quinidine and quinine, on depolarization- and agonist-mediated responses in rat isolated aorta, **117, 105**
- Vasorelaxant properties of norbormide, a selective vasoconstrictor agent for the rat microvasculature, **117, 1041**
- Calcium channel currents**, Inhibition of Ca²⁺-sensitive K⁺ currents in N^G 108-15 cells by substance P and related tachykinins, **119, 315**
- Modulation by extracellular ATP of L-type calcium channels in guinea-pig single sinoatrial nodal cell, **119, 1454**
- Some evidence against the involvement of arachidonic acid in muscarinic suppression of voltage-gated calcium channel current in guinea-pig ileal smooth muscle cells, **119, 213**
- Calcium currents**, Comparison of the chronic and acute effects of amiodarone on the calcium and potassium currents in rabbit isolated cardiac myocytes, **117, 1181**
- The effect of oxygen free radicals on calcium current and dihydropyridine binding sites in guinea-pig ventricular myocytes, **118, 1278**
- The effects of the muscle relaxant, CS-722, on synaptic activity of cultured neurones, **119, 126**
- Electrophysiological mechanisms for antiarrhythmic efficacy and positive inotropy of liriodenine, a natural aporphine alkaloid from *Fissistigma glaucescens*, **118, 1571**
- Extracellular site for econazole-mediated block of Ca²⁺ release-activated Ca²⁺ current (*I_{CRAC}*) in T lymphocytes, **119, 647**
- Investigation of the effects of 5-nitro-2-(3-phenylpropylamino)-benzoic acid (NPPB) on membrane currents in rat portal vein, **117, 175**
- Mode of action of bradycardic agent, S 16257, on ionic currents of rabbit sinoatrial node cells, **118, 1051**
- A novel antagonist, No. 7943, of the Na⁺/Ca⁺ exchange current in guinea-pig cardiac ventricular cells, **119, 555**
- Oestradiol-induced relaxation of rabbit basilar artery by inhibition of voltage-dependent Ca channels through GTP-binding protein, **117, 351**
- The effect of nociceptin on Ca²⁺ channel current and intracellular Ca²⁺ in the SH-SY5Y human neuroblastoma cell line, **118, 205**
- Calcium currents, calcium release-activated**, Extracellular site for econazole-mediated block of Ca²⁺ release-activated Ca²⁺ current (*I_{CRAC}*) in T lymphocytes, **119, 647**
- Calcium currents, L-type**, Actions of the digitalis analogue strophanthidin on action potentials and L-type calcium current in single cells isolated from the rabbit atrioventricular node, **118, 1447**
- Effects of neuropeptide Y on L-type calcium current in guinea-pig ventricular myocytes, **118, 1455**
- Mediation by nitric oxide of the indirect effects of adenosine on calcium current in rabbit heart pacemaker cells, **119, 1463**
- Calcium efflux**, Effect of cyclosporin A and analogues on cytosolic calcium and vasoconstriction: possible lack of relationship to immunosuppressive activity, **118, 885**
- Calcium influx**, The effect of the PCK inhibitor GF109203X on the release of Ca²⁺ from internal stores and Ca²⁺ entry in DDT₁ MF-2 cells, **119, 730**
- Inhibition by sodium nitroprusside of a calcium store depletion-activated non-selective cation current in smooth muscle cells of the mouse anococcygeus, **118, 2001**
- Inhibition by SK&F96365 of NO-mediated relaxation induced by Ca²⁺-ATPase inhibitors in rat thoracic aorta, **117, 1544**
- Inhibition of a store-operated Ca²⁺ entry pathway in human endothelial cells by the isoquinoline derivative LOE 908, **119, 702**
- Possible mechanism of the potent vasoconstrictor actions of ryanodine on femoral arteries from spontaneously hypertensive rats, **118, 1019**
- Vasorelaxant properties of norbormide, a selective vasoconstrictor agent for the rat microvasculature, **117, 1041**
- Calcium localisation**, Effects of cyclopiazonic acid and ryanodine on cytosolic calcium and contraction in vascular smooth muscle, **118, 1711**
- Calcium mobilisation**, δ - and μ -opioid receptor mobilization of intracellular calcium in SH-SY5Y human neuroblastoma cells, **117, 333**
- The mechanism of acidic pH-induced contraction in aortae from SHR and WKY rats enhanced by increasing blood pressure, **118, 485**
- Role of chondroitin 4-sulphate as a receptor for polycation induced human platelet aggregation, **119, 1447**
- Calcium oscillations**, The histamine H₁ receptor in GT1-7 neuronal cells is regulated by calcium influx and KN-62, a putative inhibitor of calcium/calmodulin protein kinase II, **118, 1119**
- Modulation of carbachol-induced [Ca²⁺]_i oscillations by Ca²⁺ influx in single intestinal smooth muscle cells, **119, 245**
- Calcium overload**, Effects of β -adrenoceptor antagonists on Ca²⁺-overload induced by lysophosphatidylcholine in rat isolated cardiomyocytes, **118, 865**
- Calcium release**, Effect of calmodulin antagonists on calmodulin-induced biphasic modulation of Ca²⁺-induced Ca²⁺ release, **118, 690**
- The effect of the PCK inhibitor GF109203X on the release of Ca²⁺ from internal stores and Ca²⁺ entry in DDT₁ MF-2 cells, **119, 730**
- Induction of calcium release from sarcoplasmic reticulum of skeletal muscle by xanthone and norathyriol, **118, 1736**
- Influence of authentic nitric oxide on basal cytosolic [Ca²⁺] and Ca²⁺ release from internal stores in human platelets, **119, 1361**
- Interleukin-1 β stimulation of ⁴⁵Ca²⁺ release from rat striatal slices, **118, 1705**
- The effect of nociceptin on Ca²⁺ channel current and intracellular Ca²⁺ in the SH-SY5Y human neuroblastoma cell line, **118, 205**
- Calcium sensitivity**, Dual regulation of cerebrovascular tone by UTP: P_{2U} receptor-mediated contraction and endothelium-dependent relaxation, **118, 847**
- Increase by lysophosphatidylcholines of smooth muscle Ca²⁺ sensitivity in α -toxin-permeabilized small mesenteric artery from the rat, **117, 1238**
- The mechanism of relaxation induced by atrial natriuretic peptide in the porcine renal artery, **118, 343**
- Photolysis of the novel inotropes EMD 57033 and EMD 57439: evidence that Ca²⁺ sensitization and phosphodiesterase inhibition depend upon the same enantiomeric site, **118, 2037**
- Calcium stores**, The effect of L-type calcium channel modulators on the mobilization of intracellular calcium stores in guinea-pig intestinal smooth muscle, **119, 142**
- Effects of caffeine and 3-isobutyl-1-methylxanthine on voltage-activated potassium currents in vertebrate neurones and secretory cells, **118, 2145**
- Inhibition of a store-operated Ca²⁺ entry pathway in human endothelial cells by the isoquinoline derivative LOE 908, **119, 702**
- Modulation of carbachol-induced [Ca²⁺]_i oscillations by Ca²⁺ influx in single intestinal smooth muscle cells, **119, 245**
- Two distinct membrane currents activated by cyclopiazonic acid-induced calcium store depletion in single smooth muscle cells of the mouse anococcygeus, **117, 566**
- Calmodulin**, Effect of calmodulin antagonists on calmodulin-induced biphasic modulation of Ca²⁺-induced Ca²⁺ release, **118, 690**
- Functional effects of econazole on inducible nitric oxide synthase: production of a calmodulin-dependent enzyme, **117, 1053**
- Calmodulin antagonists**, Effect of calmodulin antagonists on calmodulin-induced biphasic modulation of Ca²⁺-induced Ca²⁺ release, **118, 690**
- Calpeptin**, Regulation of cytosolic calcium in skeletal muscle cells of the

- mdx* mouse under conditions of stress, 118, 611
- Calphostin C**, The role of diacylglycerol and activation of protein kinase C in α_{1A} -adrenoceptor-mediated contraction to noradrenaline of rat isolated epididymal vas deferens, 117, 224
- Role of protein kinase C in mesenteric pressor responses of rats with portal hypertension, 118, 277
- CAM kinases**, Noradrenaline synthesis after sympathetic nerve activation in rat atria and its dependence on calcium but not CAM kinase II and protein kinases A or C, 119, 1605
- cAMPS**, Mechanism of butyrate-induced vasorelaxation of rat mesenteric resistance artery, 117, 365
- Cannabinoids**, Evidence for the presence of cannabinoid CB₁ receptors in mouse urinary bladder, 118, 2053
- Further evidence for the presence of cannabinoid CB₁ receptors in guinea-pig small intestine, 118, 2199
 - Inhibition of exocytotic noradrenaline release by presynaptic cannabinoid CB₁ receptors on peripheral sympathetic nerves, 118, 2023
 - Physiological and behavioural effects of the endogenous cannabinoid, arachidonyl ethanolamide (anandamide), in the rat, 119, 107
- Cannabinoid receptor agonists**, Evidence for the presence of cannabinoid CB₁ receptors in mouse urinary bladder, 118, 2053
- Further evidence for the presence of cannabinoid CB₁ receptors in guinea-pig small intestine, 118, 2199
- Cannabinoid receptor antagonists**, Evidence for the presence of cannabinoid CB₁ receptors in mouse urinary bladder, 118, 2053
- Further evidence for the presence of cannabinoid CB₁ receptors in guinea-pig small intestine, 118, 2199
- Cannabinoid CB₁ receptors**, Inhibition of exocytotic noradrenaline release by presynaptic cannabinoid CB₁ receptors on peripheral sympathetic nerves, 118, 2023
- Cantharidin**, Effects of cantharidin on force of contraction and phosphatase activity in nonfailing and failing human hearts, 119, 545
- Capsaicin**, Antinociceptive profile of the pseudopeptide B₂ bradykinin receptor antagonist NPC 18688 in mice, 117, 552
- Effect of capsaicin and analogues on potassium and calcium currents and vanilloid receptors in *Xenopus* embryo spinal neurones, 119, 81
 - Intranasal administration of neuropeptide Y in man: systemic absorption and functional effects, 118, 2079
 - Involvement of central 5-HT_{1A} receptors in the reflex activation of pulmonary vagal motoneurons by inhaled capsaicin in anaesthetized cats, 117, 724
 - Involvement of NK₂ receptors rather than NK₁ receptors in bronchial hyperresponsiveness induced by allergic reaction in guinea-pigs, 117, 443
 - Neuropeptide Y Y₂ receptor-mediated attenuation of neurogenic plasma extravasation acting through pertussis toxin-sensitive mechanisms, 119, 229
 - The stimulation of capsaicin-sensitive neurones in a vanilloid receptor-mediated fashion by pungent terpenoids possessing an unsaturated 1,4-dialdehyde moiety, 119, 283
 - Substance P and capsaicin-induced mechanical hyperalgesia in the rat knee joint: the involvement of bradykinin B₁ and B₂ receptors, 118, 2206
- Capsaicin analogues**, Capsinolol: the first β -adrenoceptor blocker with an associated calcitonin gene-related peptide releasing activity in the heart, 119, 7
- Capsazepine**, Capsinolol: the first β -adrenoceptor blocker with an associated calcitonin gene-related peptide releasing activity in the heart, 119, 7
- Effect of capsaicin and analogues on potassium and calcium currents and vanilloid receptors in *Xenopus* embryo spinal neurones, 119, 81
 - The stimulation of capsaicin-sensitive neurones in a vanilloid receptor-mediated fashion by pungent terpenoids possessing an unsaturated 1,4-dialdehyde moiety, 119, 283
- Capsinolol**, Capsinolol: the first β -adrenoceptor blocker with an associated calcitonin gene-related peptide releasing activity in the heart, 119, 7
- Captopril**, Comparison of angiotensin II type 1 receptor blockade and angiotensin-converting enzyme inhibition in pregnant sheep during late gestation, 119, 393
- The role of endogenous bradykinin in blood pressure homeostasis in spontaneously hypertensive rats, 118, 1925
 - Temporal differences between the involvement of angiotensin II and endothelin in the cardiovascular responses to endotoxaemia in conscious rats, 119, 1619
- Carbachol**, Inhibition by sodium nitroprusside of a calcium store depletion-activated non-selective cation current in smooth muscle cells of the mouse anococcygeus, 118, 2001
- Modulation of carbachol-induced [Ca²⁺]_i oscillations by Ca²⁺ influx in single intestinal smooth muscle cells, 119, 245
 - Some evidence against the involvement of arachidonic acid in muscarinic suppression of voltage-gated calcium channel current in guinea-pig ileal smooth muscle cells, 119, 213
- Carbamazepine**, The effects of anticonvulsants on 4-aminopyridine-induced bursting: *in vitro* studies on rat peripheral nerve and dorsal roots, 117, 573
- Carbetapentane**, Effects of sigma ligands on the cloned μ -, δ - and κ -opioid receptors co-expressed with G-protein-activated K⁺ (GIRK) channel in *Xenopus* oocytes, 119, 73
- Carbohydrate metabolism**, Effects of selective phosphodiesterase 3 inhibition in the perfused liver of the rat after endotoxin treatment, 118, 790
- Carbon monoxide**, Carbon monoxide-induced relaxation of the ductus arteriosus in the lamb: evidence against the prime role of guanylyl cyclase, 118, 1689
- Localization and activity of haem oxygenase and functional effects of carbon monoxide in the feline lower oesophageal sphincter, 118, 392
- 5-Carboxamidotryptamine (5-CT)**, Characterization of putative 5-HT₇ receptors mediating direct relaxation in *Cynomolgus* monkey isolated jugular vein, 117, 926
- Influence of the endothelium and nitric oxide on the contractile responses evoked by 5-HT_{1D} receptor agonists in the rabbit isolated saphenous vein, 119, 35
- Carboxy-PTIO**, Antioxidant protection of NO-induced relaxations of the mouse anococcygeus against inhibition by superoxide anions, hydroquinone and carboxy-PTIO, 119, 432
- Blockade of nitrergic transmission by hydroquinone, hydroxocobalamin and carboxy-PTIO in bovine retractor penis: role of superoxide anion, 117, 1633
- Cardiac contractility**, Assessment of the role of the renin-angiotensin system in cardiac contractility utilizing the renin inhibitor remikiren, 117, 891
- Cardiac glycosides**, Actions of the digitalis analogue strophanthidin on action potentials and L-type calcium current in single cells isolated from the rabbit atrioventricular node, 118, 1447
- Transport and epithelial secretion of the cardiac glycoside, digoxin, by human intestinal epithelial (Caco-2) cells, 118, 1389
- Cardiac hypertrophy**, Action of the calcium channel blocker lacidipine on cardiac hypertrophy and endothelin-1 gene expression in stroke-prone hypertensive rats, 118, 659
- Cardiac muscle**, Investigation of the negative inotropic effects of 17 β -oestradiol in human isolated myocardial tissues, 119, 43
- Photolysis of the novel inotropes EMD 57033 and EMD 57439: evidence that Ca²⁺ sensitization and phosphodiesterase inhibition depend upon the same enantiomeric site, 118, 2037
- Cardiac output**, The vasoconstrictor effects of L-NAME, a nitric oxide synthase inhibitor, in pregnant rabbits, 118, 1012
- Cardiac pacemaker cells**, Mediation by nitric oxide of the indirect effects of adenosine on calcium current in rabbit heart pacemaker cells, 119, 1463
- Cardiomyocytes**, Effects of β -adrenoceptor antagonists on Ca²⁺-overload induced by lysophosphatidylcholine in rat isolated cardiomyocytes, 118, 865
- Cardioprotection**, Inhibition of glycolysis and enhanced mechanical function of working rat hearts as a result of adenosine A₁ receptor stimulation during reperfusion following ischaemia, 118, 355
- The mechanism of cardioprotection by S-nitrosoglutathione monoethyl ester in rat isolated heart during cardioplegic ischaemic arrest, 119, 511
 - Protective action of hydroxyethyl rutosides on singlet oxygen challenged cardiomyocytes, 119, 671
- Cardiotonic agents**, Photolysis of the novel inotropes EMD 57033 and EMD 57439: evidence that Ca²⁺ sensitization and phosphodiesterase inhibition depend upon the same enantiomeric site, 118, 2037

- Cardiotoxicity**, Cardiotoxicity of emetine dihydrochloride by calcium channel blockade in isolated preparations and ventricular myocytes of guinea-pig hearts, 117, 377
- Development of the model of rat isolated perfused heart for the evaluation of anthracycline cardiotoxicity and its circumvention, 117, 1593
- Cardiovascular effects**, Pharmacokinetic-haemodynamic relationships of 2-chloroadenosine at adenosine A₁ and A_{2a} receptors *in vivo*, 118, 369
- Cardiovascular responses**, Role of brainstem adenosine A₁ receptors in the cardiovascular response to hypothalamic defence area stimulation in the anaesthetized rat, 117, 277
- Cardiovascular system**, Cardiovascular responses to intrathecal neuropeptide γ in conscious rats: receptor characterization and mechanism of action, 117, 250
- Intracerebroventricular responses to neuropeptide γ in the conscious rat: characterization of its receptor with selective antagonists, 117, 241
 - Study of SR 142801, a new potent non-peptide NK₃ receptor antagonist on cardiovascular responses in conscious guinea-pig, 118, 1095
- Carrageenin**, Anti-inflammatory effects of theophylline, cromolyn and salbutamol in a murine model of pleurisy, 118, 811
- Effects of a partial agonist and a full antagonist acting at the glycine site of the NMDA receptor on inflammation-induced mechanical hyperalgesia in rats, 117, 1487
 - Intraplantar morphine depresses spinal c-Fos expression induced by carrageenin inflammation but not by noxious heat, 118, 671
 - Intrathecal CGRP₈₋₃₇-induced bilateral increase in hindpaw withdrawal latency in rats with unilateral inflammation, 117, 43
 - Involvement of endogenous nitric oxide in the mechanism of bradykinin-induced peripheral hyperalgesia, 117, 407
 - Nitric oxide: a key mediator in the early and late phase of carrageenan-induced rat paw inflammation, 118, 829
- Cartilage**, Characterization of the PGE₂ receptor subtype in bovine chondrocytes in culture, 118, 1597
- Catalepsy**, Prevention by (\pm)-8-hydroxy-2-(di-n-propylamino)tetralin of both catalepsy and the rises in rat striatal dopamine metabolism caused by haloperidol, 118, 421
- Catecholamine release**, Otilonium: a potent blocker of neuronal nicotinic ACh receptors in bovine chromaffin cells, 117, 463
- Catechol-O-methyltransferase**, Ontogenic aspects of liver and kidney catechol-O-methyltransferase sensitivity to tolcapone, 117, 516
- Cation currents, non-selective**, Inhibition by sodium nitroprusside of a calcium store depletion-activated non-selective cation current in smooth muscle cells of the mouse anococcygeus, 118, 2001
- Two distinct membrane currents activated by cyclopiazonic acid-induced calcium store depletion in single smooth muscle cells of the mouse anococcygeus, 117, 566
- Cationic amphiphilic drugs**, Inhibition by vitamin E of drug accumulation and of phospholipidosis induced by desipramine and other cationic amphiphilic drugs in human cultured cells, 119, 829
- Caudate**, Differential desensitization of μ - and δ -opioid receptors in selected neural pathways following chronic morphine treatment, 117, 161
- Prevention by (\pm)-8-hydroxy-2-(di-n-propylamino)tetralin of both catalepsy and the rises in rat striatal dopamine metabolism caused by haloperidol, 118, 421
 - Two simultaneously working storage pools of dopamine in mouse caudate and nucleus accumbens, 119, 869
- [¹²⁵I]-BH-CCK8S**, Analysis of variation in L-365,260 competition curves in radioligand binding assays, 118, 1717
- L-CCG**, Pharmacological characterization of metabotropic glutamate receptors potentiating NMDA responses in mouse cortical wedge preparations, 118, 1530
- CCK₈/gastrin receptors**, Pharmacological analysis of the CCK₈/gastrin receptors mediating pentagastrin-stimulated gastric acid secretion in the isolated stomach of the immature rat, 119, 1401
- CD11b/CD18**, Characterization of the pharmacological profile of the potent LTB₄ antagonist CP-105,696 on murine LTB₄ receptors *in vitro*, 117, 1127
- CDP 840**, The inhibition of antigen-induced eosinophilia and bronchoconstriction by CDP840, a novel stereo-selective inhibitor of phosphodiesterase type 4, 118, 1183
- Inhibition of bronchospasm and ozone-induced airway hyperresponsiveness in the guinea-pig by CDP840, a novel phosphodiesterase type 4 inhibitor, 118, 1192
- Celiprolol**, Effect of celiprolol therapy on arterial dilatation in experimental hypertension, 119, 1137
- Cell culture**, Inhibition by vitamin E of drug accumulation and of phospholipidosis induced by desipramine and other cationic amphiphilic drugs in human cultured cells, 119, 829
- Cell growth**, Effect of the Na⁺/H⁺ antiport inhibitor Hoe 694 on the angiotensin II-induced vascular smooth muscle cell growth, 119, 787
- Cell survival**, Cyclic AMP-elevating agents prolong or inhibit eosinophil survival depending on prior exposure to GM-CSF, 117, 79
- Cellular proliferation**, Inhibition by fenamates of calcium influx and proliferation of human lymphocytes, 119, 487
- Central nervous system**, Reversal by NPY, PYY and 3-36 molecular forms of NPY and PYY of intracisternal CRF-induced inhibition of gastric acid secretion in rats, 118, 237
- Cerebellar granule cells**, The effect of GABA stimulation on GABA_A receptor subunit protein and mRNA expression in rat cultured cerebellar granule cells, 119, 1393
- Cerebellum**, Desensitization of AMPA receptors and AMPA-NMDA receptor interaction: an *in vivo* cyclic GMP microdialysis study in rat cerebellum, 117, 1133
- Evidence for mediation of L-2-chloropropionic acid-induced delayed neuronal cell death by activation of a constitutive nitric oxide synthase, 119, 374
 - *In vivo* microdialysis study of a specific inhibitor of soluble guanylyl cyclase on the glutamate receptor/nitric oxide/cyclic GMP pathway, 119, 590
- Cerebellum, guinea-pig**, Coupling of metabotropic glutamate receptors to phosphoinositide mobilisation and inhibition of cyclic AMP generation in the guinea-pig cerebellum, 118, 311
- Cerebellum, rat**, Characterization of [¹²⁵I]-endothelin-1 and [¹²⁵I]-BQ3020 binding to rat cerebellar endothelin receptors, 118, 2126
- Possible role of nitric oxide in the development of L-2-chloropropionic acid-induced cerebellar granule cell necrosis, 117, 1761
- Cerebral cortex**, Action of 5-hydroxytryptamine in facilitating N-methyl-D-aspartate depolarization of cortical neurones mimicked by calcimycin, cyclopiazonic acid and thapsigargin, 119, 877
- Mediation by neurotensin-receptors of effects of neurotensin on self-stimulation of the medial prefrontal cortex, 119, 299
 - Stimulatory effects of the putative metabotropic glutamate receptor antagonist L-AP3 on phosphoinositide turnover in neonatal rat cerebral cortex, 117, 1309
- Cerebral cortex, guinea-pig**, Functional characterization of the 5-HT terminal autoreceptor in the guinea-pig brain cortex, 117, 384
- Cerebral cortex, rat**, [³H]-thioperamide as a radioligand for the histamine H₃ receptor in rat cerebral cortex, 118, 2045
- A possible structural determinant of selectivity of boldine and derivatives for the α_{1A} -adrenoceptor subtype, 119, 1563
- CGP 12177**, (–)-CGP 12177-induced increase of human atrial contraction through a putative third β -adrenoceptor, 117, 93
- *In situ* assessment of the role of the β_1 -, β_2 - and β_3 -adrenoceptors in the control of lipolysis and nutritive blood flow in human subcutaneous adipose tissue, 117, 907
 - Mediation of the positive chronotropic effect of CGP 12177 and cyanopindolol in the pithed rat by atypical β -adrenoceptors, different from β_3 -adrenoceptors, 117, 943
- CGP 20712**, Mediation of the positive chronotropic effect of CGP 12177 and cyanopindolol in the pithed rat by atypical β -adrenoceptors, different from β_3 -adrenoceptors, 117, 943
- CGP 35348**, Human brain somatostatin release from isolated cortical nerve endings and its modulation through GABA_B receptors, 118, 1441
- CGP 36742**, GABA, glutamate and substance P-like immunoreactivity release: effects of novel GABA_B antagonists, 118, 1153
- CGP 39653**, Regionally different N-methyl-D-aspartate receptors distinguished by ligand binding and quantitative autoradiography of [³H]-CGP 39653 in rat brain, 119, 819
- CGP 42112**, Potentiation of purinergic transmission by angiotensin in prostatic rat vas deferens, 118, 1523
- CGP 47656**, Human brain somatostatin release from isolated cortical nerve

- endings and its modulation through GABA_B receptors, 118, 1441
- CGP 52432**, GABA, glutamate and substance P-like immunoreactivity release: effects of novel GABA_A antagonists, 118, 1153
- Human brain somatostatin release from isolated cortical nerve endings and its modulation through GABA_B receptors, 118, 1441
- CGP 55845A**, GABA, glutamate and substance P-like immunoreactivity release: effects of novel GABA_A antagonists, 118, 1153
- CGP 56999A**, GABA, glutamate and substance P-like immunoreactivity release: effects of novel GABA_A antagonists, 118, 1153
- CGP 57250A**, GABA, glutamate and substance P-like immunoreactivity release: effects of novel GABA_A antagonists, 118, 1153
- CGS 21680**, Binding of the radioligand [³H]-SCH 58261, a new non-xanthine A_{2A} adenosine receptor antagonist, to rat striatal membranes, 117, 1381
- Block by N⁶-L-phenylisopropyl-adenosine of the electrophysiological and morphological correlates of hippocampal ischaemic injury in the gerbil, 118, 1551
 - Inhibition of glycolysis and enhanced mechanical function of working rat hearts as a result of adenosine A₁ receptor stimulation during reperfusion following ischaemia, 118, 355
- [³H]-CGS 21680 binding**, Pharmacological and biochemical characterization of purified A_{2A} adenosine receptors in human platelet membranes by [³H]-CGS 21680 binding, 117, 1693
- Channel gating**, Diadenosine tetraphosphate-induced inhibition of ATP-sensitive K⁺ channels in patches excised from ventricular myocytes, 117, 233
- Channel kinetics**, Long Ca²⁺ channel opening induced by large depolarization and Bay K 8644 in smooth muscle cells isolated from guinea-pig detrusor, 119, 716
- Channels, cloned**, Mechanisms of block of a human cloned potassium channel by the enantiomers of a new bradycardic agent: S-16257-2 and S-16260-2, 117, 1293
- Charybdotoxin**, Characterization of Ca²⁺-activated ⁸⁶Rb⁺ fluxes in rat C6 glioma cells: a system of identifying novel IK_{Ca}-channel toxins, 117, 479
- Comparison of the effects of nicorandil, pinacidil and nitroglycerin on hypoxic and hypercapnic pulmonary vasoconstriction in the isolated perfused lung of rat, 117, 633
 - Effects of some K⁺-channel inhibitors on the electrical behaviour of guinea-pig isolated trachealis and on its responses to spasmogenic drugs, 117, 1653
 - Endothelium-derived factors and hyperpolarization of the carotid artery of the guinea-pig, 119, 959
 - VIP- and PACAP-mediated nonadrenergic, noncholinergic inhibition in longitudinal muscle of rat distal colon: involvement of activation of charybdotoxin- and apamin-sensitive K⁺ channels, 119, 623
- Chelerythrine chloride**, Differential effects of protein kinase C inhibitors on chemokine production in human synovial fibroblasts, 117, 1245
- Chemiluminescence**, Interaction of nitric oxide synthase inhibitors and their D-enantiomers with rat neutrophil luminol dependent chemiluminescence response, 119, 578
- Nitric oxide, a possible mediator of 1,4-dihydropyridine-induced photo-relaxation of vascular smooth muscle, 118, 879
- Chemoattractants**, Drug-induced *in vitro* inhibition of neutrophil-endothelial cell adhesion, 118, 471
- Chemokines**, Differential effects of protein kinase C inhibitors on chemokine production in human synovial fibroblasts, 117, 1245
- Interleukin-8 production by the human colon epithelial cell line HT-29: modulation by interleukin-13, 119, 351
- Chemotaxis**, Characterization of the pharmacological profile of the potent LTB₄ antagonist CP-105,696 on murine LTB₄ receptors *in vitro*, 117, 1127
- Effects of theophylline and rolipram on leukotriene C₄ (LTC₄) synthesis and chemotaxis of human eosinophils from normal and atopic subjects, 118, 1727
 - Reduction by inhibitors of mono(ADP-ribosyl)transferase of chemotaxis in human neutrophil leucocytes by inhibition of the assembly of filamentous actin, 118, 1111
- Chenodeoxycholic acid**, Permeation enhancement of octreotide by specific bile salts in rats and human subjects: *in vitro*, *in vivo* correlations, 117, 217
- Chewing**, Inhibition by memantine of the development of persistent oral dyskinesias induced by long-term haloperidol treatment of rats, 119, 751
- CHF 2363**, The involvement of the release of nitric oxide in the pharmacological activity of the new furoxan derivative CHF 2363, 118, 923
- Chloride channels**, Allosteric modulation of an expressed homo-oligomeric GABA-gated chloride channel of *Drosophila melanogaster*, 117, 1229
- A cyclic GMP-dependent housekeeping Cl⁻ channel in rabbit gastric parietal cells activated by a vasodilator ecabapide, 119, 1591
 - Phorbol ester activation of chloride current in guinea-pig ventricular myocytes, 117, 1395
- Chloride channels, calcium-sensitive**, Properties of spontaneous depolarizations in circular smooth muscle cells of rabbit urethra, 118, 1627
- Chloride channel blockers**, Activation of potassium currents by inhibitors of calcium-activated chloride conductance in rabbit portal vein smooth muscle cells, 118, 513
- Chloride channel blockers decrease intracellular pH in cultured renal epithelial LLC-PK₁ cells, 118, 443
- Chloride conductance**, Inhibition by P1075 and pinacidil of a calcium-independent chloride conductance in conditionally-immortal renal glomerular mesangial cells, 119, 772
- Chloride currents**, Activation of cardiac chloride conductance by the tyrosine kinase inhibitor, genistein, 119, 335
- Blockade of swelling-induced chloride channels by phenol derivatives, 118, 41
 - Investigation of the effects of 5-nitro-2-(3-phenylpropylamino)-benzoic acid (NPPB) on membrane currents in rat portal vein, 117, 175
 - Potentiation of chloride responses to glycine by three 5-HT₃ antagonists in rat spinal neurones, 118, 2115
 - Potentiation by sevoflurane of the γ-aminobutyric acid-induced chloride current in acutely dissociated CA1 pyramidal neurones from rat hippocampus, 119, 1013
- Chloride currents, calcium-activated**, Effect of niflumic acid on noradrenaline-induced contractions of the rat aorta, 118, 1065
- Chloride currents, calcium-dependent**, Two distinct membrane currents activated by cyclopiazonic acid-induced calcium store depletion in single smooth muscle cells of the mouse aorticocoegeus, 117, 566
- Chloride currents, volume-activated**, Potent block of volume-activated chloride currents in endothelial cells by the uncharged form of quinine and quinidine, 118, 1869
- Chloride secretion**, Cyclic AMP-dependent regulation of K⁺ transport in the rat distal colon, 118, 1477
- The functional investigation of a human adenocarcinoma cell line, stably transfected with the neuropeptide Y Y₁ receptor, 119, 321
- Chlorisondamine**, Release of [³H]-noradrenaline from rat hippocampal synaptosomes by nicotine: mediation by different nicotinic receptor subtypes from striatal [³H]-dopamine release, 117, 595
- 2-Chloroadenosine (CADO)**, Pharmacokinetic-haemodynamic relationships of 2-chloroadenosine at adenosine A₁ and A_{2A} receptors *in vivo*, 118, 369
- Chloroethylclonidine**, α-Adrenoceptor mediated responses of the cauda epididymis of the guinea-pig, 119, 1203
- Comparison of guinea-pig, bovine and rat α₁-adrenoceptor subtypes, 117, 703
 - Unusual α-adrenoceptor subtype in canine saphenous vein: comparison to mesenteric vein, 117, 1535
- 7-Chlorokynurenate**, Investigation of the involvement of the N-methyl-D-aspartate receptor macrocomplex in the development of spermine-induced CNS excitation *in vivo*, 117, 1803
- Chlorophenyl imidazole**, Inhibition of nitric oxide synthase by 1-(2-trifluoromethylphenyl) imidazole (TRIM) *in vitro*: antinociceptive and cardiovascular effects, 119, 423
- m-Chlorophenylpiperazine**, *In vitro* and *in vivo* profile of SB 206553, a potent 5-HT_{2C/5-HT_{2B}} receptor antagonist with anxiolytic-like properties, 117, 427
- Chloropropionic acid**, Possible role of nitric oxide in the development of L-2-chloropropionic acid-induced cerebellar granule cell necrosis, 117, 1761
- L-2-Chloropropionic acid**, Evidence for mediation of L-2-chloropropionic acid-induced delayed neuronal cell death by activation of a constitutive

- nitric oxide synthase, 119, 374
- CHO cells**, The binding characteristics of a human bladder recombinant P_{2X} purinoceptor, labelled with [³H]-αβmeATP, [³⁵S]-ATPγS or [³²P]-ATP, 117, 1254
- Characterization of a 5-HT_{1B} receptor on CHO cells: functional responses in the absence of radioligand binding, 117, 1119
 - Characterization of the human brain putative A_{2B} adenosine receptor expressed in Chinese hamster ovary (CHO.A_{2B4}) cells, 119, 1286
 - A comparison of the binding characteristics of recombinant P_{2X1} and P_{2X2} purinoceptors, 118, 1806
 - Regulation of the human histamine H₁ receptor stably expressed in Chinese hamster ovary cells, 117, 1071
- Cholecalciferol**, Effect of treatment with cholecalciferol on the membrane potential and contractility of aortae from spontaneously hypertensive rats, 118, 1367
- Cholecystokinin**, Analysis of variation in L-365,260 competition curves in radioligand binding assays, 118, 1717
- Effect of CCK receptor antagonists on the antinociceptive, reinforcing and gut motility properties of morphine, 118, 1317
 - Impairment of stress adaptive behaviours in rats by the CCK_A receptor antagonist, devazepide, 118, 400
- Cholecystokinin receptors**, Analysis of the variation in the action of L-365,260 at CCK_B/gastrin receptors in rat, guinea-pig and mouse isolated gastric tissue assays, 118, 1779
- Impairment of stress adaptive behaviours in rats by the CCK_A receptor antagonist, devazepide, 118, 400
- Cholecystokinin receptor antagonists**, Effect of CCK receptor antagonists on the antinociceptive, reinforcing and gut motility properties of morphine, 118, 1317
- Cholecystokinin CCK_A receptor antagonists**, Pharmacological profile of TP-680, a new cholecystokinin_A receptor antagonist, 117, 1558
- Cholecystokinin CCK_B receptors**, Similar decrease in spontaneous morphine abstinence by methadone and RB 101, an inhibitor of enkephalin catabolism, 119, 174
- Cholesterol**, The influence of membrane cholesterol on the GABA_A receptor, 117, 87
- Inhibitory effects of fluvastatin, a new HMG-CoA reductase inhibitor, on the increase in vascular ACE activity in cholesterol-fed rabbits, 119, 1269
- Cholesterol-lowering drugs**, Differences in hypolipidaemic effects of two statins on Hep G2 cells or human hepatocytes in primary culture, 118, 1862
- Cholesterolaemia**, Preservation of endothelium-dependent relaxation in cholesterol-fed and streptozotocin-induced diabetic mice by the chronic administration of cholestyramine, 118, 385
- Cholestyramine**, Preservation of endothelium-dependent relaxation in cholesterol-fed and streptozotocin-induced diabetic mice by the chronic administration of cholestyramine, 118, 385
- Cholinergic contractions**, Role of κ opioid receptors in modulating cholinergic twitches in the circular muscle of guinea-pig colon, 119, 985
- Cholinergic nerves**, Endothelin_B (ET_B) receptor-activated potentiation of cholinergic nerve-mediated contraction in human bronchus, 118, 1873
- Influence of respiratory tract viral infection on endothelin-1-induced potentiation of cholinergic nerve-mediated contraction in mouse trachea, 119, 891
 - Inhibition by endothelin-1 of cholinergic nerve-mediated acetylcholine release and contraction in sheep isolated trachea, 118, 762
- Cholinergic neurotransmission**, Paradoxical facilitation of acetylcholine release from parasympathetic nerves innervating guinea-pig trachea by isoprenaline, 117, 1413
- Cholinergic responses**, Development of cholinergic and inhibitory non-adrenergic non-cholinergic responses in the rat gastric fundus, 118, 1987
- Chondrocytes**, Characterization of the PGE₂ receptor subtype in bovine chondrocytes in culture, 118, 1597
- Chondroitin 4-sulphate**, Role of chondroitin 4-sulphate as a receptor for polycation induced human platelet aggregation, 119, 1447
- Chorionic gonadotropin, human**, Inhibition by amphetamine of testosterone secretion through a mechanism involving an increase of cyclic AMP production in rat testes, 118, 984
- Chromaffin cells**, Inhibition of nicotinic receptor-mediated responses in bovine chromaffin cells by diltiazem, 118, 1301
- Inhibition of nicotinic responses of bovine adrenal chromaffin cells by the protein kinase C inhibitor, Ro 31-8220, 119, 416
 - Otilonium: a potent blocker of neuronal nicotinic ACh receptors in bovine chromaffin cells, 117, 463
- Chronotropic effects**, Direct chronotropic effects of atrial and C-type natriuretic peptides in anaesthetized dogs, 118, 1790
- Direct positive chronotropic effects of angiotensin II and angiotensin III in pithed rats and in rat isolated atria, 118, 1653
 - Mediation of the positive chronotropic effect of CGP 12177 and cyanopindolol in the pithed rat by atypical β-adrenoceptors, different from β₃-adrenoceptors, 117, 943
- Chronotropy**, Negative chronotropic and inotropic effects exerted by diadenosine hexaphosphate (AP₆A) via A₁-adenosine receptors, 119, 835
- Cibenzoline**, Block of pancreatic ATP-sensitive K⁺ channels and insulinotropic action by the antiarrhythmic agent, cibenzoline, 117, 1749
- Ciclazindol**, Pharmacological characterization of the inwardly-rectifying current in the smooth muscle cells of the rat bladder, 119, 1509
- Cigarette smoke**, Involvement of hydroxyl radicals in neurogenic airway plasma exudation and bronchoconstriction in guinea-pigs *in vivo*, 117, 449
- Cinanserine**, Involvement of central 5-HT_{1A} receptors in the reflex activation of pulmonary vagal motoneurons by inhaled capsaicin in anaesthetized cats, 117, 724
- Circulation, pulmonary**, Evidence for a P₂-purinoceptor mediating vasoconstriction by UTP, ATP and related nucleotides in the isolated pulmonary vascular bed of the rat, 118, 1415
- Investigation of the contributions of nitric oxide and prostaglandins to the actions of endothelins and sarafotoxin 6c in rat isolated perfused lungs, 118, 1931
- Circulatory failure**, Role of nitric oxide in the circulatory failure and organ injury in a rodent model of Gram-positive shock, 119, 1411
- Circulatory shock**, Attenuation of endotoxin-induced multiple organ dysfunction by 1-amino-2-hydroxy-guanidine, a potent inhibitor of inducible nitric oxide synthase, 118, 261
- Cirrhosis**, Vasoconstrictor responsiveness of the rat mesenteric arterial bed in cirrhosis, 118, 435
- Cisapride**, Cisapride-induced prolongation of cardiac action potential and early afterdepolarizations in rabbit Purkinje fibres, 117, 1377
- Cisplatin**, The action of the NK₁ tachykinin receptor antagonist, CP 99,994, in antagonizing the acute and delayed emesis induced by cisplatin in the ferret, 119, 931
- An interaction of ondansetron and dexamethasone antagonizing cisplatin-induced acute and delayed emesis in the ferret, 118, 209
- Citrulline**, Anticonvulsant effects of 7-nitroindazole in rodents with reflex epilepsy may result from L-arginine accumulation or a reduction in nitric oxide or L-citrulline formation, 119, 165
- Nitric oxide synthase activity and non-adrenergic non-cholinergic relaxation in the rat gastric fundus, 117, 717
- CL 316243**, Biphasic effects of the β-adrenoceptor agonist, BRL 37344, on glucose utilization in rat isolated skeletal muscle, 117, 1355
- Comparison of the profiles of agonists as stimulants of the β₃-adrenoceptor *in vitro* with their gastroprotective effects in the conscious rat, 117, 580
- Cl⁻/HCO₃⁻ exchange**, Effect of Hoe 694, a novel Na⁺-H⁺ exchange inhibitor, on intracellular pH regulation in the guinea-pig ventricular myocyte, 118, 1905
- Clofibrate**, Decreased susceptibility to copper-induced oxidation of rat-lipoproteins after fibrate treatment: influence of fatty acid composition, 117, 1155
- Cloned receptors**, Agonist pharmacology of two *Drosophila* GABA receptor splice variants, 119, 1577
- Clonidine**, α-Adrenoceptor and opioid receptor modulation of clonidine-induced antinociception, 119, 551
- Altered thermoregulatory responses to clonidine in streptozotocin-diabetic rats, 117, 938
 - Antagonism by idazoxan at low dose but not high dose, of the natriuretic action of moxonidine, 117, 29
 - Clonidine-induced increase in osmolar clearance and free water clearance via activation of two distinct α₂-adrenoceptor sites, 119, 663

- A comparative study of the reversal by different α_2 -adrenoceptor antagonists of the central sympatho-inhibitory effect of clonidine, 117, 587
- Influence of pertussis toxin on the calcitonin-opioid interaction in isolated tissues, 119, 804
- Modelling the changes induced by chronic desipramine treatment on the factors governing the agonism at prejunctional α_2 -adrenoceptors, 117, 1286
- Similar decrease in spontaneous morphine abstinence by methadone and RB 101, an inhibitor of enkephalin catabolism, 119, 174
- Clorgyline**, Electrophysiological effects of monoamine oxidase inhibition on rat midbrain dopaminergic neurones: an *in vitro* study, 117, 528
- Cloricromene**, Inhibition of PAF synthesis by stimulated human polymorphonuclear leucocytes with cloricromene, an inhibitor of phospholipase A₂ activation, 118, 1351
- Clotrimazole**, Effects of cytochrome P450 inhibitors on potassium currents and mechanical activity in rat portal vein, 119, 691
- Inhibitors of the cytochrome P450-mono-oxygenase and endothelium-dependent hyperpolarizations in the guinea-pig isolated carotid artery, 117, 607
- Coagulation**, Antithrombotic actions of the thrombin inhibitor, argatroban, in a canine model of coronary cyclic flow: comparison with heparin, 118, 727
- Effects of UR-12633, a new antagonist of platelet-activating factor, in rodent models of endotoxic shock, 118, 1223
- Cocaine**, Cocaine-induced microvascular vasoconstriction but differential systemic haemodynamic responses in Yucatan versus Yorkshire varieties of swine, 117, 559
- Nitric oxide as a mediator of cocaine-induced penile erection in the rat, 118, 155
- Cognition**, Human brain somatostatin release from isolated cortical nerve endings and its modulation through GABA_B receptors, 118, 1441
- Inhibition of cortical acetylcholine release and cognitive performance by histamine H₃ receptor activation in rats, 119, 1656
- Colchicine**, Cytoskeleton-dependent activation of the inducible nitric oxide synthase in cultured aortic smooth muscle cells, 118, 1085
- Evidence for the participation of glutamate in reflexes involving afferent, substance P-containing nerve fibres in the rat, 117, 71
- Modulation of the hepatic α_1 -adrenoceptor responsiveness by colchicine: dissociation of free cytosolic Ca²⁺-dependent and independent responses, 118, 1797
- Cold storage**, Effect of cold storage in University of Wisconsin solution on the responses of porcine hepatic arteries to 5-hydroxytryptamine and bradykinin *in vitro*, 117, 142
- Collagen**, Contrast between effects of aminobisphosphonates and non-aminobisphosphonates on collagen-induced arthritis in mice, 119, 205
- Effects of an AT₁ receptor antagonist, an ACE inhibitor and a calcium channel antagonist on cardiac gene expressions in hypertensive rats, 118, 549
- Collagenases**, Augmentation by eosinophils of gelatinase activity in the airway mucosa: comparative effects as a putative mediator of epithelial injury, 117, 667
- Colliculus, superior**, Interactions of 2,3-benzodiazepines and cyclothiazide at AMPA receptors: patch clamp recordings in cultured neurones and area CA1 in hippocampal slices, 117, 1209
- Colon**, Investigation into the 5-hydroxytryptamine-induced atropine-resistant neurogenic contraction of guinea-pig proximal colon, 117, 1613
- Nitric oxide-mediated relaxation without concomitant changes in cyclic GMP content of rat proximal colon, 117, 1204
- Role of κ opioid receptors in modulating cholinergic twitches in the circular muscle of guinea-pig colon, 119, 985
- VIP- and PACAP-mediated nonadrenergic, noncholinergic inhibition in longitudinal muscle of rat distal colon: involvement of activation of charybdotoxin- and apamin-sensitive K⁺ channels, 119, 623
- Colon, distal**, Cyclic AMP-dependent regulation of K⁺ transport in the rat distal colon, 118, 1477
- Colon, guinea-pig**, The possible role of ATP and PACAP as mediators of apamin-sensitive NANC inhibitory junction potentials in circular muscle of guinea-pig colon, 119, 779
- Colon, human**, Functional evidence of atypical β_3 -adrenoceptors in the human colon using the β_3 -selective adrenoceptor antagonist, SR 59230A, 117, 1374
- Further investigation into the signal transduction mechanism of the 5-HT₄-like receptor in the circular smooth muscle of human colon, 118, 1058
- Stimulation of cyclic AMP formation in the circular smooth muscle of human colon by activation of 5-HT₄-like receptors, 117, 238
- Colon, proximal**, Effects of nitric oxide (NO) and NO donors on the membrane conductance of circular smooth muscle cells of the guinea-pig proximal colon, 118, 1605
- Colon, rat**, Differences between the third cardiac β -adrenoceptor and the colonic β_3 -adrenoceptor in the rat, 118, 2085
- Functional identification of rat atypical β -adrenoceptors by the first β_3 -selective antagonist, aryloxypropanolaminotetralins, 117, 435
- Complement receptor 3**, Characterization of the pharmacological profile of the potent LTB₄ antagonist CP-105,696 on murine LTB₄ receptors *in vitro*, 117, 1127
- Conditioned place preference**, Effect of CCK receptor antagonists on the antinociceptive, reinforcing and gut motility properties of morphine, 118, 1317
- Conotoxins**, Effects of N-, P- and Q-type neuronal calcium channel antagonists on mammalian peripheral neurotransmission, 119, 49
- Inhibition of neuromuscular transmission in the myenteric plexus of guinea-pig ileum by ω -conotoxins GVIA, MVIIA, MVIIC and SVIB, 118, 797
- Constriction**, The effect of ischaemia on endothelium-dependent vasodilatation and adrenoceptor-mediated vasoconstriction in rat isolated hearts, 117, 1047
- Contractility**, Effects of cantharidin on force of contraction and phosphatase activity in nonfailing and failing human hearts, 119, 545
- Contraction-relaxation coupling**, Differential effects of *tert*-butylbenzohydroquinone, a putative SR Ca²⁺ pump inhibitor, on isometric relaxation during the staircase in the rabbit and rat ventricle, 117, 268
- Contrast media**, Ionic mechanisms contributing to the vasorelaxant properties of iodinated contrast media: a comparison of iohexol and iodixanol in the rabbit isolated aorta, 119, 685
- Converting enzyme inhibitors**, The role of endogenous bradykinin in blood pressure homeostasis in spontaneously hypertensive rats, 118, 1925
- Convulsions**, Investigation of the involvement of the *N*-methyl-D-aspartate receptor macrocomplex in the development of spermine-induced CNS excitation *in vivo*, 117, 1803
- Copper**, Effect of Cu²⁺ on relaxations to the nitrgergic neurotransmitter, NO and *S*-nitrosothiols in the rat gastric fundus, 119, 990
- Role of a copper (I)-dependent enzyme in the anti-platelet action of *S*-nitrosoglutathione, 119, 533
- Copper oxidation**, Decreased susceptibility to copper-induced oxidation of rat-lipoproteins after fibrate treatment: influence of fatty acid composition, 117, 1155
- Coronary artery disease**, Coronary artery constriction by the isoprostane 8-epi prostaglandin F₂ α , 119, 1276
- Coronary artery occlusion**, Suppression of reperfusion-induced arrhythmias with combined administration of 5-HT₂ and thromboxane A₂ antagonists, 117, 817
- Coronary circulation**, Haemodynamic and cardiac effects of kinin B₁ and B₂ receptor stimulation in conscious instrumented dogs, 117, 1565
- Corpus cavernosum**, Nitric oxide as a mediator of cocaine-induced penile erection in the rat, 118, 155
- Corpus luteum**, Influence of dopamine as noradrenaline precursor on the secretory function of the bovine corpus luteum *in vitro*, 118, 1669
- Cortex**, Neurochemical and behavioural interactions between ibogaine and nicotine in the rat, 117, 743
- Cortex, brain**, Functional correlation between allopregnanolone and [³⁵S]-TBPS binding in the brain of rats exposed to isoniazid, pentylene-tetrazol or stress, 118, 839
- Cortex, cerebral**, Differences in agonist and antagonist activities for two indices of metabotropic glutamate receptor-stimulated phosphoinositide turnover, 117, 1735
- Cortex, entorhinal**, Effects of γ -aminobutyric acid (GABA) agonists and GABA uptake inhibitors on pharmacosensitive and pharmacoresistant epileptiform activity *in vitro*, 119, 569
- Cortex, frontal**, Functional characterization of 5-HT_{1D} autoreceptors on

- the modulation of 5-HT release in guinea-pig mesencephalic raphe, 118, 681
- Cortex, frontoparietal**, Inhibition of cortical acetylcholine release and cognitive performance by histamine H₃ receptor activation in rats, 119, 1656
- Cortex, human**, Human brain somatostatin release from isolated cortical nerve endings and its modulation through GABA_B receptors, 118, 1441
- Cortex, medial, prefrontal**, Prevention by (±)-8-hydroxy-2-(di-n-propyl-amino)tetralin of both catalepsy and the rises in rat striatal dopamine metabolism caused by haloperidol, 118, 421
- Cortex, mouse**, Analysis of variation in L-365,260 competition curves in radioligand binding assays, 118, 1717
- Cortex, rat**, Analysis of variation in L-365,260 competition curves in radioligand binding assays, 118, 1717
- Rat striatal muscarinic receptors coupled to the inhibition of adenyl cyclase activity: potent block by the selective m₄ ligand muscarinic toxin 3 (MT3), 118, 283
- Cortical neurones**, Characterization of metabotropic glutamate receptor-mediated facilitation of *N*-methyl-D-aspartate depolarization of neocortical neurones, 117, 675
- Corticosteroids**, Effect of dexamethasone and endogenous corticosterone on airway hyperresponsiveness and eosinophilia in the mouse, 119, 1484
- Corticosterone**, Acute inflammatory response in the mouse: exacerbation by immunoneutralization of lipocortin 1, 117, 1145
- Corticotropin-releasing factor**, Effect of dexfenfluramine on the transcriptional activation of CRF and its type 1 receptor within the paraventricular nucleus of the rat hypothalamus, 117, 1021
- Reversal by NPY, PYY and 3-36 molecular forms of NPY and PYY of intracisternal CRF-induced inhibition of gastric acid secretion in rats, 118, 237
- COS-7 cells**, Functional properties of the uptake of amines in immortalised peptidergic neurones (transport-P), 117, 111
- Coughing**, Effects of levodropropizine on vagal afferent C-fibres in the cat, 117, 853
- CP 96345**, An isobolographic analysis of the effects of *N*-methyl-D-aspartate and NK₁ tachykinin receptor antagonists on inflammatory hyperalgesia in the rat, 117, 196
- CP 99994**, The action of the NK₁ tachykinin receptor antagonist, CP 99,994, in antagonizing the acute and delayed emesis induced by cisplatin in the ferret, 119, 931
- CP 105696**, Characterization of the pharmacological profile of the potent LTB₄ antagonist CP-105,696 on murine LTB₄ receptors *in vitro*, 117, 1127
- CPA**, Differential development of adenosine A₁ and A_{2b} receptors in the rat duodenum, 119, 949
- Functional characterization of adenosine receptors in the nucleus tractus solitarius mediating hypotensive responses in the rat, 117, 305
- D-CPP**, Investigation of the involvement of the *N*-methyl-D-aspartate receptor macrocomplex in the development of spermine-induced CNS excitation *in vivo*, 117, 1803
- CPPG**, The effects of (RS)-α-cyclopropyl-4-phosphonophenylglycine ((RS)-CPPG), a potent and selective metabotropic glutamate receptor antagonist, 119, 851
- Creatine phosphokinase**, Effects of β-adrenoceptor antagonists on Ca²⁺-overload induced by lysophosphatidylcholine in rat isolated cardiomyocytes, 118, 865
- Cromakalim**, Analysis of relaxation and repolarization mechanisms of nicorandil in rat mesenteric artery, 119, 1549
- Cromolyn**, Anti-inflammatory effects of theophylline, cromolyn and salbutamol in a murine model of pleurisy, 118, 811
- Cyanide**, Activation by levcromakalim and metabolic inhibition of glibenclamide-sensitive K channels in smooth muscle cells of pig proximal urethra, 118, 635
- Cyanines**, Studies on the pharmacology of the inward transport of L-DOPA in rat renal tubules, 118, 741
- Cyanopindolol**, Atypical responses of rat ileum to pindolol, cyanopindolol and iodocyanopindolol, 117, 712
- Characteristics of cyanopindolol analogues active at the β₃-adrenoceptor in rat ileum, 119, 564
 - Mediation of the positive chronotropic effect of CGP 12177 and cyanopindolol in the pithed rat by atypical β-adrenoceptors, different from β₃-adrenoceptors, 117, 943
- (+)-Cyclazocine**, Effects of sigma ligands on the cloned μ-, δ- and κ-opioid receptors co-expressed with G-protein-activated K⁺ (GIRK) channel in *Xenopus* oocytes, 119, 73
- Cyclic AMP**, Characterization of a 5-HT_{1B} receptor on CHO cells: functional responses in the absence of radioligand binding, 117, 1119
- Characterization of the human brain putative A_{2B} adenosine receptor expressed in Chinese hamster ovary (CHO.A_{2B}) cells, 119, 1286
 - Coupling of metabotropic glutamate receptors to phosphoinositide mobilisation and inhibition of cyclic AMP generation in the guinea-pig cerebellum, 118, 311
 - Cyclic AMP-dependent regulation of K⁺ transport in the rat distal colon, 118, 1477
 - Cyclic AMP-elevating agents prolong or inhibit eosinophil survival depending on prior exposure to GM-CSF, 117, 79
 - Different pharmacological characteristics in L₆ and C₂C₁₂ muscle cells and intact rat skeletal muscle for amylin, CGRP and calcitonin, 117, 847
 - Effect of cyclic GMP-dependent vasodilators on the expression of inducible nitric oxide synthase in vascular smooth muscle cells: role of cyclic AMP, 119, 707
 - Effect of cyclo-oxygenase inhibitors and modulators of cyclic AMP formation on lipopolysaccharide-induced neutrophil infiltration in mouse lung, 117, 1792
 - The effect of forskolin on 5-HT₁-like and angiotensin II-induced vasoconstriction and cyclic AMP content of the rabbit isolated femoral artery, 118, 627
 - The effect of isoenzyme-selective PDE inhibitors on methacholine-induced contraction of guinea-pig and rat ileum, 118, 2131
 - Effects of agents which elevate cyclic AMP on guinea-pig eosinophil homotypic aggregation, 118, 2099
 - Effects of cyclic GMP elevation on isoprenaline-induced increase in cyclic AMP and relaxation in rat aortic smooth muscle: role of phosphodiesterase 3, 119, 471
 - Effects of selective phosphodiesterase 3 inhibition in the perfused liver of the rat after endotoxin treatment, 118, 790
 - Endothelins-induce cyclic AMP formation in the guinea-pig trachea through an ET_A receptor- and cyclooxygenase-dependent mechanism, 118, 531
 - Functional, endogenously expressed 5-hydroxytryptamine 5-HT₇ receptors in human vascular smooth muscle cells, 117, 993
 - Further investigation into the signal transduction mechanism of the 5-HT₄-like receptor in the circular smooth muscle of human colon, 118, 1058
 - Identification of potent P_{2Y}-purinoceptor agonists that are derivatives of adenosine 5'-monophosphate, 118, 1959
 - Increased interleukin-8 release by β-adrenoceptor activation in human transformed bronchial epithelial cells, 119, 402
 - Inhibition by amphetamine of testosterone secretion through a mechanism involving an increase of cyclic AMP production in rat testes, 118, 984
 - Inhibition by pentoxifylline of extracellular signal-regulated kinase activation by platelet-derived growth factor in hepatic stellate cells, 119, 1117
 - Inhibition by tetraoctanin of interleukin 1β- and cyclic AMP-induced nitric oxide synthase expression in rat renal mesangial cells, 118, 1621
 - Intimal hyperplasia in human uterine arteries accompanied by impaired synergism between prostaglandin I₂ and nitric oxide, 119, 1072
 - Involvement of endogenous nitric oxide in the mechanism of bradykinin-induced peripheral hyperalgesia, 117, 407
 - Involvement of platelet cyclic GMP but not cyclic AMP suppression in leukocyte-dependent platelet adhesion to endothelial cells induced by platelet-activating factor *in vitro*, 117, 299
 - KW-3902, a selective high affinity antagonist for adenosine A₁ receptors, 117, 1645
 - Mechanism of butyrate-induced vasorelaxation of rat mesenteric resistance artery, 117, 365
 - Modulation of agonist-induced phosphoinositide metabolism, Ca²⁺ signalling and contraction of airway smooth muscle by cyclic AMP-dependent mechanisms, 117, 419
 - Negative chronotropic and inotropic effects exerted by diadenosine

- hexaphosphate (AP₆A) via A₁-adenosine receptors, **119, 835**
- Paradoxical facilitation of acetylcholine release from parasympathetic nerves innervating guinea-pig trachea by isoprenaline, **117, 1413**
 - Pharmacological and biochemical characterization of purified A_{2a} adenosine receptors in human platelet membranes by [³H]-CGS 21680 binding, **117, 1693**
 - PK 11195 blockade of benzodiazepine-induced inhibition of forskolin-stimulated adenylate cyclase activity in the striatum, **119, 223**
 - Role of intracellular Ca²⁺ in the K channel opener action of CGRP in the guinea-pig ureter, **118, 1493**
 - Stimulation of cyclic AMP formation in the circular smooth muscle of human colon by activation of 5-HT₄-like receptors, **117, 238**
 - The effects of (RS)- α -cyclopropyl-4-phosphonophenylglycine ((RS)-CPPG), a potent and selective metabotropic glutamate receptor antagonist, **119, 851**
 - VIP-induced relaxation of guinea-pig intestinal smooth muscle cells: sequential involvement of cyclic AMP and nitric oxide, **118, 477**
- Cyclic GMP**, Carbon monoxide-induced relaxation of the ductus arteriosus in the lamb: evidence against the prime role of guanylyl cyclase, **118, 1689**
- Cardiovascular effects of a novel, potent and selective phosphodiesterase 5 inhibitor, DMPPO: *in vitro* and *in vivo* characterization, **118, 1377**
 - A cyclic GMP-dependent housekeeping Cl[−] channel in rabbit gastric parietal cells activated by a vasodilator ecbapide, **119, 1591**
 - Cyclic GMP-independent effects of nitric oxide on guinea-pig uterine contractility, **119, 737**
 - Desensitization of AMPA receptors and AMPA-NMDA receptor interaction: an *in vivo* cyclic GMP microdialysis study in rat cerebellum, **117, 1133**
 - Differential effects of nitric oxide donors on basal and electrically evoked release of acetylcholine from guinea-pig myenteric neurones, **118, 2073**
 - Downregulation of nitrovasodilator-induced cyclic GMP accumulation in cells exposed to endotoxin or interleukin-1 β , **118, 1359**
 - Effect of cyclic GMP-dependent vasodilators on the expression of inducible nitric oxide synthase in vascular smooth muscle cells: role of cyclic AMP, **119, 707**
 - The effect of isoenzyme-selective PDE inhibitors on methacholine-induced contraction of guinea-pig and rat ileum, **118, 2131**
 - Effects of cyclic GMP elevation on isoprenaline-induced increase in cyclic AMP and relaxation in rat aortic smooth muscle: role of phosphodiesterase 3, **119, 471**
 - Endothelium-dependent and NO-mediated desensitization to vasopressin in rat aorta, **119, 899**
 - Evidence that potassium channels make a major contribution to SIN-1-evoked relaxation of rat isolated mesenteric artery, **119, 1557**
 - The excitatory and inhibitory modulation of primary afferent fibre-evoked responses of ventral roots in the neonatal rat spinal cord exerted by nitric oxide, **118, 1743**
 - *In vivo* microdialysis study of a specific inhibitor of soluble guanylyl cyclase on the glutamate receptor/nitric oxide/cyclic GMP pathway, **119, 590**
 - Inhibition of nitrergic relaxations by a selective inhibitor of the soluble guanylate cyclase, **118, 137**
 - Intimal hyperplasia in human uterine arteries accompanied by impaired synergism between prostaglandin I₂ and nitric oxide, **119, 1072**
 - Involvement of endogenous nitric oxide in the mechanism of bradykinin-induced peripheral hyperalgesia, **117, 407**
 - Involvement of platelet cyclic GMP but not cyclic AMP suppression in leukocyte-dependent platelet adhesion to endothelial cells induced by platelet-activating factor *in vitro*, **117, 299**
 - The involvement of the release of nitric oxide in the pharmacological activity of the new furoxan derivative CHF 2363, **118, 923**
 - The mechanism of cardioprotection by S-nitroso-L-glutathione monoethyl ester in rat isolated heart during cardioplegic ischaemic arrest, **119, 511**
 - The mechanism of relaxation induced by atrial natriuretic peptide in the porcine renal artery, **118, 343**
 - Mechanisms of tolerance to sodium nitroprusside in rat cultured aortic smooth muscle cells, **117, 147**
 - Modulation of vasorelaxant responses to potassium channel openers by basal nitric oxide in the rat isolated superior mesenteric arterial bed, **117, 859**
 - Nitric oxide synthase-cyclo-oxygenase pathways in organum vasculosum laminae terminalis: possible role in pyrogenic fever in rabbits, **118, 179**
 - The nitric oxide-cyclic GMP pathway and synaptic plasticity in the rat superior cervical ganglion, **119, 527**
 - Nitric oxide-donating properties of mesoionic 3-aryl substituted oxatriazole-5-imine derivatives, **117, 401**
 - Nitric oxide-mediated relaxation without concomitant changes in cyclic GMP content of rat proximal colon, **117, 1204**
 - Relaxation of guinea-pig trachea by sodium nitroprusside: cyclic GMP and nitric oxide not involved, **118, 466**
 - Renal effects of TAPP, a highly selective μ -opioid agonist, **119, 239**
 - The vasoconstrictor effects of L-NAME, a nitric oxide synthase inhibitor, in pregnant rabbits, **118, 1012**
 - VIP-induced relaxation of guinea-pig intestinal smooth muscle cells: sequential involvement of cyclic AMP and nitric oxide, **118, 477**
- Cyclic nucleotides**, 5-Hydroxytryptamine receptors mediating vasoconstriction in pulmonary arteries from control and pulmonary hypertensive rats, **119, 917**
- Cyclo-oxygenase**, Inhibition of prostanoid formation in intact cells by 2,5-di-(*tert*-butyl)-1,4-benzohydroquinone, a blocker of Ca²⁺-ATPases, **117, 540**
- Nitric oxide synthase-cyclo-oxygenase pathways in organum vasculosum laminae terminalis: possible role in pyrogenic fever in rabbits, **118, 179**
- Cyclo-oxygenase inhibitors**, Endothelins-induce cyclic AMP formation in the guinea-pig trachea through an ET_A receptor- and cyclooxygenase-dependent mechanism, **118, 531**
- Cyclo-oxygenase metabolites**, Involvement of nitric oxide and eicosanoids in platelet-activating factor-induced haemodynamic and haematological effects in dogs, **118, 941**
- Cyclo-oxygenase-1**, Pharmacological manipulation of cyclo-oxygenase-2 in the inflamed hydronephrotic kidney, **117, 1016**
- Cyclo-oxygenase-2**, Pharmacological manipulation of cyclo-oxygenase-2 in the inflamed hydronephrotic kidney, **117, 1016**
- Cycloheximide**, Upregulation of B₁ receptor mediating des-Arg⁹-BK-induced rat paw oedema by systemic treatment with bacterial endotoxin, **117, 793**
- Cyclohexyladenosine**, Inhibition of glycolysis and enhanced mechanical function of working rat hearts as a result of adenosine A₁ receptor stimulation during reperfusion following ischaemia, **118, 355**
- N⁶-Cyclopentyl adenosine (CPA)**, Differential development of adenosine A₁ and A_{2b} receptors in the rat duodenum, **119, 949**
- Functional characterization of adenosine receptors in the nucleus tractus solitarius mediating hypotensive responses in the rat, **117, 305**
- Cyclopiazonic acid**, Action of 5-hydroxytryptamine in facilitating N-methyl-D-aspartate depolarization of cortical neurones mimicked by calcimycin, cyclopiazonic acid and thapsigargin, **119, 877**
- Effects of cyclopiazonic acid and ryanodine on cytosolic calcium and contraction in vascular smooth muscle, **118, 1711**
 - Effects of cyclopiazonic acid and thapsigargin on electromechanical activities and intracellular Ca²⁺ in smooth muscle of carotid artery of hypertensive rats, **118, 857**
 - Force and intracellular Ca²⁺ during cyclic nucleotide-mediated relaxation of rat anococcygeus muscle and the effects of cyclopiazonic acid, **119, 1029**
 - Inhibition by SK&F96365 of NO-mediated relaxation induced by Ca²⁺-ATPase inhibitors in rat thoracic aorta, **117, 1544**
 - Inhibition by sodium nitroprusside of a calcium store depletion-activated non-selective cation current in smooth muscle cells of the mouse anococcygeus, **118, 2001**
 - Rhythmic relaxations of active tension in the rabbit large arteries induced by a combination of cyclopiazonic acid and Bay K 8644, **118, 233**
 - The role of diacylglycerol and activation of protein kinase C in α_{1A} -adrenoceptor-mediated contraction to noradrenaline of rat isolated epididymal vas deferens, **117, 224**
 - Role of sarcoplasmic reticulum in inhibitory junction potentials and hyperpolarizations by nitric oxide donors in opossum oesophagus, **118,**

- 2185
- Two distinct membrane currents activated by cyclopiazonic acid-induced calcium store depletion in single smooth muscle cells of the mouse aortic myocytes, 117, 566
- Cyclosporins**, Effect of cyclosporin A and analogues on cytosolic calcium and vasoconstriction: possible lack of relationship to immunosuppressive activity, 118, 885
- Effects of dexamethasone and cyclosporin A on the accumulation of eosinophils in acute cutaneous inflammation in the guinea-pig, 118, 317
 - Effects of a selective adenosine A₁ receptor antagonist on the development of cyclosporin nephrotoxicity, 117, 879
 - Relevance of p-glycoprotein for the enteral absorption of cyclosporin A: *in vitro-in vivo* correlation, 118, 1841
- Cyclothiazide**, Allosteric interactions between cyclothiazide and AMPA/kainate receptor antagonists, 117, 1663
- Desensitization of AMPA receptors and AMPA-NMDA receptor interaction: an *in vivo* cyclic GMP microdialysis study in rat cerebellum, 117, 1133
 - Interactions of 2,3-benzodiazepines and cyclothiazide at AMPA receptors: patch clamp recordings in cultured neurones and area CA1 in hippocampal slices, 117, 1209
- Cyproheptadine**, Prevention by the 5-HT₃ receptor antagonist, ondansetron, of morphine-dependence and tolerance in the rat, 118, 1044
- Cystic fibrosis**, Enzymatic synthesis of UTP_γS, a potent hydrolysis resistant agonist of P_{2U}-purinoceptors, 117, 203
- Cytochalasins**, Cytoskeleton-dependent activation of the inducible nitric oxide synthase in cultured aortic smooth muscle cells, 118, 1085
- Cytochrome c reduction**, Interaction of nitric oxide synthase inhibitors and their D-enantiomers with rat neutrophil luminol dependent chemiluminescence response, 119, 578
- Cytochrome P450**, Carbon monoxide-induced relaxation of the ductus arteriosus in the lamb: evidence against the prime role of guanylyl cyclase, 118, 1689
- Contribution of calcium-activated potassium channels to the vasodilator effect of bradykinin in the isolated, perfused kidney of the rat, 118, 1504
 - Effects of cytochrome P450 inhibitors on EDHF-mediated relaxation in the rat hepatic artery, 118, 1147
 - Effects of cytochrome P450 inhibitors on potassium currents and mechanical activity in rat portal vein, 119, 691
 - Extracellular site for econazole-mediated block of Ca²⁺ release-activated Ca²⁺ current (*I_{CRAC}*) in T lymphocytes, 119, 647
 - Inhibition of the contraction of the ductus arteriosus to oxygen by 1-aminobenzotriazole, a mechanism-based inactivator of cytochrome P450, 117, 1586
 - Inhibition of NO-mediated responses by 7-ethoxyresorufin, a substrate and competitive inhibitor of cytochrome P450, 118, 57
 - Inhibitors of the cytochrome P450-mono-oxygenase and endothelium-dependent hyperpolarizations in the guinea-pig isolated carotid artery, 117, 607
 - The role of nephrectomy and proadifen in blood pressure homeostasis following an acute kinin-induced hypotension in normotensive rats, 117, 1516
- Cytochrome P450 isoenzymes**, [³H]-thiopramide as a radioligand for the histamine H₃ receptor in rat cerebral cortex, 118, 2045
- Cytokines**, Cyclic AMP-elevating agents prolong or inhibit eosinophil survival depending on prior exposure to GM-CSF, 117, 79
- Differential effects of angiostatic steroids and dexamethasone on angiogenesis and cytokine levels in rat sponge implants, 118, 1584
 - Drug-induced *in vitro* inhibition of neutrophil-endothelial cell adhesion, 118, 471
 - Effects of the endothelin receptor antagonist, SB 209670, on circulatory failure and organ injury in endotoxic shock in the anaesthetized rat, 118, 198
 - Effects of protein tyrosine kinase inhibitors on cytokine-induced adhesion molecule expression by human umbilical vein endothelial cells, 118, 1761
 - Infiltration of neutrophils by intrapleural injection of tumour necrosis factor, interleukin-1, and interleukin-8 in rats, and its modification by actinomycin D, 117, 611
- Cytoskeleton**, Mechanotransduction through the endothelial cytoskeleton: mediation of flow- but not agonist-induced EDRF release, 118, 720
- Cytotoxicity**, Protective effect of platelet activating factor antagonists on cultured endothelial cell lysis induced by elastase or activated neutrophils, 117, 902
- Self-limiting enhancement by nitric oxide of oxygen free radical-induced endothelial cell injury: evidence against the dual action of NO as hydroxyl radical donor/scavenger, 119, 455
- ## D
- Daidzein**, Activation of cardiac chloride conductance by the tyrosine kinase inhibitor, genistein, 119, 335
- DAU 6236**, Stimulation of cyclic AMP formation in the circular smooth muscle of human colon by activation of 5-HT₄-like receptors, 117, 238
- DAU 6285**, Neural 5-HT₄ receptors in the human isolated detrusor muscle: effects of indole, 118, 1965
- Daunorubicin**, Development of the model of rat isolated perfused heart for the evaluation of anthracycline cardiotoxicity and its circumvention, 117, 1593
- DDT₁ MF-2 cells**, The effect of the PCK inhibitor GF109203X on the release of Ca²⁺ from internal stores and Ca²⁺ entry in DDT₁ MF-2 cells, 119, 730
- Defibrotide**, Drug-induced *in vitro* inhibition of neutrophil-endothelial cell adhesion, 118, 471
- Delequamine**, Modulation of sexual behaviour in the rat by a potent and selective α₂-adrenoceptor antagonist, delequamine (RS-15385-197), 118, 63
- Denbufylline**, Stimulation of the hypothalamo-pituitary-adrenal axis in the rat by the type 4 phosphodiesterase (PDE-4) inhibitor, denbufylline, 119, 463
- Dendroaspis angusticeps toxin**, Rat striatal muscarinic receptors coupled to the inhibition of adenylyl cyclase activity: potent block by the selective m₄ ligand muscarinic toxin 3 (MT3), 118, 283
- Denervation**, Effects of short- and long-term sympathectomy on vasoconstrictor responses of the rat mesenteric arterial bed, 119, 1347
- Dependence**, Effect of CCK receptor antagonists on the antinociceptive, reinforcing and gut motility properties of morphine, 118, 1317
- Dephosphorylation**, Regulation of human basophil function by phosphatase inhibitors, 119, 446
- Deprenyl**, Electrophysiological effects of monoamine oxidase inhibition on rat midbrain dopaminergic neurones: an *in vitro* study, 117, 528
- Protection of the aged substantia nigra of the rat against oxidative damage by (-)-deprenyl, 117, 1756
- Depression**, Impairment of stress adaptive behaviours in rats by the CCK_A receptor antagonist, devazepide, 118, 400
- Dequalinium**, Discrimination between subtypes of apamin-sensitive Ca²⁺-activated K⁺ channels by gallamine and a novel bis-quaternary quinolinium cyclophane, UCL 1530, 117, 35
- [des-Arg⁹]-Bradykinin**, B₁ bradykinin receptors and sensory neurones, 118, 1469
- Haemodynamic and cardiac effects of kinin B₁ and B₂ receptor stimulation in conscious instrumented dogs, 117, 1565
 - The longitudinal muscle of rat ileum as a sensitive monoreceptor assay for bradykinin B₁ receptors, 117, 1619
- des-Arg⁹-Leu⁸-Bradykinin**, Substance P and capsaicin-induced mechanical hyperalgesia in the rat knee joint; the involvement of bradykinin B₁ and B₂ receptors, 118, 2206
- [des-Arg¹⁰]-Hoe 140**, The longitudinal muscle of rat ileum as a sensitive monoreceptor assay for bradykinin B₁ receptors, 117, 1619
- [³H]-Des-Arg¹⁰-Kallidin**, Selective labelling of bradykinin receptor subtypes in WI38 human lung fibroblasts, 119, 863
- des-Asp-Angiotensin I**, Subtypes of losartan-sensitive angiotensin receptor in the rabbit pulmonary artery, 117, 1504
- Desensitisation**, Characterization of metabotropic glutamate receptor-mediated facilitation of N-methyl-D-aspartate depolarization of neocortical neurones, 117, 675
- Differential desensitization of μ- and δ-opioid receptors in selected neural pathways following chronic morphine treatment, 117, 161
 - Endothelium-dependent and NO-mediated desensitization to vasopressin in rat aorta, 119, 899
 - Enhancement by calcitonin gene-related peptide of non-contractile Ca²⁺-induced nicotinic receptor desensitization at the mouse neuromuscular

- junction, 118, 1971
- Fading and rebound of currents induced by ATP in PC12 cells, 119, 1045
 - Modelling the changes induced by chronic desipramine treatment on the factors governing the agonism at prejunctional α_2 -adrenoceptors, 117, 1286
 - A novel GTP-dependent mechanism of ileal muscarinic metabotropic channel desensitization, 119, 997
 - Regulation of the human histamine H_1 receptor stably expressed in Chinese hamster ovary cells, 117, 1071
 - Role of protein kinase C in desensitization of spinal δ -opioid-mediated antinociception in the mouse, 118, 1829
 - Selection of distinct conformational states of the 5-HT $_3$ receptor by full and partial agonists, 117, 839
- Desensitisation, heterologous**, The histamine H_1 receptor in GT1-7 neuronal cells is regulated by calcium influx and KN-62, a putative inhibitor of calcium/calmodulin protein kinase II, 118, 1119
- Desensitisation, homologous**, The histamine H_1 receptor in GT1-7 neuronal cells is regulated by calcium influx and KN-62, a putative inhibitor of calcium/calmodulin protein kinase II, 118, 1119
- Desipramine**, Desipramine administration in the olfactory bulbectomized rat: changes in brain β -adrenoceptor and 5-HT $_2A$ binding sites and their relationship to behaviour, 117, 1481
- Inhibition by vitamin E of drug accumulation and of phospholipidosis induced by desipramine and other cationic amphiphilic drugs in human cultured cells, 119, 829
 - Modelling the changes induced by chronic desipramine treatment on the factors governing the agonism at prejunctional α_2 -adrenoceptors, 117, 1286
- Detrusor muscle**, Characterization of nitric oxide synthase activity in sheep urinary tract: functional implications, 118, 905
- Devapamil, quarternary**, Extra- and intracellular action of quarternary devapamil on muscle L-type Ca^{2+} -channels, 119, 1197
- Devazepide**, Impairment of stress adaptive behaviours in rats by the CCK $_A$ receptor antagonist, devazepide, 118, 400
- Dexamethasone**, Delayed protection against ischaemia-induced ventricular arrhythmias and infarct size limitation by the prior administration of *Escherichia coli* endotoxin, 118, 2157
- Differential effects of angiostatic steroids and dexamethasone on angiogenesis and cytokine levels in rat sponge implants, 118, 1584
 - Effects of dexamethasone and cyclosporin A on the accumulation of eosinophils in acute cutaneous inflammation in the guinea-pig, 118, 317
 - Effects of dexamethasone and SB 209670 on the regional haemodynamic responses to lipopolysaccharide in conscious rats, 118, 141
 - Impairment of stress adaptive behaviours in rats by the CCK $_A$ receptor antagonist, devazepide, 118, 400
 - Induction of prostaglandin endoperoxide synthase-2 in human monocytes associated with cyclo-oxygenase-dependent F $_2$ -isoprostane formation, 118, 1285
 - An interaction of ondansetron and dexamethasone antagonizing cisplatin-induced acute and delayed emesis in the ferret, 118, 209
 - Measurement of lipocortin 1 levels in murine peripheral blood leukocytes by flow cytometry: modulation by glucocorticoids and inflammation, 118, 605
 - Regulation of histamine H_1 receptor coupling by dexamethasone in human cultured airway smooth muscle, 118, 1079
 - The role of lipocortin-1 in dexamethasone-induced suppression of PGE $_2$ and TNF α release from human peripheral blood mononuclear cells, 117, 1449
 - Translocation of lipocortin (annexin) 1 to the membrane of U937 cells induced by phorbol ester, but not by dexamethasone, 117, 1780
 - Upregulation of B $_1$ receptor mediating des-Arg 9 -BK-induced rat paw oedema by systemic treatment with bacterial endotoxin, 117, 793
- Dexfenfluramine**, Effect of dexfenfluramine on the transcriptional activation of CRF and its type 1 receptor within the paraventricular nucleus of the rat hypothalamus, 117, 1021
- Dexrazoxane**, Development of the model of rat isolated perfused heart for the evaluation of anthracycline cardiotoxicity and its circumvention, 117, 1593
- Dextrorphan**, An isobolographic analysis of the effects of *N*-methyl-D-aspartate and NK $_1$ tachykinin receptor antagonists on inflammatory hyperalgesia in the rat, 117, 196
- DHPG**, NMDA receptor dependence of MGlu-mediated depression of synaptic transmission in the CA1 region of the rat hippocampus, 119, 1239
- Pharmacological characterization of metabotropic glutamate receptors coupled to phospholipase D in the rat hippocampus, 118, 1035
- Diabetes mellitus**, Adenosine inhibitory effect on enhanced growth of aortic smooth muscle cells from streptozotocin-induced diabetic rats, 118, 783
- Altered thermoregulatory responses to clonidine in streptozotocin-diabetic rats, 117, 938
 - Cerebrovascular responsiveness to N^G -nitro-L-arginine methyl ester in spontaneously diabetic rats, 118, 243
 - Changes in superoxide dismutase mRNA expression by streptozotocin-induced diabetes, 119, 583
 - The effect of insulin treatment and of islet transplantation on the resistance artery function in the STZ-induced diabetic rat, 119, 495
 - Deficient nitric oxide responsible for reduced nerve blood flow in diabetic rats: effects of L-NAME, L-arginine, sodium nitroprusside and evening primrose oil, 118, 186
 - Enhanced contractile responses of arteries from streptozotocin diabetic rats to sodium fluoride, 118, 115
 - Preservation of endothelium-dependent relaxation in cholesterol-fed and streptozotocin-induced diabetic mice by the chronic administration of cholestyramine, 118, 385
 - Regulation by metformin of the hexose transport system in vascular endothelial and smooth muscle cells, 117, 1318
- Diabetic neuropathy**, Deficient nitric oxide responsible for reduced nerve blood flow in diabetic rats: effects of L-NAME, L-arginine, sodium nitroprusside and evening primrose oil, 118, 186
- Diadenosine polyphosphates**, The activation of P $_1$ - and P $_2$ -purinoceptors in the guinea-pig left atrium by diadenosine polyphosphates, 118, 1294
- Diadenosine tetraphosphate-induced inhibition of ATP-sensitive K $^+$ channels in patches excised from ventricular myocytes, 117, 233
 - Effects of PPADS and suramin on contractions and cytoplasmic Ca^{2+} changes evoked by AP $_4$ A, ATP and α,β -methylene ATP in guinea-pig urinary bladder, 117, 698
 - Negative chronotropic and inotropic effects exerted by diadenosine hexaphosphate (AP $_6$ A) via A $_1$ -adenosine receptors, 119, 835
 - Selectivity and activity of adenine dinucleotides at recombinant P2X $_2$ and P2Y $_1$ purinoceptors, 119, 1006
 - Suramin - a powerful inhibitor of neural ecto-diadenosine polyphosphate hydrolase, 119, 1
- Dialdehydes**, The stimulation of capsaicin-sensitive neurones in a vanilloid receptor-mediated fashion by pungent terpenoids possessing an unsaturated 1,4-dialdehyde moiety, 119, 283
- Diaphragm, mouse**, Dependence on temperature of the effect of dinitrophenol on the release of transmitter quanta at neuromuscular junctions in the mouse diaphragm, 118, 957
- Diarrhoea**, The inhibitory effects of α_2 -adrenoceptor agonists on gastrointestinal transit during croton oil-induced intestinal inflammation, 119, 1649
- Diazepam**, Effects of intravenous anaesthetic agents on fast inhibitory oscillations in the rat hippocampus *in vitro*, 118, 1977
- Lack of anticonvulsant tolerance and benzodiazepine receptor down regulation with imidazenil in rats, 117, 647
 - PK 11195 blockade of benzodiazepine-induced inhibition of forskolin-stimulated adenylate cyclase activity in the striatum, 119, 223
- 3R-Dicarboxylic acid**, Stimulatory effects of the putative metabotropic glutamate receptor antagonist L-AP3 on phosphoinositide turnover in neonatal rat cerebral cortex, 117, 1309
- 3',4'-Dichlorobenzamil (DCB)**, A novel antagonist, No. 7943, of the Na $^+$ /Ca $^{2+}$ exchange current in guinea-pig cardiac ventricular cells, 119, 555
- Dieldrin**, Actions of picrodendrin antagonists on dieldrin-sensitive and -resistant *Drosophila* GABA receptors, 119, 1569
- Diet**, Antagonistic actions of renal dopamine and 5-hydroxytryptamine: endogenous 5-hydroxytryptamine, 5-HT $_{1A}$ receptors and antinatriuresis during high sodium intake, 117, 1193
- Diethyldithiocarbamate**, Blockade of nitrgic transmission by hydroquinone, hydroxocobalamin and carboxy-PTIO in bovine retractor penis:

- role of superoxide anion, 117, 1633
- Influence of superoxide dismutase inhibition on the discrimination between NO and the nitrergic neurotransmitter in the rat gastric fundus, 118, 2171
- Digoxin**, Transport and epithelial secretion of the cardiac glycoside, digoxin, by human intestinal epithelial (Caco-2) cells, 118, 1389
- Dihydroergotamine**, Endothelial 5-HT receptors mediate relaxation of porcine pulmonary arteries in response to ergotamine and dihydroergotamine, 119, 330
- Dihydro- β -erythroidine**, Release of [3 H]-noradrenaline from rat hippocampal synaptosomes by nicotine: mediation by different nicotinic receptor subtypes from striatal [3 H]-dopamine release, 117, 595
- Dihydropyridines**, The effect of the calcium-antagonist nitrendipine on intracellular calcium concentration in endothelial cells, 118, 1899
- The effect of oxygen free radicals on calcium current and dihydropyridine binding sites in guinea-pig ventricular myocytes, 118, 1278
 - Endogenous calcium channels in human embryonic kidney (HEK293) cells, 118, 748
 - Long Ca^{2+} channel opening induced by large depolarization and Bay K 8644 in smooth muscle cells isolated from guinea-pig detrusor, 119, 716
 - Nitric oxide, a possible mediator of 1,4-dihydropyridine-induced photo-relaxation of vascular smooth muscle, 118, 879
- Dihydrotutin**, Actions of picrodendrin antagonists on dieldrin-sensitive and -resistant *Drosophila* GABA receptors, 119, 1569
- Dilatation**, The effect of ischaemia on endothelium-dependent vasodilatation and adrenoceptor-mediated vasoconstriction in rat isolated hearts, 117, 1047
- Diltiazem**, Inhibition of nicotinic receptor-mediated responses in bovine chromaffin cells by diltiazem, 118, 1301
- Dimethylarginine dimethylaminohydrolase**, Regulation of nitric oxide synthesis by dimethylarginine dimethylaminohydrolase, 119, 1533
- Dimethylthiourea**, Involvement of hydroxyl radicals in neurogenic airway plasma exudation and bronchoconstriction in guinea-pigs *in vivo*, 117, 449
- Dinitrophenol**, Dependence on temperature of the effect of dinitrophenol on the release of transmitter quanta at neuromuscular junctions in the mouse diaphragm, 118, 957
- Dinitrosyl non-haem iron complexes**, Evidence for *N*-acetylcysteine-sensitive nitric oxide storage as dinitrosyl-iron complexes in lipopoly-saccharide-treated rat aorta, 119, 1281
- Dipyridamole**, Adenosine A_2 receptor-induced inhibition of leukotriene B_4 synthesis in whole blood *ex vivo*, 117, 1639
- Protection of low density lipoprotein oxidation at chemical and cellular level by the antioxidant drug dipyridamole, 119, 1438
- Disseminated intravascular coagulation**, Attenuation by prolonged nitric oxide synthase inhibition of the enhancement of fibrinolysis caused by environmental stress in the rat, 119, 346
- 1,3-di-(2-tolyl)guanidine (DTG)**, Differentiation of σ ligand-activated receptor subtypes that modulate NMDA-evoked [3 H]-noradrenaline release in rat hippocampal slices, 119, 65
- Effects of sigma ligands on the cloned μ -, δ - and κ -opioid receptors co-expressed with G-protein-activated K^+ (GIRK) channel in *Xenopus* oocytes, 119, 73
- Diuresis**, Effect of intrarenally infused parathyroid hormone-related protein on renal blood flow and glomerular filtration rate in the anaesthetized rat, 118, 1995
- Renal effects of TAPP, a highly selective μ -opioid agonist, 119, 239
- Dizocilpine**, Effects of memantine and MK-801 on NMDA-induced currents in cultured neurones and on synaptic transmission and LTP in area CA1 of rat hippocampal slices, 117, 689
- Effects of memantine on recombinant rat NMDA receptors expressed in HEK 293 cells, 119, 195
 - Investigation of the involvement of the *N*-methyl-D-aspartate receptor macrocomplex in the development of spermine-induced CNS excitation *in vivo*, 117, 1803
- DL-threo-Dihydrosphingosine**, The identification of DL-threo dihydrosphingosine and sphingosine as novel inhibitors of extracellular signal-regulated kinase signalling in airway smooth muscle, 119, 185
- DMPPO**, Cardiovascular effects of a novel, potent and selective phosphodiesterase 5 inhibitor, DMPPO: *in vitro* and *in vivo* characterization, 118, 1377
- Effects of cyclic GMP elevation on isoprenaline-induced increase in cyclic AMP and relaxation in rat aortic smooth muscle: role of phosphodiesterase 3, 119, 471
- DNA synthesis**, The identification of DL-threo dihydrosphingosine and sphingosine as novel inhibitors of extracellular signal-regulated kinase signalling in airway smooth muscle, 119, 185
- Dobutamine**, *In situ* assessment of the role of the β_1 -, β_2 - and β_3 -adrenoceptors in the control of lipolysis and nutritive blood flow in human subcutaneous adipose tissue, 117, 907
- Dofetilide**, Effects of some K^+ -channel inhibitors on the electrical behaviour of guinea-pig isolated trachealis and on its responses to spasmogenic drugs, 117, 1653
- I_K independent class III actions of MS-551 compared with sematilide and dofetilide during reperfusion in anaesthetized rats, 119, 937
- DOI**, Spinal 5-HT $_2$ receptor-mediated facilitation of pudendal nerve reflexes in the anaesthetized cat, 118, 150
- Voltage-dependent block of NMDA responses by 5-HT agonists in ventral spinal cord neurones, 117, 133
- L-DOPA**, Antagonistic actions of renal dopamine and 5-hydroxytryptamine: effects of amine precursors on the cell inward transfer and decarboxylation, 117, 1187
- L-DOPA uptake**, Studies on the pharmacology of the inward transport of L-DOPA in rat renal tubules, 118, 741
- DOPAC**, Prevention by (\pm)-8-hydroxy-2-(di-n-propylamino)tetrinal of both catalepsy and the rises in rat striatal dopamine metabolism caused by haloperidol, 118, 421
- Dopamine**, Antagonism of the effects of (+)-PD 128907 on midbrain dopamine neurones in rat brain slices by a selective D_2 receptor antagonist L-741,626, 119, 1491
- Antagonistic actions of renal dopamine and 5-hydroxytryptamine: effects of amine precursors on the cell inward transfer and decarboxylation, 117, 1187
 - Antagonistic actions of renal dopamine and 5-hydroxytryptamine: endogenous 5-hydroxytryptamine, 5-HT $_{1A}$ receptors and antinatriuresis during high sodium intake, 117, 1193
 - Antagonistic actions of renal dopamine and 5-hydroxytryptamine: increase in Na^+ , K^+ -ATPase activity in renal proximal tubules via activation of 5-HT $_{1A}$ receptors, 117, 1199
 - Electrophysiological effects of monoamine oxidase inhibition on rat midbrain dopaminergic neurones: an *in vitro* study, 117, 528
 - Influence of dopamine as noradrenaline precursor on the secretory function of the bovine corpus luteum *in vitro*, 118, 1669
 - Prevention by (\pm)-8-hydroxy-2-(di-n-propylamino)tetrinal of both catalepsy and the rises in rat striatal dopamine metabolism caused by haloperidol, 118, 421
 - Two simultaneously working storage pools of dopamine in mouse caudate and nucleus accumbens, 119, 869
- Dopamine receptors**, The D_1 receptor-mediated effects of the ergoline derivative LEK-8829 in rats with unilateral 6-hydroxydopamine lesions, 119, 1187
- Dopamine receptor antagonists**, Pharmacological analysis of dopamine stimulation of [^{35}S]-GTP γ S binding via human $\text{D}_{2\text{short}}$ and $\text{D}_{2\text{long}}$ dopamine receptors expressed in recombinant cells, 118, 1544
- Dopamine D_1 receptors**, Analysis of the effects of α_1 -adrenoceptor antagonists on noradrenaline-mediated contraction of rat small mesenteric artery, 118, 1308
- Antagonism of striatal muscarinic receptors inhibiting dopamine D_1 receptor-stimulated adenylyl cyclase activity by cholinergic antagonists used to treat Parkinson's disease, 118, 827
 - The effect of dopamine D_1 receptor stimulation on the up-regulation of histamine H_3 -receptors following destruction of the ascending dopaminergic neurones, 118, 585
- Dopamine D_1 receptor agonists**, The D_1 receptor-mediated effects of the ergoline derivative LEK-8829 in rats with unilateral 6-hydroxydopamine lesions, 119, 1187
- Dopamine D_2 receptors**, The effect of dopamine D_1 receptor stimulation on the up-regulation of histamine H_3 -receptors following destruction of the ascending dopaminergic neurones, 118, 585
- *In vitro* pharmacological profile of YM-43611, a novel D_2 -like receptor antagonist with high affinity and selectivity for dopamine D_3 and D_4 receptors, 117, 1625

- Pharmacological analysis of dopamine stimulation of [35 S]-GTP γ S binding via human D_{2short} and D_{2long} dopamine receptors expressed in recombinant cells, 118, 1544
 - Dopamine D₂ receptor antagonists**, The D₁ receptor-mediated effects of the ergoline derivative LEK-8829 in rats with unilateral 6-hydroxy-dopamine lesions, 119, 1187
 - Dopamine D₃ receptors**, Antagonism of the effects of (+)-PD 128907 on midbrain dopamine neurones in rat brain slices by a selective D₂ receptor antagonist L-741,626, 119, 1491
 - *In vitro* pharmacological profile of YM-43611, a novel D₂-like receptor antagonist with high affinity and selectivity for dopamine D₃ and D₄ receptors, 117, 1625
 - Pharmacological analysis of dopamine stimulation of [35 S]-GTP γ S binding via human D_{2short} and D_{2long} dopamine receptors expressed in recombinant cells, 118, 1544
 - Dopamine D₄ receptors**, *In vitro* pharmacological profile of YM-43611, a novel D₂-like receptor antagonist with high affinity and selectivity for dopamine D₃ and D₄ receptors, 117, 1625
 - Dopamine release**, Ability of 5-HT₄ receptor ligands to modulate rat striatal dopamine release *in vitro* and *in vivo*, 117, 55
 - Ability of angiotensin II to modulate striatal dopamine release via the AT₁ receptor *in vitro* and *in vivo*, 118, 414
 - Potentiation by cadmium ion of the ATP-evoked dopamine release in rat pheochromocytoma cells, 117, 950
 - Release of [3 H]-noradrenaline from rat hippocampal synaptosomes by nicotine: mediation by different nicotinic receptor subtypes from striatal [3 H]-dopamine release, 117, 595
 - The structural requirements for phorbol esters to enhance noradrenaline and dopamine release from rat brain cortex, 119, 115
 - Dopamine storage**, Two simultaneously working storage pools of dopamine in mouse caudate and nucleus accumbens, 119, 869
 - Dorsal roots**, The effects of anticonvulsants on 4-aminopyridine-induced bursting: *in vitro* studies on rat peripheral nerve and dorsal roots, 117, 573
 - Doxorubicin**, Development of the model of rat isolated perfused heart for the evaluation of anthracycline cardiotoxicity and its circumvention, 117, 1593
 - DPCPX**, KW-3902, a selective high affinity antagonist for adenosine A₁ receptors, 117, 1645
 - [3 H]-DPCPX**, Differential development of adenosine A₁ and A_{2b} receptors in the rat duodenum, 119, 949
 - The ontogenetic profiles of the pre- and postjunctional adenosine receptors in the rat vas deferens, 117, 1105
 - [3 H]-DPDPE binding**, Effects of competitive and noncompetitive antagonists of the *N*-methyl-D-aspartate receptor on the analgesic action of δ_1 - and δ_2 -opioid receptor agonists in mice, 119, 1586
 - DPSPX**, Augmented sensory-motor vasodilatation of the rat mesenteric arterial bed after chronic infusion of the P₁-purinoceptor antagonist, DPSPX, 118, 1675
 - Drosophila melanogaster**, Actions of picrodendrin antagonists on dieltrin-sensitive and -resistant *Drosophila* GABA receptors, 119, 1569
 - Agonist pharmacology of two *Drosophila* GABA receptor splice variants, 119, 1577
 - Drug accumulation, cellular**, Inhibition by vitamin E of drug accumulation and of phospholipidosis induced by desipramine and other cationic amphiphilic drugs in human cultured cells, 119, 829
 - Drug delivery**, Exogenous pulmonary surfactant as a drug delivering agent: influence of antibiotics on surfactant activity, 118, 593
 - Drug disposition**, Substantial excretion of digoxin via the intestinal mucosa and prevention of long-term digoxin accumulation in the brain by the mdrla *P*-glycoprotein, 119, 1038
 - Drug metabolism**, Metabolism of the macrolide immunosuppressant, tacrolimus, by the pig gut mucosa in the Ussing chamber, 117, 1730
 - Ductus arteriosus**, Carbon monoxide-induced relaxation of the ductus arteriosus in the lamb: evidence against the prime role of guanylyl cyclase, 118, 1689
 - Inhibition of the contraction of the ductus arteriosus to oxygen by 1-aminobenzotriazole, a mechanism-based inactivator of cytochrome P450, 117, 1586
 - Duodenum**, Modulation by nitric oxide of spontaneous motility of the rat isolated duodenum: role of tachykinins, 118, 1335
 - Duodenum, rat**, Characterization of P₁-purinoceptors on rat isolated duodenum longitudinal muscle and muscularis mucosae, 117, 170
 - Differential development of adenosine A₁ and A_{2b} receptors in the rat duodenum, 119, 949
 - Responses of the longitudinal muscle and the muscularis mucosae of the rat duodenum to adenine and uracil nucleotides, 117, 823
 - Dynorphins**, Effect of opiates on transmitter release from visualized hypogastric boutons innervating the rat pelvic ganglia, 118, 1913
 - Improvement by dynorphin A (1–13) of galanin-induced impairment of memory accompanied by blockade of reductions in acetylcholine release in rats, 118, 255
 - Dystrophin**, Regulation of cytosolic calcium in skeletal muscle cells of the *mdx* mouse under conditions of stress, 118, 611
- E**
- E-4031**, Effects of class III antiarrhythmic drugs on the Na⁺-activated K⁺ channels in guinea-pig ventricular cells, 119, 133
 - Ebastine**, The role of ketoconazole in the QTc interval prolonging effects of H₁-antihistamines in a guinea-pig model of arrhythmogenicity, 119, 187
 - Ecabapide**, A cyclic GMP-dependent housekeeping Cl[−] channel in rabbit gastric parietal cells activated by a vasodilator ecabapide, 119, 1591
 - Econazole**, Extracellular site for econazole-mediated block of Ca²⁺ release-activated Ca²⁺ current (*I*_{crac}) in T lymphocytes, 119, 647
 - Functional effects of econazole on inducible nitric oxide synthase: production of a calmodulin-dependent enzyme, 117, 1053
 - Ecto-ATPase**, Enhancement of sympathetic purinergic neurotransmission in the guinea-pig isolated vas deferens by the novel ecto-ATPase inhibitor ARL 67156, 117, 867
 - Inhibition of ecto-ATPase by PPADS, suramin and reactive blue in endothelial cells, C₆ glioma cells and RAW 264.7 macrophages, 119, 1628
 - Ecto-nucleotidases**, PPADS and suramin as antagonists at cloned P_{2U}- and P_{2Y}-purinoceptors, 118, 704
 - Preferential activation of excitatory adenosine receptors at rat hippocampal and neuromuscular synapses by adenosine formed from released adenine nucleotides, 119, 253
 - Responses of the longitudinal muscle and the muscularis mucosae of the rat duodenum to adenine and uracil nucleotides, 117, 823
 - Suramin – a powerful inhibitor of neural ecto-diadenosine polyphosphate hydrolase, 119, 1
 - EEG**, Stimulation of 5-HT_{1A} receptors in the dorsal hippocampus and inhibition of limbic seizures induced by kainic acid in rats, 119, 813
 - Efaroxan**, Elevation of cytosolic calcium by imidazolines in mouse islets of Langerhans: implications for stimulus-response coupling of insulin release, 119, 911
 - Elastase**, Acute inflammatory response in the mouse: exacerbation by immunoneutralization of lipocortin 1, 117, 1145
 - Effects of SCA40 on human isolated bronchus and human polymorphonuclear leukocytes: comparison with rolipram, SKF94120 and levcromakalim, 119, 99
 - Protective effect of platelet activating factor antagonists on cultured endothelial cell lysis induced by elastase or activated neutrophils, 117, 902
 - Electrical field stimulation**, Influence of respiratory tract viral infection on endothelin-1-induced potentiation of cholinergic nerve-mediated contraction in mouse trachea, 119, 891
 - Inhibition by endothelin-1 of cholinergic nerve-mediated acetylcholine release and contraction in sheep isolated trachea, 118, 762
 - Electrolyte transport**, Cyclic AMP-dependent regulation of K⁺ transport in the rat distal colon, 118, 1477
 - Electron paramagnetic resonance spectroscopy**, Evidence for *N*-acetylcysteine-sensitive nitric oxide storage as dinitrosyl-iron complexes in lipopolysaccharide-treated rat aorta, 119, 1281
 - Electron spin resonance**, The mechanism of cardioprotection by *S*-nitrosothione monoethyl ester in rat isolated heart during cardioplegic ischaemic arrest, 119, 511
 - Elevated plus-maze**, Neurochemical and behavioural interactions between ibogaine and nicotine in the rat, 117, 743
 - Embolism, cerebral**, Effects of delayed treatment with nafronyl oxalate on

- microsphere embolism-induced changes in monoamine levels of rat brain regions, 118, 33
- EMD 57033**, Photolysis of the novel inotropes EMD 57033 and EMD 57439: evidence that Ca^{2+} sensitization and phosphodiesterase inhibition depend upon the same enantiomeric site, 118, 2037
- EMD 57439**, Photolysis of the novel inotropes EMD 57033 and EMD 57439: evidence that Ca^{2+} sensitization and phosphodiesterase inhibition depend upon the same enantiomeric site, 118, 2037
- Emesis**, The action of the NK_1 tachykinin receptor antagonist, CP 99,994, in antagonizing the acute and delayed emesis induced by cisplatin in the ferret, 119, 931
- An interaction of ondansetron and dexamethasone antagonizing cisplatin-induced acute and delayed emesis in the ferret, 118, 209
- Emetine**, Cardiotoxicity of emetine dihydrochloride by calcium channel blockade in isolated preparations and ventricular myocytes of guinea-pig hearts, 117, 377
- Enalapril**, Further investigations into the mechanism of the antihypertensive activity of the angiotensin AT_1 receptor antagonist, GR138950, 118, 711
- Inhibitory effects of fluvastatin, a new HMG-CoA reductase inhibitor, on the increase in vascular ACE activity in cholesterol-fed rabbits, 119, 1269
- Endocardium**, The role of the endocardium in the facilitatory effect of bradykinin on electrically-induced release of noradrenaline in rat cardiac ventricle, 118, 364
- Endogenous factor**, Endogenous inotropic factor-induced endothelium-dependent relaxation of vascular smooth muscle, 118, 228
- Endopeptidases**, Synthetic inhibitors of endopeptidase EC 3.4.24.15: potency and stability *in vitro* and *in vivo*, 118, 1269
- Endothelial cells**, 5-HT $_{2B}$ receptor-mediated calcium release from ryanodine-sensitive intracellular stores in human pulmonary artery endothelial cells, 117, 1081
- Angiotensin II-elicited signal transduction via AT_1 receptors in endothelial cells, 118, 79
 - Co-existence of P_{2Y} - and PPADS-insensitive P_{2U} -purinoceptors in endothelial cells from adrenal medulla, 119, 1223
 - Drug-induced *in vitro* inhibition of neutrophil-endothelial cell adhesion, 118, 471
 - The effect of linomide on the migration and the proliferation of capillary endothelial cells elicited by vascular endothelial growth factor, 119, 619
 - Effects of hydroxyethylrutosides on hypoxia-induced activation of human endothelial cells *in vitro*, 118, 599
 - Effects of protein tyrosine kinase inhibitors on cytokine-induced adhesion molecule expression by human umbilical vein endothelial cells, 118, 1761
 - Evidence for P-glycoprotein-modulated penetration of morphine-6-glucuronide into brain capillary endothelium, 118, 1879
 - Inhibition of ecto-ATPase by PPADS, suramin and reactive blue in endothelial cells, C $_6$ glioma cells and RAW 264.7 macrophages, 119, 1628
 - Inhibition of a store-operated Ca^{2+} entry pathway in human endothelial cells by the isoquinoline derivative LOE 908, 119, 702
 - Involvement of platelet cyclic GMP but not cyclic AMP suppression in leukocyte-dependent platelet adhesion to endothelial cells induced by platelet-activating factor *in vitro*, 117, 299
 - Protective effect of platelet activating factor antagonists on cultured endothelial cell lysis induced by elastase or activated neutrophils, 117, 902
 - Protein kinase C isoforms in bovine aortic endothelial cells: role in regulation of P_{2Y} - and P_{2U} -purinoceptor-stimulated prostacyclin release, 118, 123
 - Self-limiting enhancement by nitric oxide of oxygen free radical-induced endothelial cell injury: evidence against the dual action of NO as hydroxyl radical donor/scavenger, 119, 455
 - Tumour necrosis factor- α -induced ICAM-1 expression in human vascular endothelial and lung epithelial cells: modulation by tyrosine kinase inhibitors, 119, 1149
- Endothelial cells, cardiac**, Evidence for a discrete UTP receptor in cardiac endothelial cells, 117, 1572
- Endothelial cells, EAhy 926**, Stimulation by the nucleotides, ATP and UTP of mitogen-activated protein kinase in EAhy 926 endothelial cells, 117, 1341
- Endothelial function**, Vasorelaxant and antiaggregatory properties of the endothelium: a comparative study in normocholesterolaemic and hereditary and dietary hypercholesterolaemic rabbits, 119, 1470
- Endothelins**, Action of the calcium channel blocker lacidipine on cardiac hypertrophy and endothelin-1 gene expression in stroke-prone hypertensive rats, 118, 659
- Bosentan-improved cardiopulmonary vascular performance and increased plasma levels of endothelin-1 in porcine endotoxin shock, 118, 617
 - Characterization of the binding of endothelin ET_B selective ligands in human and rat heart, 119, 631
 - Characterization of endothelin receptor subtypes mediating Ca^{2+} mobilization and contractile response in rabbit iris dilator muscle, 117, 1277
 - Characterization of endothelin receptors in the human umbilical artery and vein, 119, 1600
 - Comparison of endothelin ET_B (ET_B) receptors in rabbit isolated pulmonary artery and bronchus, 118, 1209
 - The distribution and density of receptor subtypes of endothelin-1 in peripheral lung of the rat, guinea-pig and pig, 117, 729
 - Effects of calcium antagonists on endothelin-1-induced myocardial ischaemia and oedema in the rat, 118, 893
 - Effects of dexamethasone and SB 209670 on the regional haemodynamic responses to lipopolysaccharide in conscious rats, 118, 141
 - Effects of the non-peptide, non-selective endothelin antagonist, bosentan, on regional haemodynamic responses to N^G -monomethyl-L-arginine in conscious rats, 118, 352
 - Endothelin-1 mediated inhibition of the acetylcholine-activated potassium current from rabbit isolated atrial cardiomyocytes, 119, 1427
 - The increase in human plasma immunoreactive endothelin but not big endothelin-1 or its C-terminal fragment induced by systemic administration of the endothelin antagonist TAK-044, 119, 311
 - Influence of aminoguanidine and the endothelin antagonist, SB 209670, on the regional haemodynamic effects of endotoxaemia in conscious rats, 118, 1822
 - Investigation of the contributions of nitric oxide and prostaglandins to the actions of endothelins and sarafotoxin 6c in rat isolated perfused lungs, 118, 1931
 - Paracrine renal endothelin system in rats with liver cirrhosis, 118, 220
 - Regional haemodynamic effects of antagonists of angiotensin II, endothelin and adrenoceptors in conscious, vasopressin-deficient, genetically hypertensive rats, 118, 325
 - Role of the neutral endopeptidase 24.11 in the conversion of big endothelins in guinea-pig lung parenchyma, 117, 184
 - Temporal differences between the involvement of angiotensin II and endothelin in the cardiovascular responses to endotoxaemia in conscious rats, 119, 1619
- Endothelins, big**, Bosentan-improved cardiopulmonary vascular performance and increased plasma levels of endothelin-1 in porcine endotoxin shock, 118, 617
- The increase in human plasma immunoreactive endothelin but not big endothelin-1 or its C-terminal fragment induced by systemic administration of the endothelin antagonist TAK-044, 119, 311
 - Role of the neutral endopeptidase 24.11 in the conversion of big endothelins in guinea-pig lung parenchyma, 117, 184
- Endothelin ET_A receptors**, Characterization of the binding of endothelin ET_B selective ligands in human and rat heart, 119, 631
- Characterization of the endothelin receptor selective agonist, BQ3020 and antagonists BQ123, FR139317, BQ788, 50235, Ro462005 and bosentan in the heart, 117, 455
 - Characterization of endothelin receptors in the human umbilical artery and vein, 119, 1600
 - The distribution and density of receptor subtypes of endothelin-1 in peripheral lung of the rat, guinea-pig and pig, 117, 729
 - Effect of selective blockade of endothelin ET_B receptors on the liver dysfunction and injury caused by endotoxaemia in the rat, 119, 479
 - Effects of calcium antagonists on endothelin-1-induced myocardial ischaemia and oedema in the rat, 118, 893
 - Endothelin receptors in human coronary artery and aorta, 117, 986

- Endothelin-1 and the periaqueductal gray area of the rat: an autoradiographic and functional pharmacological study, 118, 21
- Endothelin-1-induced potentiation of human airway smooth muscle proliferation: an ET_A receptor-mediated phenomenon, 118, 191
- Influence of regional differences in ET_A and ET_B receptor subtype proportions on endothelin-1-induced contractions in porcine isolated trachea and bronchus, 117, 736
- Necessity of dual blockade of endothelin ET_A and ET_B receptor subtypes for antagonism of endothelin-1-induced contraction in human bronchi, 117, 995
- Plasticity of contractile endothelin-B receptors in human arteries after organ culture, 119, 1159
- Time course of changes in ET_B receptor density and function in tracheal airway smooth muscle during respiratory tract viral infection in mice, 117, 1222
- Endothelin ET_A receptor antagonists**, Characterization of the endothelin receptor selective agonist, BQ3020 and antagonists BQ123, FR139317, BQ788, 50235, Ro462005 and bosentan in the heart, 117, 455
- Endothelins-induce cyclic AMP formation in the guinea-pig trachea through an ET_A receptor- and cyclooxygenase-dependent mechanism, 118, 531
- Endothelin ET_B receptors**, Characterization of the binding of endothelin ET_B selective ligands in human and rat heart, 119, 631
- Characterization of the endothelin receptor selective agonist, BQ3020 and antagonists BQ123, FR139317, BQ788, 50235, Ro462005 and bosentan in the heart, 117, 455
- Characterization of endothelin receptors in the human umbilical artery and vein, 119, 1600
- Comparison of endothelin_B (ET_B) receptors in rabbit isolated pulmonary artery and bronchus, 118, 1209
- The distribution and density of receptor subtypes of endothelin-1 in peripheral lung of the rat, guinea-pig and pig, 117, 729
- Effect of selective blockade of endothelin ET_B receptors on the liver dysfunction and injury caused by endotoxaemia in the rat, 119, 479
- Effects of calcium antagonists on endothelin-1-induced myocardial ischaemia and oedema in the rat, 118, 893
- Endothelin receptors in human coronary artery and aorta, 117, 986
- Endothelin-1 and the periaqueductal gray area of the rat: an autoradiographic and functional pharmacological study, 118, 21
- Endothelin-1-induced potentiation of human airway smooth muscle proliferation: an ET_A receptor-mediated phenomenon, 118, 191
- Endothelin_B receptor-mediated contraction in human pulmonary resistance arteries, 119, 1125
- Influence of regional differences in ET_A and ET_B receptor subtype proportions on endothelin-1-induced contractions in porcine isolated trachea and bronchus, 117, 736
- Localization of endothelin ET_B receptors on the myenteric plexus of guinea-pig ileum and the receptor-mediated release of acetylcholine, 118, 1171
- Necessity of dual blockade of endothelin ET_A and ET_B receptor subtypes for antagonism of endothelin-1-induced contraction in human bronchi, 117, 995
- Plasticity of contractile endothelin-B receptors in human arteries after organ culture, 119, 1159
- Time course of changes in ET_B receptor density and function in tracheal airway smooth muscle during respiratory tract viral infection in mice, 117, 1222
- Endothelin ET_B receptor agonists**, The induction of a biphasic bronchospasm by the ET_B agonist, IRL 1620, due to thromboxane A₂ generation and endothelin-1 release in guinea-pigs, 118, 1397
- Endothelin receptors**, Characterization of [¹²⁵I]-endothelin-1 and [¹²⁵I]-BQ3020 binding to rat cerebellar endothelin receptors, 118, 2126
- Effects of the endothelin receptor antagonist, SB 209670, on circulatory failure and organ injury in endotoxic shock in the anaesthetized rat, 118, 198
- Endothelin receptors in human coronary artery and aorta, 117, 986
- Endothelin_B (ET_B) receptor-activated potentiation of cholinergic nerve-mediated contraction in human bronchus, 118, 1873
- Endothelin_B receptor-mediated contraction in human pulmonary resistance arteries, 119, 1125
- Endothelins-induce cyclic AMP formation in the guinea-pig trachea through an ET_A receptor- and cyclooxygenase-dependent mechanism, 118, 531
- Influence of parainfluenza-1 respiratory tract viral infection on endothelin receptor-effector systems in mouse and rat tracheal smooth muscle, 119, 291
- Influence of respiratory tract viral infection on endothelin-1-induced potentiation of cholinergic nerve-mediated contraction in mouse trachea, 119, 891
- Inhibition by endothelin-1 of cholinergic nerve-mediated acetylcholine release and contraction in sheep isolated trachea, 118, 762
- Localization of endothelin ET_B receptors on the myenteric plexus of guinea-pig ileum and the receptor-mediated release of acetylcholine, 118, 1171
- Endothelin receptor subtypes**, Characterization of [¹²⁵I]-endothelin-1 and [¹²⁵I]-BQ3020 binding to rat cerebellar endothelin receptors, 118, 2126
- Characterization of endothelin receptor subtypes mediating Ca²⁺ mobilization and contractile response in rabbit iris dilator muscle, 117, 1277
- Endothelin-1-induced potentiation of human airway smooth muscle proliferation: an ET_A receptor-mediated phenomenon, 118, 191
- Failure of BQ123, a more potent antagonist of sarafotoxin 6b than of endothelin-1, to distinguish between these agonists in binding experiments, 118, 335
- Endothelin receptor antagonists**, Bosentan-improved cardiopulmonary vascular performance and increased plasma levels of endothelin-1 in porcine endotoxin shock, 118, 617
- Effect of endothelin antagonists on the responses to prostanoid endothelium-derived contracting factor, 118, 1429
- Effects of dexamethasone and SB 209670 on the regional haemodynamic responses to lipopolysaccharide in conscious rats, 118, 141
- Effects of the endothelin receptor antagonist, SB 209670, on circulatory failure and organ injury in endotoxic shock in the anaesthetized rat, 118, 198
- Effects of the non-peptide, non-selective endothelin antagonist, bosentan, on regional haemodynamic responses to N^G-monomethyl-L-arginine in conscious rats, 118, 352
- The increase in human plasma immunoreactive endothelin but not big endothelin-1 or its C-terminal fragment induced by systemic administration of the endothelin antagonist TAK-044, 119, 311
- Influence of aminoguanidine and the endothelin antagonist, SB 209670, on the regional haemodynamic effects of endotoxaemia in conscious rats, 118, 1822
- Paracrine renal endothelin system in rats with liver cirrhosis, 118, 220
- Endothelin-1**, Augmented contraction of the human isolated coronary artery by sumatriptan: a possible role for endogenous thromboxane, 119, 855
- Comparative studies of the angiogenic activity of vasoactive intestinal peptide, endothelins-1 and -3 and angiotensin II in a rat sponge model, 117, 545
- Effect of endothelin antagonists on the responses to prostanoid endothelium-derived contracting factor, 118, 1429
- The effects of calcitonin gene-related peptide on tracheal smooth muscle of guinea-pigs *in vitro*, 119, 1341
- Endothelin-1 and the periaqueductal gray area of the rat: an autoradiographic and functional pharmacological study, 118, 21
- Endothelin-1-induced potentiation of human airway smooth muscle proliferation: an ET_A receptor-mediated phenomenon, 118, 191
- The induction of a biphasic bronchospasm by the ET_B agonist, IRL 1620, due to thromboxane A₂ generation and endothelin-1 release in guinea-pigs, 118, 1397
- Influence of regional differences in ET_A and ET_B receptor subtype proportions on endothelin-1-induced contractions in porcine isolated trachea and bronchus, 117, 736
- Influence of respiratory tract viral infection on endothelin-1-induced potentiation of cholinergic nerve-mediated contraction in mouse trachea, 119, 891
- Inhibition of the contraction of the ductus arteriosus to oxygen by 1-aminobenzotriazole, a mechanism-based inactivator of cytochrome P450, 117, 1586
- Inhibition by endothelin-1 of cholinergic nerve-mediated acetylcholine

- release and contraction in sheep isolated trachea, **118, 762**
- Inhibitory effect of noradrenaline uptake inhibitors on contractions of rat aortic smooth muscle, **117, 533**
 - Necessity of dual blockade of endothelin ET_A and ET_B receptor subtypes for antagonism of endothelin-1-induced contraction in human bronchi, **117, 995**
 - Propofol regulation of calcium entry pathways in cultured A10 and rat aortic smooth muscle cells, **117, 5**
 - Time course of changes in ET_B receptor density and function in tracheal airway smooth muscle during respiratory tract viral infection in mice, **117, 1222**
- [¹²⁵I]-Endothelin-1**, Characterization of [¹²⁵I]-endothelin-1 and [¹²⁵I]-BQ3020 binding to rat cerebellar endothelin receptors, **118, 2126**
- Failure of BQ123, a more potent antagonist of sarafotoxin 6b than of endothelin-1, to distinguish between these agonists in binding experiments, **118, 335**
- Endothelin-3**, Characterization of the binding of endothelin ET_B selective ligands in human and rat heart, **119, 631**
- Comparative studies of the angiogenic activity of vasoactive intestinal peptide, endothelins-1 and -3 and angiotensin II in a rat sponge model, **117, 545**
 - Endothelin-1-induced potentiation of human airway smooth muscle proliferation: an ET_A receptor-mediated phenomenon, **118, 191**
- Endothelin-converting enzymes**, Role of the neutral endopeptidase 24.11 in the conversion of big endothelins in guinea-pig lung parenchyma, **117, 184**
- Endothelium**, Activation of multiple sites by adenosine analogues in the rat isolated aorta, **118, 1509**
- Alterations of cyclo-oxygenase products and NO in responses to angiotensin II of resistance arteries from the spontaneously hypertensive rat, **119, 1635**
 - Attenuation of endotoxin-induced multiple organ dysfunction by 1-amino-2-hydroxy-guanidine, a potent inhibitor of inducible nitric oxide synthase, **118, 261**
 - Bradykinin and changes in microvascular permeability in the hamster cheek pouch: role of nitric oxide, **118, 1371**
 - Changes in superoxide dismutase mRNA expression by streptozotocin-induced diabetes, **119, 583**
 - Dual regulation of cerebrovascular tone by UTP: P_{2U} receptor-mediated contraction and endothelium-dependent relaxation, **118, 847**
 - The effect of the calcium-antagonist nitrendipine on intracellular calcium concentration in endothelial cells, **118, 1899**
 - Effect of celiprolol therapy on arterial dilatation in experimental hypertension, **119, 1137**
 - Effect of endothelin antagonists on the responses to prostanoid endothelium-derived contracting factor, **118, 1429**
 - The effect of insulin treatment and of islet transplantation on the resistance artery function in the STZ-induced diabetic rat, **119, 495**
 - The effect of ischaemia on endothelium-dependent vasodilatation and adrenoceptor-mediated vasoconstriction in rat isolated hearts, **117, 1047**
 - Effect of verapamil on intimal thickening and vascular reactivity in the collared carotid artery of the rabbit, **118, 1681**
 - Effects of adrenomedullin and calcitonin gene-related peptide on airway and pulmonary vascular smooth muscle in guinea-pigs, **119, 1477**
 - Effects of cyclic GMP elevation on isoprenaline-induced increase in cyclic AMP and relaxation in rat aortic smooth muscle: role of phosphodiesterase 3, **119, 471**
 - Effects of cytochrome P450 inhibitors on EDHF-mediated relaxation in the rat hepatic artery, **118, 1147**
 - Effects of protein tyrosine kinase inhibitors on cytokine-induced adhesion molecule expression by human umbilical vein endothelial cells, **118, 1761**
 - Endogenous inotropic factor-induced endothelium-dependent relaxation of vascular smooth muscle, **118, 228**
 - Endothelial 5-HT receptors mediate relaxation of porcine pulmonary arteries in response to ergotamine and dihydroergotamine, **119, 330**
 - Endothelial modulation of α₁-adrenoceptor contractile responses in the tail artery of spontaneously hypertensive rats, **119, 765**
 - Endothelin-1-induced contraction in isolated aortae from normotensive and DOCA-salt hypertensive rats: effect of magnesium, **119, 1367**
 - Endothelium-dependent and NO-mediated desensitization to vasopressin in rat aorta, **119, 899**
 - Endothelium-derived factors and hyperpolarization of the carotid artery of the guinea-pig, **119, 959**
 - Evidence that potassium channels make a major contribution to SIN-1-evoked relaxation of rat isolated mesenteric artery, **119, 1557**
 - Increased responsiveness of human pulmonary arteries in patients with positive bronchodilator response, **119, 1337**
 - Influence of contractile agonists on the mechanism of endothelium-dependent relaxation in rat isolated mesenteric artery, **119, 191**
 - Inhibition of nitric oxide synthase by 1-(2-trifluoromethylphenyl)imidazole (TRIM) *in vitro*: antinociceptive and cardiovascular effects, **119, 423**
 - Inhibition by SK&F96365 of NO-mediated relaxation induced by Ca²⁺-ATPase inhibitors in rat thoracic aorta, **117, 1544**
 - Inhibitors of the cytochrome P450-mono-oxygenase and endothelium-dependent hyperpolarizations in the guinea-pig isolated carotid artery, **117, 607**
 - Inhibitory effect of noradrenaline uptake inhibitors on contractions of rat aortic smooth muscle, **117, 533**
 - Investigation of endogenous nitric oxide vascular function in the carotid artery of cholesterol-fed rabbits, **117, 1471**
 - Lugustrazine-induced endothelium-dependent relaxation in pulmonary arteries via an NO-mediated and exogenous L-arginine-dependent mechanism, **119, 1063**
 - Mechanism of 5-hydroxytryptamine-induced coronary vasodilatation assessed by direct detection of nitric oxide production in guinea-pig isolated heart, **119, 721**
 - Mechanism of butyrate-induced vasorelaxation of rat mesenteric resistance artery, **117, 365**
 - Mesenteric arterial function in the rat in pregnancy: role of sympathetic and sensory-motor perivascular nerves, endothelium, smooth muscle, nitric oxide and prostaglandins, **117, 1463**
 - Modulation of vasorelaxant responses to potassium channel openers by basal nitric oxide in the rat isolated superior mesenteric arterial bed, **117, 859**
 - Participation of 5-HT₁-like and 5-HT_{2A} receptors in the contraction of human temporal artery by 5-hydroxytryptamine and related drugs, **117, 283**
 - Potent block of volume-activated chloride currents in endothelial cells by the uncharged form of quinine and quinidine, **118, 1869**
 - Preservation of endothelium-dependent relaxation in cholesterol-fed and streptozotocin-induced diabetic mice by the chronic administration of cholestyramine, **118, 385**
 - Rat proteinase-activated receptor-2 (PAR-2): cDNA sequence and activity of receptor-derived peptides in gastric and vascular tissue, **118, 521**
 - Regulation by metformin of the hexose transport system in vascular endothelial and smooth muscle cells, **117, 1318**
 - Relative contribution of P_{2U}- and P_{2Y}-purinoceptors to endothelium-dependent vasodilatation in the golden hamster isolated mesenteric arterial bed, **117, 1797**
 - Role of potassium channels in endothelium-dependent relaxation resistant to nitroarginine in the rat hepatic artery, **117, 1600**
 - Vasorelaxant and antiaggregatory properties of the endothelium: a comparative study in normocholesterolaemic and hereditary and dietary hypercholesterolaemic rabbits, **119, 1470**
- Endothelium, brain capillary**, The P_{2Y} purinoceptor in rat brain microvascular endothelial cells couple to inhibition of adenylate cyclase, **119, 1385**
- Endothelium-dependent relaxation**, Inhibition of nitric oxide synthesis by N^G-nitro-L-arginine methyl ester (L-NAME): requirement for bioactivation to the free acid, N^G-nitro-L-arginine, **118, 1433**
- Endothelium-derived contracting factor**, Effect of endothelin antagonists on the responses to prostanoid endothelium-derived contracting factor, **118, 1429**
- Endothelium-derived hyperpolarizing factor**, Effects of cytochrome P450 inhibitors on EDHF-mediated relaxation in the rat hepatic artery, **118, 1147**
- Effects of cytochrome P450 inhibitors on potassium currents and mechanical activity in rat portal vein, **119, 691**
 - Endothelium-dependent relaxation and hyperpolarization evoked by

- bradykinin in canine coronary arteries: enhancement by exercise-training, 117, 413
- Endothelium-derived factors and hyperpolarization of the carotid artery of the guinea-pig, 119, 959
 - Evidence for mediation by endothelium-derived hyperpolarizing factor of relaxation to bradykinin in the bovine isolated coronary artery independently of voltage-operated Ca^{2+} channels, 117, 1035
 - Inhibitors of the cytochrome P450-mono-oxygenase and endothelium-dependent hyperpolarizations in the guinea-pig isolated carotid artery, 117, 607
- Endothelium-derived relaxing factor**, Cardioprotective actions of oligotide, a single stranded polydeoxyribonucleotide complex, in myocardial ischaemia and reperfusion injury, 117, 1000
- Comparison of the effects of hydroxocobalamin and oxyhaemoglobin on responses to NO, EDRF and the nitrgic transmitter, 117, 805
 - Dual regulation of cerebrovascular tone by UTP: $\text{P}_{2\text{U}}$ receptor-mediated contraction and endothelium-dependent relaxation, 118, 847
 - The effect of insulin treatment and of islet transplantation on the resistance artery function in the STZ-induced diabetic rat, 119, 495
 - Inhibition of NO-mediated responses by 7-ethoxyresorufin, a substrate and competitive inhibitor of cytochrome P₄₅₀, 118, 57
 - Involvement of platelet cyclic GMP but not cyclic AMP suppression in leukocyte-dependent platelet adhesion to endothelial cells induced by platelet-activating factor *in vitro*, 117, 299
 - Mechanisms of L-N^{G} nitroarginine/indomethacin-resistant relaxation in bovine and porcine coronary arteries, 119, 1177
 - Mechanotransduction through the endothelial cytoskeleton: mediation of flow- but not agonist-induced EDRF release, 118, 720
 - Spontaneous rearrangement of aminoalkylisothioureas into mercaptoalkylguanidines, a novel class of nitric oxide synthase inhibitors with selectivity towards the inducible isoform, 117, 619
 - Vasoconstrictor responsiveness of the rat mesenteric arterial bed in cirrhosis, 118, 435
- Endotoxic shock**, Alteration by lipopolysaccharide of the relationship between intracellular calcium levels and contraction in rat mesenteric artery, 118, 1218
- Attenuation of endotoxin-induced multiple organ dysfunction by 1-amino-2-hydroxy-guanidine, a potent inhibitor of inducible nitric oxide synthase, 118, 261
 - Effect of selective blockade of endothelin ET_B receptors on the liver dysfunction and injury caused by endotoxaemia in the rat, 119, 479
 - Effects of the endothelin receptor antagonist, SB 209670, on circulatory failure and organ injury in endotoxic shock in the anaesthetized rat, 118, 198
 - Effects of UR-12633, a new antagonist of platelet-activating factor, in rodent models of endotoxic shock, 118, 1223
- Endotoxins**, 2-Amino-4-methylpyridine as a potent inhibitor of inducible NO synthase activity *in vitro* and *in vivo*, 119, 1101
- The contribution of nitric oxide to endotoxin-induced ocular inflammation: interaction with sensory nerve fibres, 118, 1537
 - Delayed protection against ischaemia-induced ventricular arrhythmias and infarct size limitation by the prior administration of *Escherichia coli* endotoxin, 118, 2157
 - Downregulation of nitrovasodilator-induced cyclic GMP accumulation in cells exposed to endotoxin or interleukin- 1β , 118, 1359
 - Effects of selective phosphodiesterase 3 inhibition in the perfused liver of the rat after endotoxin treatment, 118, 790
 - Impaired arterial reactivity following cytomegalovirus infection in the immunosuppressed rat, 119, 637
 - Pharmacological characterization of guanidinoethylsulphide (GED), a novel inhibitor of nitric oxide synthase with selectivity towards the inducible isoform, 118, 1659
 - Rapid nitric oxide- and prostaglandin-dependent release of calcitonin gene-related peptide (CGRP) triggered by endotoxin in rat mesenteric arterial bed, 118, 2164
 - Spontaneous rearrangement of aminoalkylisothioureas into mercaptoalkylguanidines, a novel class of nitric oxide synthase inhibitors with selectivity towards the inducible isoform, 117, 619
 - Upregulation of B_1 receptor mediating des-Arg⁹-BK-induced rat paw oedema by systemic treatment with bacterial endotoxin, 117, 793
- Energy metabolism**, Inhibition of glycolysis and enhanced mechanical function of working rat hearts as a result of adenosine A_1 receptor stimulation during reperfusion following ischaemia, 118, 355
- Enkephalins**, Similar decrease in spontaneous morphine abstinence by methadone and RB 101, an inhibitor of enkephalin catabolism, 119, 174
- Enoximone**, Effects of selective phosphodiesterase 3 inhibition in the perfused liver of the rat after endotoxin treatment, 118, 790
- Enprofylline**, The effect of isoenzyme-selective PDE inhibitors on methacholine-induced contraction of guinea-pig and rat ileum, 118, 2131
- Enteric neurones**, Analysis of contributions of acetylcholine and tachykinins to neuro-neuronal transmission in motility reflexes in the guinea-pig ileum, 118, 973
- $\text{P}_{2\text{X}}$ -Purinoceptors of myenteric neurones from the guinea-pig ileum and their unusual pharmacological properties, 119, 1541
- Enteric reflexes**, Analysis of contributions of acetylcholine and tachykinins to neuro-neuronal transmission in motility reflexes in the guinea-pig ileum, 118, 973
- Enterohepatic circulation**, Substantial excretion of digoxin via the intestinal mucosa and prevention of long-term digoxin accumulation in the brain by the *mdr1a* P-glycoprotein, 119, 1038
- Eosinophils**, Augmentation by eosinophils of gelatinase activity in the airway mucosa: comparative effects as a putative mediator of epithelial injury, 117, 667
- Cyclic AMP-elevating agents prolong or inhibit eosinophil survival depending on prior exposure to GM-CSF, 117, 79
 - Effect of dexamethasone and endogenous corticosterone on airway hyperresponsiveness and eosinophilia in the mouse, 119, 1484
 - The effect of selective phosphodiesterase 3 and 4 isoenzyme inhibitors and established anti-asthma drugs on inflammatory cell activation, 119, 1255
 - Effects of agents which elevate cyclic AMP on guinea-pig eosinophil homotypic aggregation, 118, 2099
 - Effects of dexamethasone and cyclosporin A on the accumulation of eosinophils in acute cutaneous inflammation in the guinea-pig, 118, 317
 - The inhibition of antigen-induced eosinophilia and bronchoconstriction by CDP840, a novel stereo-selective inhibitor of phosphodiesterase type 4, 118, 1183
 - Involvement of prostaglandins in the down-regulation of allergic plasma leakage observed in rats undergoing pleural eosinophilia, 118, 2192
- Eosinophils, human**, Effects of theophylline and rolipram on leukotriene C_4 (LTC_4) synthesis and chemotaxis of human eosinophils from normal and atopic subjects, 118, 1727
- Epidermal growth factor**, Endothelin-1-induced potentiation of human airway smooth muscle proliferation: an ET_A receptor-mediated phenomenon, 118, 191
- Epididymis, guinea-pig**, α -Adrenoceptor mediated responses of the cauda epididymis of the guinea-pig, 119, 1203
- Epilepsy**, Anticonvulsant effects of 7-nitroindazole in rodents with reflex epilepsy may result from L-arginine accumulation or a reduction in nitric oxide or L-citrulline formation, 119, 165
- Effects of γ -aminobutyric acid (GABA) agonists and GABA uptake inhibitors on pharmacosensitive and pharmacoresistant epileptiform activity *in vitro*, 119, 569
 - Frequency-dependent inhibition of neuronal activity by lappaconitine in normal and epileptic hippocampal slices, 118, 577
 - Human brain somatostatin release from isolated cortical nerve endings and its modulation through GABA_B receptors, 118, 1441
 - Stimulation of 5-HT $_{1\text{A}}$ receptors in the dorsal hippocampus and inhibition of limbic seizures induced by kainic acid in rats, 119, 813
- Epirubicin**, Development of the model of rat isolated perfused heart for the evaluation of anthracycline cardiotoxicity and its circumvention, 117, 1593
- Epithelial cells**, Adrenoceptor- and cholinceptor-mediated mechanisms in the regulation of 5-hydroxytryptamine release from isolated tracheae of newborn rabbits, 119, 91
- Tumour necrosis factor- α -induced ICAM-1 expression in human vascular endothelial and lung epithelial cells: modulation by tyrosine kinase inhibitors, 119, 1149
- Epithelial cells, airway**, Increased interleukin-8 release by β -adrenoceptor activation in human transformed bronchial epithelial cells, 119, 402
- Epithelial cells, colon**, Interleukin-8 production by the human colon

- epithelial cell line HT-29: modulation by interleukin-13, 119, 351
- Epithelial cells, tracheal**, Pharmacological and functional characterization of bradykinin receptors in canine cultured tracheal epithelial cells, 119, 439
- Epithelium**, The functional investigation of a human adenocarcinoma cell line, stably transfected with the neuropeptide Y Y₁ receptor, 119, 321
- Transport and epithelial secretion of the cardiac glycoside, digoxin, by human intestinal epithelial (Caco-2) cells, 118, 1389
- Epithelium, airways**, Augmentation by eosinophils of gelatinase activity in the airway mucosa: comparative effects as a putative mediator of epithelial injury, 117, 667
- The effects of calcitonin gene-related peptide on tracheal smooth muscle of guinea-pigs *in vitro*, 119, 1341
 - Evidence that tachykinins relax the guinea-pig trachea *via* nitric oxide release and by stimulation of a septide-insensitive NK₁ receptor, 117, 1270
- Epithelium, renal**, Chloride channel blockers decrease intracellular pH in cultured renal epithelial LLC-PK₁ cells, 118, 443
- Epoxyeicosatrienoic acid**, Effects of cytochrome P450 inhibitors on EDHF-mediated relaxation in the rat hepatic artery, 118, 1147
- Ergotamine**, Endothelial 5-HT receptors mediate relaxation of porcine pulmonary arteries in response to ergotamine and dihydroergotamine, 119, 330
- Erythrocytes**, Identification of potent P_{2Y}-purinoceptor agonists that are derivatives of adenosine 5'-monophosphate, 118, 1959
- Ethacrynic acid**, Activation of potassium currents by inhibitors of calcium-activated chloride conductance in rabbit portal vein smooth muscle cells, 118, 513
- Ethanol**, Evidence of differential effects produced by ethanol on specific phospholipid biosynthetic pathways in rat hepatocytes, 119, 233
- 7-Ethoxyresorufin**, Inhibition of NO-mediated responses by 7-ethoxyresorufin, a substrate and competitive inhibitor of cytochrome P₄₅₀, 118, 57
- S-Ethylisothiurea**, Effects of S-ethylisothiurea, a potent inhibitor of nitric oxide synthase, alone or in combination with a nitric oxide donor in splanchnic artery occlusion shock, 119, 23
- N-Ethylmaleimide**, Functional characterization of 5-HT_{1D} autoreceptors on the modulation of 5-HT release in guinea-pig mesencephalic raphe, 118, 681
- Etomidate**, Interaction of positive allosteric modulators with human and *Drosophila* recombinant GABA receptors expressed in *Xenopus laevis* oocytes, 118, 563
- Euglobulin clot lysis time**, Attenuation by prolonged nitric oxide synthase inhibition of the enhancement of fibrinolysis caused by environmental stress in the rat, 119, 346
- Evening primrose oil**, Deficient nitric oxide responsible for reduced nerve blood flow in diabetic rats: effects of L-NAME, L-arginine, sodium nitroprusside and evening primrose oil, 118, 186
- Excitatory amino acids**, Depression of glutamatergic transmission by nociceptin in the neonatal rat hemisectioned spinal cord preparation *in vitro*, 119, 189
- Release of vasopressin and oxytocin by excitatory amino acid agonists and the effect of antagonists on release by muscarine and hypertonic saline, in the rat *in vivo*, 117, 309
- Excitatory amino acid receptors**, Comparison of the autoradiographic binding distribution of [³H]-gabapentin with excitatory amino acid receptor and amino acid uptake site distributions in rat brain, 118, 457
- Effect of 1-aminocyclopropanecarboxylic acid on N-methyl-D-aspartate-stimulated [³H]-noradrenaline release in rat hippocampal synaptosomes, 118, 901
- Excitatory amino acid receptor agonists**, Release of vasopressin and oxytocin by excitatory amino acid agonists and the effect of antagonists on release by muscarine and hypertonic saline, in the rat *in vivo*, 117, 309
- Excitatory amino acid receptor antagonists**, Release of vasopressin and oxytocin by excitatory amino acid agonists and the effect of antagonists on release by muscarine and hypertonic saline, in the rat *in vivo*, 117, 309
- Excitatory amino acid release**, The excitatory and inhibitory modulation of primary afferent fibre-evoked responses of ventral roots in the neonatal rat spinal cord exerted by nitric oxide, 118, 1743
- Metabotropic glutamate receptors, transmitter output and fatty acids: studies in rat brain slices, 117, 189
- Excitatory synaptic transmission**, Thromboxane A₂ agonist modulation of excitatory synaptic transmission in the rat hippocampal slice, 118, 2220
- Exocytosis**, Dual regulation of the Na⁺/H⁺-exchange in rat peritoneal mast cells: role of protein kinase C and calcium on pH_i regulation and histamine release, 118, 1327
- Extracellular-signal regulated kinase (ERK)**, The identification of DL-threo dihydrosphingosine and sphingosine as novel inhibitors of extracellular signal-regulated kinase signalling in airway smooth muscle, 119, 185
- Inhibition by pentoxifylline of extracellular signal-regulated kinase activation by platelet-derived growth factor in hepatic stellate cells, 119, 1117
- Eye, rabbit**, The contribution of nitric oxide to endotoxin-induced ocular inflammation: interaction with sensory nerve fibres, 118, 1537

F

- Fasudil (HA1077)**, Neuroprotective properties of a protein kinase inhibitor against ischaemia-induced neuronal damage in rats and gerbils, 118, 1592
- Fatty acids**, Decreased susceptibility to copper-induced oxidation of rat-lipoproteins after fibrates treatment: influence of fatty acid composition, 117, 1155
- Metabotropic glutamate receptors, transmitter output and fatty acids: studies in rat brain slices, 117, 189
- Fentanyl**, Reversal by naloxone of the spinal antinociceptive actions of a systemically-administered NSAID, 118, 968
- Ferric ion**, Self-limiting enhancement by nitric oxide of oxygen free radical-induced endothelial cell injury: evidence against the dual action of NO as hydroxyl radical donor/scavenger, 119, 455
- Fever**, Nitric oxide synthase-cyclo-oxygenase pathways in organum vasculum laminae terminalis: possible role in pyrogenic fever in rabbits, 118, 179
- The role of TNF- α in fever: opposing actions of human and murine TNF- α and interactions with IL- β in the rat, 118, 1919
- Fibrates**, Decreased susceptibility to copper-induced oxidation of rat-lipoproteins after fibrates treatment: influence of fatty acid composition, 117, 1155
- Fibrillation**, Effects of tedisamil (KC-8857) on cardiac electrophysiology and ventricular fibrillation in the rabbit isolated heart, 117, 1261
- Fibrinogen**, Attenuation by prolonged nitric oxide synthase inhibition of the enhancement of fibrinolysis caused by environmental stress in the rat, 119, 346
- Evidence that endogenous nitric oxide modulates plasma fibrinogen levels in the rat, 117, 236
 - Increase by adrenaline or angiotensin II of the accumulation of low density lipoprotein and fibrinogen by aortic walls in unrestrained conscious rats, 117, 1089
- Fibrinolysis**, Attenuation by prolonged nitric oxide synthase inhibition of the enhancement of fibrinolysis caused by environmental stress in the rat, 119, 346
- Evidence that endogenous nitric oxide modulates plasma fibrinogen levels in the rat, 117, 236
- Fibroblasts**, Blockade of swelling-induced chloride channels by phenol derivatives, 118, 41
- Differences in the operational characteristics of the human recombinant somatostatin receptor types, sst₁ and sst₂, in mouse fibroblast (Ltk) cells, 117, 639
 - Selective labelling of bradykinin receptor subtypes in WI38 human lung fibroblasts, 119, 863
- Fibroblasts, synovial**, Differential effects of protein kinase C inhibitors on chemokine production in human synovial fibroblasts, 117, 1245
- Fissistigma glaucescens**, Electrophysiological mechanisms for antiarrhythmic efficacy and positive inotropy of lirioidenine, a natural aporphine alkaloid from *Fissistigma glaucescens*, 118, 1571
- FK 224**, Involvement of NK₂ receptors rather than NK₁ receptors in bronchial hyperresponsiveness induced by allergic reaction in guinea-pigs, 117, 443

- FK 409**, Nitric oxide inhibition of basal and neurogenic mucus secretion in ferret trachea *in vitro*, 118, 998
- FK 453**, Effects of a selective adenosine A₁ receptor antagonist on the development of cyclosporin nephrotoxicity, 117, 879
- FK 888**, Characterization of tachykinin receptors mediating plasma extravasation and vasodilatation in normal and acutely inflamed knee joints of the rat, 118, 2107
- Involvement of NK₂ receptors rather than NK₁ receptors in bronchial hyperresponsiveness induced by allergic reaction in guinea-pigs, 117, 443
- Flesinoxan**, The cardiovascular and renal functional responses to the 5-HT_{1A} receptor agonist flesinoxan in two rat models of hypertension, 118, 1891
- Flufenamic acid**, Inhibition by fenamates of calcium influx and proliferation of human lymphocytes, 119, 487
- Flunitrazepam**, The influence of membrane cholesterol on the GABA_A receptor, 117, 87
- Flunixin**, Reversal by naloxone of the spinal antinociceptive actions of a systemically-administered NSAID, 118, 968
- (S)- α -Fluoromethylhistidine**, The effect of dopamine D₁ receptor stimulation on the up-regulation of histamine H₃-receptors following destruction of the ascending dopaminergic neurones, 118, 585
- Fluvastatin**, Inhibitory effects of fluvastatin, a new HMG-CoA reductase inhibitor, on the increase in vascular ACE activity in cholesterol-fed rabbits, 119, 1269
- Foetus**, Comparison of angiotensin II type 1 receptor blockade and angiotensin-converting enzyme inhibition in pregnant sheep during late gestation, 119, 393
- Inhibition of the contraction of the ductus arteriosus to oxygen by 1-aminobenzotriazole, a mechanism-based inactivator of cytochrome P450, 117, 1586
- Forced-swimming test**, Impairment of stress adaptive behaviours in rats by the CCK_A receptor antagonist, devazepide, 118, 400
- Formalin**, Antinociceptive profile of the pseudopeptide B₂ bradykinin receptor antagonist NPC 18688 in mice, 117, 552
- Effect of CCK receptor antagonists on the antinociceptive, reinforcing and gut motility properties of morphine, 118, 1317
- Forskolin**, Activation of cardiac chloride conductance by the tyrosine kinase inhibitor, genistein, 119, 335
- Adrenoceptor- and cholinceptor-mediated mechanisms in the regulation of 5-hydroxytryptamine release from isolated tracheae of newborn rabbits, 119, 91
 - The effect of forskolin on 5-HT₁-like and angiotensin II-induced vasoconstriction and cyclic AMP content of the rabbit isolated femoral artery, 118, 627
 - Force and intracellular Ca²⁺ during cyclic nucleotide-mediated relaxation of rat anococcygeus muscle and the effects of cyclopiazonic acid, 119, 1029
 - Modulation of agonist-induced phosphoinositide metabolism, Ca²⁺ signalling and contraction of airway smooth muscle by cyclic AMP-dependent mechanisms, 117, 419
 - Phorbol ester activation of chloride current in guinea-pig ventricular myocytes, 117, 1395
- Fos-protein**, Tyrphostin inhibition of ATP-stimulated DNA synthesis, cell proliferation and Fos-protein expression in vascular smooth muscle cells, 118, 1028
- FR 139317**, Characterization of the endothelin receptor selective agonist, BQ3020 and antagonists BQ123, FR139317, BQ788, 50235, Ro462005 and bosentan in the heart, 117, 455
- Plasticity of contractile endothelin-B receptors in human arteries after organ culture, 119, 1159
- Free radicals**, Influence of ACTH-(1–24) on free radical levels in the blood of haemorrhage-shocked rats: direct *ex vivo* detection by electron spin resonance spectrometry, 119, 29
- Protection of low density lipoprotein oxidation at chemical and cellular level by the antioxidant drug dipyrindamole, 119, 1438
- Free radicals, oxygen-derived**, Enhanced vasocontraction of rat tail arteries by toxoflavin, 117, 293
- Fura-2**, Co-existence of P_{2Y}- and PPADS-insensitive P_{2U}-purinoceptors in endothelial cells from adrenal medulla, 119, 1223
- The effect of the calcium-antagonist nitrendipine on intracellular calcium concentration in endothelial cells, 118, 1899
- Effect of cyclosporin A and analogues on cytosolic calcium and vasoconstriction: possible lack of relationship to immunosuppressive activity, 118, 885
 - Some effects of nipradilol, a β -antagonist possessing a nitroxy group, on smooth muscle of the pig coronary artery, 117, 1707
 - Elevation of cytosolic calcium by imidazolines in mouse islets of Langerhans: implications for stimulus-response coupling of insulin release, 119, 911
 - Force and intracellular Ca²⁺ during cyclic nucleotide-mediated relaxation of rat anococcygeus muscle and the effects of cyclopiazonic acid, 119, 1029
 - The mechanism of acidic pH-induced contraction in aortae from SHR and WKY rats enhanced by increasing blood pressure, 118, 485
- Furosemide**, The influence of moderate hypoalbuminaemia on the renal metabolism and dynamics of furosemide in the rabbit, 119, 885

G

- G-proteins**, Calphostin C-sensitive enhancements of force by lysophosphatidylinositol and diacylglycerols in mesenteric arteries from the rat, 119, 15
- The effects of saponin on the binding and functional properties of the human adenosine A₁ receptor, 117, 1521
 - Enhanced contractile responses of arteries from streptozotocin diabetic rats to sodium fluoride, 118, 115
 - Influence of pertussis toxin on the calcitonin-opioid interaction in isolated tissues, 119, 804
 - Mechanism of inhibition of calcium channels in rat nucleus tractus solitarius by neurotransmitters, 118, 1341
 - Mechanisms of L-N^G nitroarginine/indomethacin-resistant relaxation in bovine and porcine coronary arteries, 119, 1177
 - Modification of aortic contractility in the cardiomyopathic hamster, 118, 1141
 - Modulation by atrial natriuretic factor of receptor-mediated cyclic AMP-dependent responses in canine pulmonary artery during heart failure, 118, 1886
 - Neuropeptide Y Y₂ receptor-mediated attenuation of neurogenic plasma extravasation acting through pertussis toxin-sensitive mechanisms, 119, 229
 - A novel GTP-dependent mechanism of ileal muscarinic metabotropic channel desensitization, 119, 997
 - Oestradiol-induced relaxation of rabbit basilar artery by inhibition of voltage-dependent Ca channels through GTP-binding protein, 117, 351
 - Pharmacological analysis of dopamine stimulation of [³⁵S]-GTP γ S binding via human D_{2short} and D_{2long} dopamine receptors expressed in recombinant cells, 118, 1544
 - Phospholipase C isoforms in vascular smooth muscle and their regulation by G-proteins, 118, 1003
 - PK 11195 blockade of benzodiazepine-induced inhibition of forskolin-stimulated adenylate cyclase activity in the striatum, 119, 223
 - Thromboxane A₂ agonist modulation of excitatory synaptic transmission in the rat hippocampal slice, 118, 2220
 - Thromboxane A₂-mediated shape change: independent of Gq-phospholipase C-Ca²⁺ pathway in rabbit platelets, 117, 1095
- GABA**, Barbiturate interactions at the human GABA_A receptor: dependence on receptor subunit combination, 117, 521
- The effect of GABA stimulation on GABA_A receptor subunit protein and mRNA expression in rat cultured cerebellar granule cells, 119, 1393
 - The effects of the muscle relaxant, CS-722, on synaptic activity of cultured neurones, 119, 126
 - GABA, glutamate and substance P-like immunoreactivity release: effects of novel GABA_B antagonists, 118, 1153
 - Heterogeneous distribution of benzodiazepine receptors among rat neostriatal neurones, 118, 820
 - Potentiation by sevoflurane of the γ -aminobutyric acid-induced chloride current in acutely dissociated CA1 pyramidal neurones from rat hippocampus, 119, 1013
 - Presynaptic modulation by L-glutamate and GABA of sympathetic co-transmission in rat isolated vas deferens, 118, 755
- GABA receptors**, Actions of picrodendrin antagonists on dieldrin-

- sensitive and -resistant *Drosophila* GABA receptors, 119, 1569
- Agonist pharmacology of two *Drosophila* GABA receptor splice variants, 119, 1577
 - Differential regulation of 5-hydroxytryptamine release by GABA_A and GABA_B receptors in midbrain raphe nuclei and forebrain of rats, 119, 1375
 - Potentiation by sevoflurane of the γ -aminobutyric acid-induced chloride current in acutely dissociated CA1 pyramidal neurones from rat hippocampus, 119, 1013
- GABA receptors, insect**, Allosteric modulation of an expressed homooligomeric GABA-gated chloride channel of *Drosophila melanogaster*, 117, 1229
- GABA receptor subunits**, Agonist pharmacology of two *Drosophila* GABA receptor splice variants, 119, 1577
- GABA transaminase**, Presynaptic modulation by L-glutamate and GABA of sympathetic co-transmission in rat isolated vas deferens, 118, 755
- GABA uptake**, Effects of γ -aminobutyric acid (GABA) agonists and GABA uptake inhibitors on pharmacosensitive and pharmacoresistant epileptiform activity *in vitro*, 119, 569
- GABA_A channels**, The influence of membrane cholesterol on the GABA_A receptor, 117, 87
- GABA_A receptors**, Actions of long chain alcohols on GABA_A and glutamate receptors: relation to *in vivo* effects, 118, 378
- Barbiturate interactions at the human GABA_A receptor: dependence on receptor subunit combination, 117, 521
 - Effects of intravenous anaesthetic agents on fast inhibitory oscillations in the rat hippocampus *in vitro*, 118, 1977
 - Functional correlation between allopregnanolone and [³⁵S]-TBPS binding in the brain of rats exposed to isoniazid, pentylenetetrazol or stress, 118, 839
 - GABA_A-receptor-mediated effects of progesterone, its ring-A-reduced metabolites and synthetic neuroactive steroids on neurogenic oedema in the rat meninges, 117, 99
 - Interaction of positive allosteric modulators with human and *Drosophila* recombinant GABA receptors expressed in *Xenopus laevis* oocytes, 118, 563
 - Molecular mechanisms of benzodiazepine-induced down-regulation of GABA_A receptor α_1 subunit protein in rat cerebellar granule cells, 118, 1103
- GABA_A receptor regulation**, The effect of GABA stimulation on GABA_A receptor subunit protein and mRNA expression in rat cultured cerebellar granule cells, 119, 1393
- GABA_B receptors**, Human brain somatostatin release from isolated cortical nerve endings and its modulation through GABA_B receptors, 118, 1441
- Mechanism of inhibition of calcium channels in rat nucleus tractus solitarius by neurotransmitters, 118, 1341
- GABA_B receptor agonists**, Electrophysiological actions of GABA_B agonists and antagonists in rat dorso-lateral septal neurones *in vitro*, 118, 961
- GABA_B receptor antagonists**, Electrophysiological actions of GABA_B agonists and antagonists in rat dorso-lateral septal neurones *in vitro*, 118, 961
- GABA, glutamate and substance P-like immunoreactivity release: effects of novel GABA_B antagonists, 118, 1153
- Gabapentin**, Comparison of the autoradiographic binding distribution of [³H]-gabapentin with excitatory amino acid receptor and amino acid uptake site distributions in rat brain, 118, 457
- Comparison of the uptake of [³H]-gabapentin with the uptake of L-[³H]-leucine into rat brain synaptosomes, 118, 449
- Gadolinium**, Effect of gadolinium on stretch-induced changes in contraction and intracellularly recorded action- and afterpotentials of rat isolated atrium, 118, 407
- Regulation of cytosolic calcium in skeletal muscle cells of the *mdx* mouse under conditions of stress, 118, 611
- Galanin**, Improvement by dynorphin A (1-13) of galanin-induced impairment of memory accompanied by blockade of reductions in acetylcholine release in rats, 118, 255
- Gallamine**, Discrimination between subtypes of apamin-sensitive Ca²⁺-activated K⁺ channels by gallamine and a novel *bis*-quaternary quinolinium cyclophane, UCL 1530, 117, 35
- Ganglia, coeliac**, Tachykininergic synaptic transmission in the coeliac ganglion of the guinea-pig, 118, 2059
- Ganglia, dorsal root**, Allosteric interactions between cyclothiazide and AMPA/kainate receptor antagonists, 117, 1663
- Characterization of a P_{2X}-purinoceptor in cultured neurones of the rat dorsal root ganglia, 118, 951
- Ganglia, pelvic**, Effect of opiates on transmitter release from visualized hypogastric boutons innervating the rat pelvic ganglia, 118, 1913
- Ganglia, superior cervical**, Multiple 5-HT receptors in the guinea-pig superior cervical ganglion, 117, 21
- Ganglia, sympathetic**, The nitric oxide-cyclic GMP pathway and synaptic plasticity in the rat superior cervical ganglion, 119, 527
- Ganglia, trigeminal**, Neuropeptide Y Y₂ receptor-mediated attenuation of neurogenic plasma extravasation acting through pertussis toxin-sensitive mechanisms, 119, 229
- Gastric acid**, Somatostatin sst₂ receptor-mediated inhibition of parietal cell function in rat isolated gastric mucosa, 119, 905
- Gastric acid secretion**, Inhibition of vagally mediated gastric acid secretion by activation of central prostanoid EP₃ receptors in urethane-anaesthetized rats, 117, 653
- Pharmacological analysis of the CCK_B/gastrin receptors mediating pentagastrin-stimulated gastric acid secretion in the isolated stomach of the immature rat, 119, 1401
 - Reversal by NPY, PYY and 3-36 molecular forms of NPY and PYY of intracisternal CRF-induced inhibition of gastric acid secretion in rats, 118, 237
- Gastric fundus**, Nitric oxide synthase activity and non-adrenergic non-cholinergic relaxation in the rat gastric fundus, 117, 717
- Gastric fundus, rat**, Development of cholinergic and inhibitory non-adrenergic non-cholinergic responses in the rat gastric fundus, 118, 1987
- Effect of Cu²⁺ on relaxations to the nitrgenic neurotransmitter, NO and S-nitrosothiols in the rat gastric fundus, 119, 990
 - Effect of thiol modulators and Cu/Zn superoxide dismutase inhibition on nitrgenic relaxations, 119, 1022
 - Influence of superoxide dismutase inhibition on the discrimination between NO and the nitrgenic neurotransmitter in the rat gastric fundus, 118, 2171
- Gastric glands**, Analysis of variation in L-365,260 competition curves in radioligand binding assays, 118, 1717
- Gastric mucosa**, Tachykinin inhibition of acid-induced gastric hyperaemia in the rat, 119, 1525
- Gastric mucosal lesions**, Tachykinin inhibition of acid-induced gastric hyperaemia in the rat, 119, 1525
- Gastric muscle, guinea-pig**, Analysis of the variation in the action of L-365,260 at CCK_B/gastrin receptors in rat, guinea-pig and mouse isolated gastric tissue assays, 118, 1779
- Gastrin**, Analysis of variation in L-365,260 competition curves in radioligand binding assays, 118, 1717
- Gastrin receptors**, Analysis of the variation in the action of L-365,260 at CCK_B/gastrin receptors in rat, guinea-pig and mouse isolated gastric tissue assays, 118, 1779
- Gastrointestinal motility**, Functional evidence of atypical β_3 -adrenoceptors in the human colon using the β_3 -selective adrenoceptor antagonist, SR 59230A, 117, 1374
- Gastrointestinal transit**, The inhibitory effects of α_2 -adrenoceptor agonists on gastrointestinal transit during croton oil-induced intestinal inflammation, 119, 1649
- Gastroprotection**, Comparison of the profiles of agonists as stimulants of the β_3 -adrenoceptor *in vitro* with their gastroprotective effects in the conscious rat, 117, 580
- GEA 3162**, Effect of intracerebroventricular and intravenous administration of nitric oxide donors on blood pressure and heart rate in anaesthetized rats, 119, 1422
- GEA 3175**, Synergistic inhibition of thrombin-induced platelet aggregation by the novel nitric oxide-donor GEA 3175 and adenosine, 118, 2140
- Gelatinase**, Augmentation by eosinophils of gelatinase activity in the airway mucosa: comparative effects as a putative mediator of epithelial injury, 117, 667
- Gemfibrozil**, Decreased susceptibility to copper-induced oxidation of rat-lipoproteins after fibrate treatment: influence of fatty acid composition,

- 117, 1155
- Gene expression**, Effect of amlodipine on renin secretion and renin gene expression in rats, 119, 744
- Effects of an AT₁ receptor antagonist, an ACE inhibitor and a calcium channel antagonist on cardiac gene expressions in hypertensive rats, 118, 549
 - Inhibition by antioxidants of nitric oxide synthase expression in murine macrophages: role of nuclear factor kB and interferon regulatory factor 1, 118, 2178
 - Tissue distribution of adenosine receptor mRNAs in the rat, 118, 1461
- General anaesthesia**, Biphasic effect of pentobarbitone on chick myotube nicotinic receptor channel kinetics, 118, 1385
- Effects of inhalational general anaesthetics on native glycine receptors in rat medullary neurones and recombinant glycine receptors in *Xenopus* oocytes, 118, 493
 - Effects of intravenous anaesthetic agents on fast inhibitory oscillations in the rat hippocampus *in vitro*, 118, 1977
- Genistein**, Activation of cardiac chloride conductance by the tyrosine kinase inhibitor, genistein, 119, 335
- Tumour necrosis factor- α -induced ICAM-1 expression in human vascular endothelial and lung epithelial cells: modulation by tyrosine kinase inhibitors, 119, 1149
- GF 109203X**, Differential effects of protein kinase C inhibitors on chemokine production in human synovial fibroblasts, 117, 1245
- The effect of the PCK inhibitor GF109203X on the release of Ca²⁺ from internal stores and Ca²⁺ entry in DDT₁ MF-2 cells, 119, 730
- GLAST transporter**, Pharmacological characterization of desensitization in a human mGlu α -expressing non-neuronal cell line co-transfected with a glutamate transporter, 118, 1558
- Glaucine**, A possible structural determinant of selectivity of boldine and derivatives for the α_1 -adrenoceptor subtype, 119, 1563
- Glibenclamide**, Activation by levcromakalim and metabolic inhibition of glibenclamide-sensitive K channels in smooth muscle cells of pig proximal urethra, 118, 635
- Comparison of the effects of nicorandil, pinacidil and nitroglycerin on hypoxic and hypercapnic pulmonary vasoconstriction in the isolated perfused lung of rat, 117, 633
 - Effects of glibenclamide on the regional haemodynamic actions of α -trinositol and its influence on responses to vasodilators in conscious rats, 117, 507
 - Effects of some K⁺-channel inhibitors on the electrical behaviour of guinea-pig isolated trachealis and on its responses to spasmogenic drugs, 117, 1653
 - Investigation of the effects of 5-nitro-2-(3-phenylpropylamino)-benzoic acid (NPPB) on membrane currents in rat portal vein, 117, 175
 - The lack of a role for potassium channel opening in the action of relaxin in the rat isolated uterus; a comparison with levcromakalim and salbutamol, 117, 1435
 - Pharmacological characterization of the inwardly-rectifying current in the smooth muscle cells of the rat bladder, 119, 1509
 - Role of intracellular Ca²⁺ in the K channel opener action of CGRP in the guinea-pig ureter, 118, 1493
 - Two types of ATP-sensitive potassium channels in rat portal vein smooth muscle cells, 118, 105
 - Vasoconstrictor responsiveness of the rat mesenteric arterial bed in cirrhosis, 118, 435
- Glomerular filtration**, Effect of intrarenally infused parathyroid hormone-related protein on renal blood flow and glomerular filtration rate in the anaesthetized rat, 118, 1995
- Effects of a selective adenosine A₁ receptor antagonist on the development of cyclosporin nephrotoxicity, 117, 879
 - Glomerular filtration and saturable absorption of iohexol in the rat isolated perfused kidney, 119, 57
- Glucagon**, Comparative effects of PACAP and VIP on pancreatic endocrine secretions and vascular resistance in rat, 117, 764
- Effect of (8-32) salmon calcitonin, an amylin antagonist, on insulin, glucagon and somatostatin release: study in the perfused pancreas of the rat, 117, 347
 - Effect of a non-sulphonylurea hypoglycaemic agent, KAD-1229 on hormone secretion in the isolated perfused pancreas of the rat, 117, 1702
 - Interaction of the islet nitric oxide system with L-arginine-induced secretion of insulin and glucagon in mice, 119, 758
- Glucagon-like peptide**, Desensitization of glucagon-like peptide 1 receptors in insulin-secreting β TC3 cells: role of PKA-independent mechanisms, 118, 769
- Glucocorticoids**, Acute inflammatory response in the mouse: exacerbation by immunoneutralization of lipocortin 1, 117, 1145
- Effect of the glucocorticosteroid budesonide and a novel phosphodiesterase type 4 inhibitor CDP840 on antigen-induced airway responses in neonatally immunised rabbits, 118, 1201
 - Effects of dexamethasone and cyclosporin A on the accumulation of eosinophils in acute cutaneous inflammation in the guinea-pig, 118, 317
 - Stress and the neuroendocrine-immune axis: the pivotal role of glucocorticoids and lipocortin 1, 118, 1
- Gluconeogenesis**, Modulation of the hepatic α_1 -adrenoceptor responsiveness by colchicine: dissociation of free cytosolic Ca²⁺-dependent and independent responses, 118, 1797
- Glucose metabolism**, Different pharmacological characteristics in L₆ and C₂C₁₂ muscle cells and intact rat skeletal muscle for amylin, CGRP and calcitonin, 117, 847
- Inhibition of glycolysis and enhanced mechanical function of working rat hearts as a result of adenosine A₁ receptor stimulation during reperfusion following ischaemia, 118, 355
- Glucose transporter**, Regulation by metformin of the hexose transport system in vascular endothelial and smooth muscle cells, 117, 1318
- Glucose utilization**, Biphasic effects of the β -adrenoceptor agonist, BRL 37344, on glucose utilization in rat isolated skeletal muscle, 117, 1355
- Glutamate**, Depression of glutamatergic transmission by nociceptin in the neonatal rat hemisectioned spinal cord preparation *in vitro*, 119, 189
- The effects of the muscle relaxant, CS-722, on synaptic activity of cultured neurones, 119, 126
 - Evidence for the participation of glutamate in reflexes involving afferent, substance P-containing nerve fibres in the rat, 117, 71
 - GABA, glutamate and substance P-like immunoreactivity release: effects of novel GABA_B antagonists, 118, 1153
 - Inhibition by lifarizine of intracellular Ca²⁺ rises and glutamate exocytosis in depolarized rat cerebrocortical synaptosomes and cultured neurones, 118, 162
 - Inhibition by memantine of the development of persistent oral dyskinesias induced by long-term haloperidol treatment of rats, 119, 751
 - Presynaptic modulation by L-glutamate and GABA of sympathetic co-transmission in rat isolated vas deferens, 118, 755
 - Regionally different N-methyl-D-aspartate receptors distinguished by ligand binding and quantitative autoradiography of [³H]-CGP 39653 in rat brain, 119, 819
- Glutamate decarboxylase**, Presynaptic modulation by L-glutamate and GABA of sympathetic co-transmission in rat isolated vas deferens, 118, 755
- Glutamate receptors**, Actions of long chain alcohols on GABA_A and glutamate receptors: relation to *in vivo* effects, 118, 378
- Allosteric interactions between cyclothiazide and AMPA/kainate receptor antagonists, 117, 1663
 - Desensitization of AMPA receptors and AMPA-NMDA receptor interaction: an *in vivo* cyclic GMP microdialysis study in rat cerebellum, 117, 1133
 - Investigation of the involvement of the N-methyl-D-aspartate receptor macrocomplex in the development of spermine-induced CNS excitation *in vivo*, 117, 1803
- Glutamate receptors, metabotropic**, Coupling of metabotropic glutamate receptors to phosphoinositide mobilisation and inhibition of cyclic AMP generation in the guinea-pig cerebellum, 118, 311
- Differences in agonist and antagonist activities for two indices of metabotropic glutamate receptor-stimulated phosphoinositide turnover, 117, 1735
 - NMDA receptor dependence of MGlu-mediated depression of synaptic transmission in the CA1 region of the rat hippocampus, 119, 1239
 - Pharmacological antagonism of the actions of group II and III mGluR agonists in the lateral perforant path of rat hippocampal slices, 117, 1457
 - Pharmacological characterization of metabotropic glutamate receptors coupled to phospholipase D in the rat hippocampus, 118, 1035
 - Structure-activity relationships of new agonists and antagonists of

- different metabotropic glutamate receptor subtypes, 117, 1493
- Glutamate receptor agonists**, Pharmacological characterization of metabotropic glutamate receptors coupled to phospholipase D in the rat hippocampus, 118, 1035
- Glutamate release**, Nociceptin induced inhibition of K⁺ evoked glutamate release from rat cerebrocortical slices, 119, 1081
- Glutamate uptake**, Pharmacological characterization of desensitization in a human mGlu1 α -expressing non-neuronal cell line co-transfected with a glutamate transporter, 118, 1558
- γ -Glutamyl transpeptidase**, Role of a copper (I)-dependent enzyme in the anti-platelet action of S-nitrosoglutathione, 119, 533
- Glutathione**, Antioxidant protection of NO-induced relaxations of the mouse anococcygeus against inhibition by superoxide anions, hydroquinone and carboxy-PTIO, 119, 432
- Glycerol**, *In situ* assessment of the role of the β_1 -, β_2 - and β_3 -adrenoceptors in the control of lipolysis and nutritive blood flow in human subcutaneous adipose tissue, 117, 907
- Glyceryl trinitrate**, Baroreflex resetting but no vascular tolerance in response to transdermal glyceryl trinitrate in conscious rabbits, 118, 93
- Glycine**, Effect of 1-aminocyclopropanecarboxylic acid on N-methyl-D-aspartate-stimulated [³H]-noradrenaline release in rat hippocampal synaptosomes, 118, 901
- Effects of a partial agonist and a full antagonist acting at the glycine site of the NMDA receptor on inflammation-induced mechanical hyperalgesia in rats, 117, 1487
 - Inhibition of cortical spreading depression by L-701,324, a novel antagonist at the glycine site of the N-methyl-D-aspartate receptor complex, 117, 931
 - Potentiation of chloride responses to glycine by three 5-HT₃ antagonists in rat spinal neurones, 118, 2115
 - Regionally different N-methyl-D-aspartate receptors distinguished by ligand binding and quantitative autoradiography of [³H]-CGP 39653 in rat brain, 119, 819
- Glycine receptors**, Effects of inhalational general anaesthetics on native glycine receptors in rat medullary neurones and recombinant glycine receptors in *Xenopus* oocytes, 118, 493
- Enhancement of homomeric glycine receptor function by long-chain alcohols and anaesthetics, 119, 1331
- Glycogen**, Biphasic effects of the β -adrenoceptor agonist, BRL 37344, on glucose utilization in rat isolated skeletal muscle, 117, 1355
- The mechanism of cardioprotection by S-nitrosoglutathione monoethyl ester in rat isolated heart during cardioplegic ischaemic arrest, 119, 511
- Glycogenolysis**, Modulation of the hepatic α_1 -adrenoceptor responsiveness by colchicine: dissociation of free cytosolic Ca²⁺-dependent and independent responses, 118, 1797
- Glycolysis**, Inhibition of glycolysis and enhanced mechanical function of working rat hearts as a result of adenosine A₁ receptor stimulation during reperfusion following ischaemia, 118, 355
- P-Glycoprotein**, Mediation of cimetidine secretion by P-glycoprotein and a novel H⁺-coupled mechanism in cultured renal epithelial monolayers of LLC-PK₁ cells, 117, 1139
- Relevance of p-glycoprotein for the enteral absorption of cyclosporin A: *in vitro-in vivo* correlation, 118, 1841
 - Substantial excretion of digoxin via the intestinal mucosa and prevention of long-term digoxin accumulation in the brain by the mdrla P-glycoprotein, 119, 1038
- Goldblatt hypertensive rats**, The cardiovascular and renal functional responses to the 5-HT_{1A} receptor agonist flesinoxan in two rat models of hypertension, 118, 1891
- Gossypol**, Blockade of swelling-induced chloride channels by phenol derivatives, 118, 41
- GR 71251**, Tachykinergic synaptic transmission in the coeliac ganglion of the guinea-pig, 118, 2059
- GR 73632**, Inhibition of Ca²⁺-sensitive K⁺ currents in NG 108-15 cells by substance P and related tachykinins, 119, 315
- GR 113808**, Further investigation into the signal transduction mechanism of the 5-HT₄-like receptor in the circular smooth muscle of human colon, 118, 1058
- 5-HT₃ and 5-HT₄ receptor-mediated facilitation of the emptying phase of the peristaltic reflex in the marmoset isolated ileum, 117, 1679
 - Pharmacological characterization of the 5-hydroxytryptamine receptor mediating relaxation in the rat isolated ileum, 119, 303
- Stimulation of cyclic AMP formation in the circular smooth muscle of human colon by activation of 5-HT₄-like receptors, 117, 238
- GR 125487**, Neural 5-HT₄ receptors in the human isolated detrusor muscle: effects of indole, 118, 1965
- GR 127935**, Blockade of porcine carotid vascular responses to sumatriptan by GR127935, a selective 5-HT_{1D} receptor antagonist, 118, 85
- GR 138950**, Comparison of angiotensin II type 1 receptor blockade and angiotensin-converting enzyme inhibition in pregnant sheep during late gestation, 119, 393
- Further investigations into the mechanism of the antihypertensive activity of the angiotensin AT₁ receptor antagonist, GR138950, 118, 711
- [³H]-Granisetron**, Characterization of a human 5-hydroxytryptamine₃ receptor type A (h5-HT_{3R}-A₅) subunit stably expressed in HEK 293 cells, 118, 1237
- Granule cells**, Evidence for mediation of L-2-chloropropionic acid-induced delayed neuronal cell death by activation of a constitutive nitric oxide synthase, 119, 374
- Possible role of nitric oxide in the development of L-2-chloropropionic acid-induced cerebellar granule cell necrosis, 117, 1761
- Granule neurones, cerebellar**, Effects on K⁺ currents in rat cerebellar granule neurones of a membrane-permeable analogue of the calcium chelator BAPTA, 118, 1772
- Granulocyte-macrophage colony stimulating factor (GM-CSF)**, Cyclic AMP-elevating agents prolong or inhibit eosinophil survival depending on prior exposure to GM-CSF, 117, 79
- GT1-7 neuronal cells**, The histamine H₁ receptor in GT1-7 neuronal cells is regulated by calcium influx and KN-62, a putative inhibitor of calcium/calmodulin protein kinase II, 118, 1119
- GTP**, A novel GTP-dependent mechanism of ileal muscarinic metabotropic channel desensitization, 119, 997
- GTPase**, *In vitro* pharmacological profile of YM-43611, a novel D₂-like receptor antagonist with high affinity and selectivity for dopamine D₃ and D₄ receptors, 117, 1625
- Thromboxane A₂-mediated shape change: independent of Gq-phospho C-Ca²⁺ pathway in rabbit platelets, 117, 1095
- GTP γ S**, A novel GTP-dependent mechanism of ileal muscarinic metabotropic channel desensitization, 119, 997
- Characterization of a 5-HT_{1B} receptor on CHO cells: functional responses in the absence of radioligand binding, 117, 1119
- [³⁵S]-GTP γ S binding**, Pharmacological analysis of dopamine stimulation of [³⁵S]-GTP γ S binding via human D_{2short} and D_{2long} dopamine receptors expressed in recombinant cells, 118, 1544
- Guanethidine**, Effects of short- and long-term sympathectomy on vasoconstrictor responses of the rat mesenteric arterial bed, 119, 1347
- Guanidines**, Attenuation of endotoxin-induced multiple organ dysfunction by 1-amino-2-hydroxy-guanidine, a potent inhibitor of inducible nitric oxide synthase, 118, 261
- Guanosine 3':5'-cyclic monophosphate**, Increased activity of guanylate cyclase in the atherosclerotic rabbit aorta: role of non-endothelial nitric oxide synthases, 119, 1233
- Guanylyl cyclase**, Carbon monoxide-induced relaxation of the ductus arteriosus in the lamb: evidence against the prime role of guanylyl cyclase, 118, 1689
- A cyclic GMP-dependent housekeeping Cl⁻ channel in rabbit gastric parietal cells activated by a vasodilator ecbapide, 119, 1591
 - Cyclic GMP-independent effects of nitric oxide on guinea-pig uterine contractility, 119, 737
 - Downregulation of nitrovasodilator-induced cyclic GMP accumulation in cells exposed to endotoxin or interleukin-1 β , 118, 1359
 - Increased activity of guanylate cyclase in the atherosclerotic rabbit aorta: role of non-endothelial nitric oxide synthases, 119, 1233
 - *In vivo* microdialysis study of a specific inhibitor of soluble guanylyl cyclase on the glutamate receptor/nitric oxide/cyclic GMP pathway, 119, 590
 - Involvement of endogenous nitric oxide in the mechanism of bradykinin-induced peripheral hyperalgesia, 117, 407
 - Relaxation of guinea-pig trachea by sodium nitroprusside: cyclic GMP and nitric oxide not involved, 118, 466
- Guanylyl cyclase, soluble**, Inhibition of nitrgic relaxations by a selective

inhibitor of the soluble guanylate cyclase, 118, 137

- Mechanisms of tolerance to sodium nitroprusside in rat cultured aortic smooth muscle cells, 117, 147
 - The nitric oxide-cyclic GMP pathway and synaptic plasticity in the rat superior cervical ganglion, 119, 527
- GYKI**, Allosteric interactions between cyclothiazide and AMPA/kainate receptor antagonists, 117, 1663
- GYKI 52466**, Interactions of 2,3-benzodiazepines and cyclothiazide at AMPA receptors: patch clamp recordings in cultured neurones and area CA1 in hippocampal slices, 117, 1209
- GYKI 53405**, Interactions of 2,3-benzodiazepines and cyclothiazide at AMPA receptors: patch clamp recordings in cultured neurones and area CA1 in hippocampal slices, 117, 1209
- GYKI 53655**, Interactions of 2,3-benzodiazepines and cyclothiazide at AMPA receptors: patch clamp recordings in cultured neurones and area CA1 in hippocampal slices, 117, 1209

H

Haem oxygenase, Localization and activity of haem oxygenase and functional effects of carbon monoxide in the feline lower oesophageal sphincter, 118, 392

Haemodynamics, Cocaine-induced microvascular vasoconstriction but differential systemic haemodynamic responses in Yucatan versus Yorkshire varieties of swine, 117, 559

- Effects of dexamethasone and SB 209670 on the regional haemodynamic responses to lipopolysaccharide in conscious rats, 118, 141
- Effects of glibenclamide on the regional haemodynamic actions of α -trinositol and its influence on responses to vasodilators in conscious rats, 117, 507
- Effects of the non-peptide, non-selective endothelin antagonist, bosentan, on regional haemodynamic responses to N^G -monomethyl-L-arginine in conscious rats, 118, 352
- Endothelin-1 and the periaqueductal gray area of the rat: an autoradiographic and functional pharmacological study, 118, 21
- Haemodynamic and cardiac effects of kinin B₁ and B₂ receptor stimulation in conscious instrumented dogs, 117, 1565
- Influence of aminoguanidine and the endothelin antagonist, SB 209670, on the regional haemodynamic effects of endotoxaemia in conscious rats, 118, 1822
- Influence of levosimendan, pimobendan, and milrinone on the regional distribution of cardiac output in anaesthetized dogs, 119, 609
- Involvement of nitric oxide and eicosanoids in platelet-activating factor-induced haemodynamic and haematological effects in dogs, 118, 941
- Regional haemodynamic effects of antagonists of angiotensin II, endothelin and adrenoceptors in conscious, vasopressin-deficient, genetically hypertensive rats, 118, 325
- Temporal differences between the involvement of angiotensin II and endothelin in the cardiovascular responses to endotoxaemia in conscious rats, 119, 1619

Haemodynamics, renal, Modulation by nitric oxide and prostaglandin of the renal vascular response to angiotensin II (3–8), 117, 885

Haemorrhage, Effect of soluble P55 tumour-necrosis factor binding fusion protein on the local Schwartzman and Arthus reactions, 117, 471

Haemostasis, Evidence that endogenous nitric oxide modulates plasma fibrinogen levels in the rat, 117, 236

Haloperidol, The D₁ receptor-mediated effects of the ergoline derivative LEK-8829 in rats with unilateral 6-hydroxydopamine lesions, 119, 1187

- Differentiation of σ ligand-activated receptor subtypes that modulate NMDA-evoked [³H]-noradrenaline release in rat hippocampal slices, 119, 65

- Effects of sigma ligands on the cloned μ -, δ - and κ -opioid receptors co-expressed with G-protein-activated K⁺ (GIRK) channel in *Xenopus* oocytes, 119, 73

- Inhibition by memantine of the development of persistent oral dyskinesias induced by long-term haloperidol treatment of rats, 119, 751

- Prevention by (\pm)-8-hydroxy-2-(di-n-propylamino)tetralin of both catalepsy and the rises in rat striatal dopamine metabolism caused by haloperidol, 118, 421

Halothane, Antiarrhythmic action of rilmenidine on adrenaline-induced arrhythmia via central imidazoline receptors in halothane-anaesthetized

dogs, 117, 1744

Headache, GABA_A-receptor-mediated effects of progesterone, its ring-A-reduced metabolites and synthetic neuroactive steroids on neurogenic oedema in the rat meninges, 117, 99

Heart, Capsinolo: the first β -adrenoceptor blocker with an associated calcitonin gene-related peptide releasing activity in the heart, 119, 7

- Cardiac and gastric effects of histamine H₂ receptor antagonists: no evidence for a correlation between lipophilicity and receptor affinity, 118, 1813

- Cardiotoxicity of emetine dihydrochloride by calcium channel blockade in isolated preparations and ventricular myocytes of guinea-pig hearts, 117, 377

- Characterization of the binding of endothelin ET_B selective ligands in human and rat heart, 119, 631

- Characterization of the endothelin receptor selective agonist, BQ3020 and antagonists BQ123, FR139317, BQ788, 50235, Ro462005 and bosentan in the heart, 117, 455

- Delayed protection against ischaemia-induced ventricular arrhythmias and infarct size limitation by the prior administration of *Escherichia coli* endotoxin, 118, 2157

- Diadenosine tetraphosphate-induced inhibition of ATP-sensitive K⁺ channels in patches excised from ventricular myocytes, 117, 233

- Effect of Hoe 694, a novel Na⁺-H⁺ exchange inhibitor, on intracellular pH regulation in the guinea-pig ventricular myocyte, 118, 1905

- Effects of an AT₁ receptor antagonist, an ACE inhibitor and a calcium channel antagonist on cardiac gene expressions in hypertensive rats, 118, 549

- Inositol hexakisphosphate binding sites in rat heart and brain, 118, 1615

- Mechanism of 5-hydroxytryptamine-induced coronary vasodilatation assessed by direct detection of nitric oxide production in guinea-pig isolated heart, 119, 721

- The mechanism of cardioprotection by S-nitrosoglutathione monoethyl ester in rat isolated heart during cardioplegic ischaemic arrest, 119, 511

- Myocardial protection after monophosphoryl lipid A: studies of delayed anti-ischaemic properties in rabbit heart, 117, 1685

- Negative chronotropic and inotropic effects exerted by diadenosine hexaphosphate (AP₆A) via A₁-adenosine receptors, 119, 835

- A novel antagonist, No. 7943, of the Na⁺/Ca²⁺ exchange current in guinea-pig cardiac ventricular cells, 119, 555

- The role of ketoconazole in the QTc interval prolonging effects of H₁-antihistamines in a guinea-pig model of arrhythmogenicity, 119, 187

Heart, guinea-pig, The activation of P₁- and P₂-purinoceptors in the guinea-pig left atrium by diadenosine polyphosphates, 118, 1294

- Negative chronotropic and inotropic effects exerted by diadenosine hexaphosphate (AP₆A) via A₁-adenosine receptors, 119, 835

Heart, human, Differential presynaptic modulation of noradrenaline release in human atrial tissue in normoxia and anoxia, 118, 1855

- Negative chronotropic and inotropic effects exerted by diadenosine hexaphosphate (AP₆A) via A₁-adenosine receptors, 119, 835

Heart, isolated perfused, Development of the model of rat isolated perfused heart for the evaluation of anthracycline cardiotoxicity and its circumvention, 117, 1593

Heart, perfused, Inhibition of nitric oxide synthesis by N^G -nitro-L-arginine methyl ester (L-NAME): requirement for bioactivation to the free acid, N^G -nitro-L-arginine, 118, 1433

Heart, rat, The effect of ischaemia on endothelium-dependent vasodilatation and adrenoceptor-mediated vasoconstriction in rat isolated hearts, 117, 1047

- Effects of calcium antagonists on endothelin-1-induced myocardial ischaemia and oedema in the rat, 118, 893

- Rat striatal muscarinic receptors coupled to the inhibition of adenylyl cyclase activity: potent block by the selective m₄ ligand muscarinic toxin 3 (MT3), 118, 283

Heart failure, Effects of cantharidin on force of contraction and phosphatase activity in nonfailing and failing human hearts, 119, 545

- Modulation by atrial natriuretic factor of receptor-mediated cyclic AMP-dependent responses in canine pulmonary artery during heart failure, 118, 1886

- Renal effects of concurrent E-24.11 and ACE inhibition in the aorto-venocaval fistula rat, 119, 943

Heart rate, Effect of intracerebroventricular and intravenous administra-