GR 127935, Evidence that 5-HT_{1D} receptors mediate inhibition of sympathetic ganglionic transmission in anaesthetized cats, 116, 1715

- GR 203040, The broad-spectrum anti-emetic activity of the novel nonpeptide tachykinin NK₁ receptor antagonist GR203040, 116, 3158
- The pharmacology of GR203040, a novel, potent and selective nonpeptide tachykinin NK₁ receptor antagonist, 116, 3149
- [³H]-Granisetron, Evidence that the atypical 5-HT₃ receptor ligand, [³H]-BRL46470, labels additional 5-HT₃ binding sites compared to [³H]-granisetron, 116, 1781
- Granule cells, cerebellar, Characterization of metabotropic glutamate receptor-stimulated phosphoinositide hydrolysis in rat cultured cerebellar granule cells, 116, 2824
- Grooming, Comparative behavioural profile of centrally administered tachykinin NK₁, NK₂ and NK₃ receptor agonists in the guinea-pig, 116, 2496
- Pharmacological characterization of behavioural responses to SK&F 83959 in relation to 'D₁-like' dopamine receptors not linked to adenylyl cvclase. 116. 2120
- Growth factors, Comparison between novel steroid-like and conventional nonsteroidal antioestrogens in inhibiting oestradiol- and IGF-I-induced proliferation of human breast cancer-derived cells, 116, 2391
- The effect of glucocorticoids on proliferation of human cultured airway smooth muscle, 116, 3219
- GT1-7 cells, Potentiation, activation and blockade of GABA_A receptors of clonal murine hypothalamic GT1-7 neurones by propofol, 115, 953
- GTPyS, Effects of GTPyS on muscarinic receptor-stimulated inositol phospholipid hydrolysis in permeabilized smooth muscle from the small intestine, 115, 147
- Guanabenz, Renal effects of infusion of rilmenidine and guanabenz in conscious dogs: contribution of peripheral and central nervous system α₂-adrenoceptors, 116, 1557
- [14C]-Guanidinium influx, 5-HT₃ receptor antagonism by anpirtoline, a mixed 5-HT₁ receptor agonist/5-HT₃ receptor antagonist, 114, 269
- Guanine nucleotides, Differential effect of sodium ions and guanine nucleotides on the binding of thioperamide and clobenpropit to histamine H₃-receptors in rat cerebral cortical membranes, 114, 357
- Guanine nucleotide shift, [3H]-L-2-amino-4-phosphonobutyrate labels a metabotropic glutamate receptor, mGluR4a, 116, 3279
- Guanylyl cyclase, Comparative effects of activation of soluble and particulate guanylyl cyclase on cyclic GMP elevation and relaxation of bovine tracheal smooth muscle, 115, 723
- A new class of furoxan derivatives as NO donors: mechanism of action and biological activity, 114, 816
- Photosensitization of oesophageal smooth muscle by 3-NO₂-1,4-dihydropyridines: evidence for two cyclic GMP-dependent effector pathways, 116, 3293
- Release by ultraviolet B (u.v.B) radiation of nitric oxide (NO) from human keratinocytes: a potential role for nitric oxide in erythema production, 114, 1257
- Vasorelaxant effect of isoliquiritigenin, a novel soluble guanylate cyclase activator, in rat aorta, 114, 1587
- YC-1 inhibited human platelet aggregation through NO-independent activation of soluble guanylate cyclase, 116, 1973
- Guanylyl cyclase, soluble, The inhibitory effect of 3-amino-1,2,4-triazole on relaxation induced by hydroxylamine and sodium azide but not hydrogen peroxide or glyceryl trinitrate in rat aorta, 116, 3302
- GYKI 52466, Participation of NMDA and non-NMDA excitatory amino acid receptors in the mediation of spinal reflex potentials in rats: an *in vivo* study, 114, 1193
- GYKI 53655, Inhibition by cyclothiazide of neuronal nicotinic responses in bovine chromaffin cells, 114, 648

F

- H-89, Potentiation of P1075-induced K⁺ channel opening by stimulation of adenylate cyclase in rat isolated aorta. 115, 515
- Haemodynamics, Cardiac and regional haemodynamics, inducible nitric oxide synthase (NOS) activity, and the effects of NOS inhibitors in conscious, endotoxaemic rats, 116, 2005
- Cardiovascular actions of the furoxan CAS 1609, a novel nitric oxide donor, 114, 1605

- Cardiovascular effects of the calcium sensitizer, levosimendan, in heart failure induced by rapid pacing in the presence of aortic constriction, 114,656
- The effect of nitric oxide donors on haemodynamics and blood flow distribution in the porcine carotid circulation, 114, 1303
- Enhancement of the haemodynamic effects of N^G-monomethyl-Larginine by transforming growth factor-β₁ in conscious, normal, but not endotoxaemic, rats, 116, 3042
- Enhancement of the hypotensive and vasodilator effects of endotoxaemia in conscious rats by the endothelin antagonist, SB 209670, 116, 1718
- Haemodynamic effects of losartan and the endothelin antagonist, SB 209670, in conscious, transgenic ((mRen-2)27), hypertensive rats, 116, 2237
- In vivo pharmacological characterization of the non-peptide endothelin receptor antagonist SB 209670, 114, 405
- Lack of effect of TNF antibodies on the cardiovascular sequelae of lipopolysaccharide infusion in conscious rats, 116, 2487
- Pharmacokinetic modelling of the haemodynamic effects of the A_{2a} adenosine receptor agonist CGS 21680C in conscious normotensive rats, 114, 761
- Regional haemodynamic effects of human and rat adrenomedullin in conscious rats. 114. 584
- Haemodynamics, cardiac, Acute and chronic cardiac and regional haemodynamic effects of the novel bradycardic agent, S16257, in conscious rats. 115, 579
- Haemodynamics, regional, Acute and chronic cardiac and regional haemodynamic effects of the novel bradycardic agent, S16257, in conscious rats, 115, 579
- Attenuation of adrenomedullin-induced renal vasodilatation by N^G-nitro L-arginine but not glibenclamide, 115, 917
- Regional haemodynamic effects of μ-, δ-, and k-opioid agonists microinjected into the hypothalamic paraventricular nuclei of conscious, unrestrained rats. 115, 613
- The in vivo pharmacological profile of a 5-HT₁ receptor agonist, CP-122,288, a selective inhibitor of neurogenic inflammation, 116, 2385
- Haemoglobin, A new class of furoxan derivatives as NO donors: mechanism of action and biological activity, 114, 816
- Haemopoietic cells, Interaction between methotrexate and indomethacin on a human normal haemopoietic cell line, 114, 715
- Haemorrhage, Restoration of blood pressure by choline treatment in rats made hypotensive by haemorrhage, 116, 1911
- Haemostasis, Haemostatic mechanism in the endometrium: role of cyclooxygenase products and coagulation factors, 114, 975
- Haloperidol, Characterization of inhibition by haloperidol and chlorpromazine of a voltage-activated K⁺ current in rat phaeochromocytoma cells. 116, 2603
- Halothane, Inhibition by halothane of potassium-stimulated acetylcholine release from rat cortical slices, 116, 2310
- Headache, Attenuation by valproate of c-fos immunoreactivity in trigeminal nucleus caudalis induced by intracisternal capsaicin, 116, 3199
- The effect of nitric oxide donors on haemodynamics and blood flow distribution in the porcine carotid circulation. 114, 1303
- Suppression by the sumatriptan analogue, CP-122,288 of c-fos immunoreactivity in trigeminal nucleus caudalis induced by intracisternal capsaicin, 114, 987
- Heart, Attenuation by creatine of myocardial metabolic stress in Brattleboro rats caused by chronic inhibition of nitric oxide synthase,
- Effects of 3-hydroxy-3-methylglutaryl coenzyme A reductase inhibitors on mitochondrial respiration in ischaemic dog hearts, 116, 1894
- An endogenous protectant effect of cardiac cyclic GMP against reperfusion-induced ventricular fibrillation in the rat heart, 116, 2923
- The ineffectiveness of the NO-cyclic GMP signalling pathway in the atrial myocardium, 116, 3061
- Interaction between gallopamil and cardiac ryanodine receptors, 114, 85
- The involvement of ATP-sensitive potassium channels and adenosine in the regulation of coronary flow in the isolated perfused rat heart, 116, 3068

- Local cardiac effects of substance P: roles of acetylcholine and noradrenaline. 114, 283
- Tonic and use-dependent block of sodium currents in isolated cardiac myocytes by bisaramil, 114, 377
- Heart, guinea-pig, Polydeoxyribonucleotides and nitric oxide release from guinea-pig hearts during ischaemia and reperfusion, 115, 629
- Time-dependent fading of the activation of K_{ATP} channels, induced by aprikalim and nucleotides, in excised membrane patches from cardiac myocytes, 115, 117
- Heart, isolated, Effects of *Bordetella pertussis* toxin pretreatment on the antiarrhythmic action of ischaemic preconditioning in anaesthetized rats, 114, 755
- Electrocardiographic interactions between pinacidil, a potassium channel opener and class I antiarrhythmic agents in guinea-pig isolated perfused heart, 114, 1745
- Relaxin-induced increased coronary flow through stimulation of nitric oxide production, 116, 1589
- Heart, perfused, Cytochrome P450-dependent effects of bradykinin in the rat heart, 114, 99
- Similar coronary vascular effects in the rat perfused heart of plateletactivating factor structural analogues with agonist and antagonist properties. 116, 2359
- Heart, rat, Effect of enalaprilat on bradykinin and des-Arg⁹-bradykinin release following reperfusion of the ischaemic rat heart, 115, 476
- Effects of the ET_A/ET_B receptor antagonist, bosentan on endothelin-linduced myocardial ischaemia and oedema in the rat, 116, 1745
- Interaction of the antiarrhythmic agents SR 33589 and amiodarone with the β-adrenoceptor and adenylate cyclase in rat heart, 116, 1949
- Investigation of the subtype of α_2 -adrenoceptor mediating prejunctional inhibition of cardioacceleration in the pithed rat heart, 115, 316
- Nitroglycerin-induced direct protection of the ischaemic myocardium in isolated working hearts of rats with vascular tolerance to nitroglycerin, 115, 1129
- Pharmacological characterization of α₁-adrenoceptor subtypes in rat heart: a binding study, 114, 1026
- Heart contractility, Endogenous nitric oxide signalling system and the cardiac muscarinic acetylcholine receptor-inotropic response, 115, 1525
- Heart failure, Cardiovascular actions of the furoxan CAS 1609, a novel nitric oxide donor, 114, 1605
- Cardiovascular effects of the calcium sensitizer, levosimendan, in heart failure induced by rapid pacing in the presence of aortic constriction, 114, 656
- Heart rate, Effects of the tachykinin NK₁ receptor antagonist, RP 67580, on central cardiovascular and behavioural effects of substance P, neurokinin A and neurokinin B, 114, 1310
- Modelling of the pharmacodynamic interaction of an A₁ adenosine receptor agonist and antagonist in vivo: N⁶-cyclopentyladenosine and 8cyclopentyltheophylline, 115, 1253
- Regional haemodynamic effects of μ-, δ-, and κ-opioid agonists microinjected into the hypothalamic paraventricular nuclei of conscious, unrestrained rats, 115, 613
- Heart-lung preparation, Mechanisms of pulmonary vasoconstriction and bronchoconstriction produced by PAF in the guinea-pig: role of platelets and cyclo-oxygenase metabolites, 114, 203
- Helospectin, Distribution and effects of pituitary adenylate cyclase activating peptide in cat and human lower oesophageal sphincter, 116, 2873
- Pituitary adenylate cyclase-activating polypeptide, helospectin, and vasoactive intestinal polypeptide in human corpus cavernosum, 116, 2258
- Heparin, Antithrombotic effect of a novel recombinant hirudin analogue, CX-397, in a rat arterial thrombosis model, 116, 3056
- Caffeine-evoked, calcium sensitive membrane currents in rabbit aortic endothelial cells, 115, 133
- Heparin-insensitive calcium release from intracellular stores triggered by the recombinant human parathyroid hormone receptor, 114, 1613
- Inhibition of serum-induced proliferation of bovine tracheal smooth muscle cells in culture by heparin and related glycosaminoglycans, 114,
- Hepatocytes, Effect of crilvastatin, a new cholesterol lowering agent, on unesterified LDL-cholesterol metabolism into bile salts by rat isolated

hepatocytes, 114, 624

- Hepatocytes, rat, Actions of ADP, but not ATP, on cytosolic free Ca²⁺ in single rat hepatocytes mimicked by 2-methylthioATP, 116, 1979
- HETE, On the inhibition of prostanoid formation by SK&F 96365, a blocker of receptor-operated calcium entry, 114, 598
- Hexahydrobenzyl-fourdapine, Selective blockade of M₂ and M₃ muscarinic receptors by hexahydrobenzyl-fourdapine and a comparison with zamifenacin, 116, 2897
- Hexamethonium, Effect of methylguanidine on rat blood pressure: role of endothelial nitric oxide synthase, 115, 510
- Hippocampus, Action of adenosine receptor antagonists on hypoxiainduced effects in the rat hippocampus in vitro, 116, 2113
- Blockade by sigma site ligands of high voltage-activated Ca²⁺ channels in rat and mouse cultured hippocampal pyramidal neurones, 116, 2801
- Blockade by sigma site ligands of N-methyl-D-aspartate-evoked responses in rat and mouse cultured hippocampal pyramidal neurones, 116, 2791
- Effect of P₂-purinoceptor antagonists on glutamatergic transmission in the rat hippocampus, 115, 1276
- Electrophysiological actions of phenytoin on N-methyl-D-aspartate receptor-mediated responses in rat hippocampus in vitro, 115, 67
- Induction of a novel form of hippocampal long-term depression by muscimol: involvement of GABA_A but not glutamate receptors, 115, 527
- Inhibition by propofol (2,6-di-isopropylphenol) of the N-methyl-D-aspartate subtype of glutamate receptor in cultured hippocampal neurones, 116, 1761
- Pharmacology of postsynaptic metabotropic glutamate receptors in rat hippocampal CA1 pyramidal neurones, 116, 1859
- Prevention by the cannabinoid antagonist, SR141716A, of cannabinoidmediated blockade of long-term potentiation in the rat hippocampal slice, 115, 869
- The protective action of chlormethiazole against ischaemia-induced neurodegeneration in gerbils when infused at doses having little sedative or anticonvulsant activity, 114, 1625
- Protein kinase C in rat brain cortex and hippocampus: effect of repeated administration of fluoxetine and desipramine, 115, 595
- Reduction of spike frequency adaptation and blockade of M-current in rat CA1 pyramidal neurones by linopirdine (DuP 996), a neurotransmitter release enhancer, 115, 1163
- Subcellular localization and molecular pharmacology of distinct populations of [³H]-AMPA binding sites in rat hippocampus, 115, 295
- Hippocampus, rabbit, Effects of 5-HT receptor agonists on depolarization-induced [³H]-noradrenaline release in rabbit hippocampus and human neocortex, 116, 1769
- Hippocampus, rat, Functional coupling between A₁ adenosine receptors and G-proteins in rat hippocampal membranes assessed by high-affinity GTPase activity, 116, 2691
- Histamine, Application of a model to explore interspecies differences in acetylcholine M-receptor-stimulated gastric acid secretion, 115, 961
- Contribution of a cholinergic reflex mechanism to allergen-induced bronchial hyperreactivity in permanently instrumented, unrestrained guinea-pigs, 114, 414
- Inhibition of bronchoconstriction by pituitary adenylate cyclase activating polypeptide (PACAP 1-27) in guinea-pigs in vivo, 115, 913
- Inhibition of carrageenin-induced rat paw oedema by crotapotin, a polypeptide complexed with phospholipase A₂, 114, 578
- Microvascular mechanisms of histamine-induced potentiation of leukocyte adhesion evoked by chemoattractants, 116, 3175
- The promotion of patent airways and inhibition of antigen-induced bronchial obstruction by endogenous nitric oxide, 116, 2957
- Reduction by N^G-nitro-L-arginine methyl ester (L-NAME) of antigeninduced nasal airway plasma extravasation in human subjects in vivo, 116, 1720
- Regulation of histamine- and UTP-induced increases in Ins(1,4,5)P₃, Ins (1,3,4,5)P₄ and Ca²⁺ by cyclic AMP in DDT₁ MF-2 cells, 114, 383
- A role for mast cells in adenosine A₃ receptor-mediated hypotension in the rat, 115, 945
- Histamine H₁ receptors, Adenosine A₁ receptor-mediated changes in basal and histamine-stimulated levels of intracellular calcium in primary rat astrocytes, 115, 801

 Characteristics of the binding of [³H]-mepyramine to intact human U373 MG astrocytoma cells: evidence for histamine-induced H₁-receptor internalisation, 116, 2715

- Histamine H₁ receptor antagonists, Histamine H₁ receptor occupancy in human brains after single oral doses of histamine H₁ antagonists measured by positron emission tomography, 116, 1649
- Mechanism of block of a human cardiac potassium channel by terfenadine racemate and enantiomers, 115, 267
- Histamine H₂ receptor antagonists, JB-9322, a new selective histamine H₂-receptor antagonist with potent gastric mucosal protective properties, 115, 57
- Histamine H₃ receptors, Characterization of histamine H₃ receptors regulating acetylcholine release in rat entorhinal cortex, 114, 1518
- Differential effect of sodium ions and guanine nucleotides on the binding of thioperamide and clobenpropit to histamine H₃-receptors in rat cerebral cortical membranes, 114, 357
- Evaluation of the receptor selectivity of the H₃ receptor antagonists, iodophenpropit and thioperamide: an interaction with the 5-HT₃ receptor revealed, 116, 2315
- Interaction of clozapine with the histamine H₃ receptor in rat brain, 114, 1523
- R-α-Methylhistamine-induced inhibition of gastric acid secretion in pylorus-ligated rats via central histamine H₃ receptors, 115, 1326
- Histamine H_3 receptor agonists, R- α -methylhistamine-induced inhibition of gastric acid secretion in pylorus-ligated rats via central histamine H_3 receptors, 115, 1326
- Histamine secretion, Blockade of mast cell histamine secretion in response to neurotensin by SR 48692, a nonpeptide antagonist of the neurotensin brain receptor, 114, 1466
- Histidine decarboxylase, Effects of macrophage depletion on the induction of histidine decarboxylase by lipopolysaccharide, interleukin 1 and tumour necrosis factor, 114, 187
- HLA antigens, Modulation of mite antigen-induced immune responses by lecithin-bound iodine in peripheral blood lymphocytes from patients with bronchial asthma, 115, 1141
- Hoe 140, Bradykinin receptors in mouse and rat isolated superior cervical ganglia, 115, 368
- Characterization of kinin receptors modulating neurogenic contractions of the mouse isolated vas deferens, 114, 1471
- Endothelium-dependent relaxations mediated by inducible B₁ and constitutive B₂ kinin receptors in the bovine isolated coronary artery, 116, 2473
- Involvement of B₂ receptors in the bradykinin-induced relaxation of guinea-pig isolated trachea, 114, 103
- Pharmacological evidence for a single bradykinin B₂ receptor in the guinea-pig, 116, 2106
- [des-Arg¹⁰]-Hoe 140, Bradykinin B₁ receptors in the rabbit urinary bladder: induction of responses, smooth muscle contraction, and phosphatidylinositol hydrolysis, 114, 612
- HPA-axis, Evidence for arginine vasopressin as the primary activator of the HPA axis during adjuvant-induced arthritis. 116, 2417
- 5-HT, Action of angiotensin II, 5-hydroxytryptamine and adenosine triphosphate on ionic currents in single ear artery cells of the rabbit, 116, 2148
- Assessment of renal dopaminergic system activity in the nitric oxidedeprived hypertensive rat model, 114, 1403
- Behavioural interactions between 5-hydroxytryptophan, neuroleptic agents and 5-HT receptor antagonists in modifying rodent responding to aversive situations, 116, 2989
- Characterization and distribution of putative 5-HT₇ receptors in guineapig brain, 115, 107
- Characterization of prejunctional 5-HT receptors mediating inhibition of sympathetic vasopressor responses in the pithed rat, 116, 3330
- A comparative study of functional 5-HT₄ receptors in human colon, rat oesophagus and rat ileum, 115, 47
- Coupling of an endogenous 5-HT_{1B}-like receptor to increases in intracellular calcium through a pertussis toxin-sensitive mechanism in CHO-K1 cells. 116, 2889
- Cytosolic calcium concentration-force relation during contractions in the rabbit femoral artery: time-dependency and stimulus specificity, 114, 329

- Differences between 5-HT₃ receptor antagonists in modulation of visceral hypersensitivity, 114, 558
- Differential effects of potassium channel blockers on extracellular concentrations of dopamine and 5-HT in the striatum of conscious rats, 116, 3260
- Drug-induced defaecation in rats: role of central 5-HT_{1A} receptors, 115, 203
- Effect of a 5-HT₁ receptor agonist, CP-122,288, on oedema formation induced by stimulation of the rat saphenous nerve, 115, 1
- Effect of 5-hydroxytryptamine on the membrane potential of endothelial and smooth muscle cells in the pig coronary artery, 115, 95
- Effects of 5-HT and 5-HT_{1A} receptor agonists and antagonists on dorsal vagal preganglionic neurones in anaesthetized rats: an ionophoretic study, 116, 2291
- Effects of U46619 on contractions to 5-HT, sumatriptan and methysergide in canine coronary artery and saphenous vein in vitro, 116, 2183
- Enhancement by 5-hydroxytryptamine and analogues of desensitization of neuronal and muscle nicotinic receptors expressed in *Xenopus* oocytes, 114, 1636
- Enhancement of cyclic AMP accumulation mediated by 5-HT after chronic amitriptyline treatment in N^G 108-15 cells, 114, 1282
- An enhancing effect of 5-hydroxytryptamine on electrically evoked atropine-resistant contraction of guinea-pig proximal colon, 114, 73
- Evidence that 5-HT_{ID} receptors mediate inhibition of sympathetic ganglionic transmission in anaesthetized cats, 116, 1715
- Evidence that 5-hydroxytryptamine release in rat dorsal raphé nucleus is controlled by 5-HT_{1A}, 5-HT_{1B} and 5-HT_{1D} autoreceptors, 114, 1107
- Evidence that activation of 5-HT₂ receptors in the forebrain of anaesthetized cats causes sympathoexcitation, 116, 1751
- Further evidence of anticonvulsant role for 5-hydroxytryptamine in genetically epilepsy-prone rats, 115, 1314
- 5-HT₂-mediated bronchial responses after syngeneic lung transplantation in the rat, 114, 1428
- 5-Hydroxytryptamine receptors that facilitate excitatory neuromuscular transmission in the guinea-pig isolated detrusor muscle, 115, 677
- 5-Hydroxytryptamine-mediated effects of nicotine on endogenous GAGA efflux from guinea-pig cortical slices, 116, 2724
- Increase of noradrenaline release in the hypothalamus of freely moving rat by postsynaptic 5-hydroxytryptamine_{1A} receptor activation, 115, 703
- Influence of chronic treatment with a nitric oxide donor on fatty streak development and reactivity of the rabbit aorta, 114, 1371
- Ketanserin-sensitive depressant actions of 5-HT receptor agonists in the neonatal rat spinal cord, 116, 2647
- Meta-chlorophenylpiperazine attenuates formalin-induced nociceptive responses through 5-HT_{1/2} receptors in both normal and diabetic mice, 116, 3133
- Pharmacological profile of the receptors that mediate external carotid vasoconstriction by 5-HT in vagosympathectomized dogs, 116, 2778
- The pharmacology and distribution of human 5-hydroxytryptamine_{2B} (5-HT_{2B}) receptor gene products: comparison with 5-HT_{2A} and 5-HT_{2c} receptors, 115, 622
- Potentiation by endothelin-1 of 5-hydroxytryptamine responses in aortae from streptozotocin-diabetic rats: a role for thromboxane A₂, 114, 1236
- Reflex circulatory collapse following intrapulmonary entrapment of activated platelets: mediation via 5-HT₃ receptor stimulation, 116, 2048
- Role of nitric oxide in learning and memory and in monoamine metabolism in the rat brain, 115, 852
- 5-HT autoreceptors, Evidence that 5-hydroxytryptamine release in rat dorsal raphé nucleus is controlled by 5-HT_{IA}, 5-HT_{IB} and 5-HT_{ID} autoreceptors, 114, 1107
- The hyperthermic and neurotoxic effects of 'Ecstasy' (MDMA) and 3,4-methylenedioxyamphetamine (MDA) in the Dark Agouti (DA) rat, a model of the CYP2D6 poor metabolizer phenotype, 115, 1281
- 5-HT receptors, Characterization and distribution of putative 5-HT₇ receptors in guinea-pig brain, 115, 107
- Enhancement of cyclic AMP accumulation mediated by 5-HT after chronic amitriptyline treatment in N^G 108-15 cells, 114, 1282
- 5-HT₃ receptor antagonism by anpirtoline, a mixed 5-HT₁ receptor agonist/5-HT₃ receptor antagonist, 114, 269

- 5-Hydroxytryptamine-mediated effects of nicotine on endogenous GAGA efflux from guinea-pig cortical slices, 116, 2724
- Meta-chlorophenylpiperazine attenuates formalin-induced nociceptive responses through 5-HT_{1/2} receptors in both normal and diabetic mice, 116, 3133
- 5-HT receptors, presynaptic, Effects of 5-HT receptor agonists on depolarization-induced [3H]-noradrenaline release in rabbit hippocampus and human neocortex, 116, 1769
- 5-HT receptor agonists, 5-Hydroxytryptamine receptors that facilitate excitatory neuromuscular transmission in the guinea-pig isolated detrusor muscle. 115, 677
- 5-HT receptor antagonists, 5-Hydroxytryptamine receptors that facilitate excitatory neuromuscular transmission in the guinea-pig isolated detrusor muscle, 115, 677
- 5-HT release, Interaction of clozapine with the histamine H₃ receptor in rat brain, 114, 1523
- 5-HT reuptake inhibitors, Interaction between a selective 5-HT_{1A} receptor antagonist and an SSRI in vivo: effects on 5-HT cell firing and extracellular 5-HT, 115, 1064
- 5-HT₁ receptors, Gi proteins and the response to 5-hydroxytryptamine in porcine cultured endothelial cells with impaired release of EDRF, 115, 822
- 5-HT₁ receptor agonists, The in vivo pharmacological profile of a 5-HT₁ receptor agonist, CP-122,288, a selective inhibitor of neurogenic inflammation, 116, 2385
- 5-HT₁-like receptors, Canine renovascular responses to sumatriptan and 5-carboxamidotryptamine: modulation through endothelial 5-HT₁-like receptors by endogenous nitric oxide, 114, 969
- Characterization of prejunctional 5-HT receptors mediating inhibition of sympathetic vasopressor responses in the pithed rat, 116, 3330
- Effects of U46619 on contractions to 5-HT, sumatriptan and methysergide in canine coronary artery and saphenous vein in vitro, 116, 2183
- Pharmacological profile of the receptors that mediate external carotid vasoconstriction by 5-HT in vagosympathectomized dogs, 116, 2778
- Presence of vasoconstrictor 5-HT₁-like receptors revealed by precontraction of rabbit isolated mesenteric artery, 114, 309
- Sumatriptan-induced saphenous venoconstriction in the anaesthetized dog through 5-HT₁-like receptor activation, 116, 2207
- Vascular 5-HT₁-like receptors mediating vasoconstriction and vasodilatation: their characterization and distribution in the intact canine cardiovascular system, 114, 961
- 5-HT_{1A} receptors, Drug-induced defaecation in rats: role of central 5-HT_{1A} receptors, 115, 203
- Effects of 5-HT and 5-HT_{1A} receptor agonists and antagonists on dorsal vagal preganglionic neurones in anaesthetized rats: an ionophoretic study, 116, 2291
- Evidence that 5-hydroxytryptamine release in rat dorsal raphé nucleus is controlled by 5-HT_{1A}, 5-HT_{1B} and 5-HT_{1D} autoreceptors, 114, 1107
- Increase of noradrenaline release in the hypothalamus of freely moving rat by postsynaptic 5-hydroxytryptamine_{1A} receptor activation, 115, 703
- 5-HT_{1A} receptor antagonists, Interaction between a selective 5-HT_{1A} receptor antagonist and an SSRI in vivo: effects on 5-HT cell firing and extracellular 5-HT, 115, 1064
- NMDA-induced glutamate and aspartate release from rat cortical pyramidal neurones: evidence for modulation by a 5-HT_{1A} antagonist, 115, 1169
- 5-HT_{1B} receptors, Coupling of an endogenous 5-HT_{1B}-like receptor to increases in intracellular calcium through a pertussis toxin-sensitive mechanism in CHO-K1 cells, 116, 2889
- Effect of a 5-HT₁ receptor agonist, CP-122,288, on oedema formation induced by stimulation of the rat saphenous nerve, 115, 1
- Evidence that 5-hydroxytryptamine release in rat dorsal raphé nucleus is controlled by 5-HT_{IA}, 5-HT_{IB} and 5-HT_{ID} autoreceptors, 114, 1107
- 5-HT_{1B} receptor agonists, Effect of a 5-HT₁ receptor agonist, CP-122,288, on oedema formation induced by stimulation of the rat saphenous nerve, 115, 1
- 5-HT_{1B/D} receptor agonists, Suppression by the sumatriptan analogue, CP-122,288 of c-fos immunoreactivity in trigeminal nucleus caudalis induced by intracisternal capsaicin, 114, 987
- 5-HT_{1D} receptors, Evidence that 5-HT_{1D} receptors mediate inhibition of

sympathetic ganglionic transmission in anaesthetized cats, 116, 1715

- Evidence that 5-hydroxytryptamine release in rat dorsal raphé nucleus is controlled by 5-HT_{1A}, 5-HT_{1B} and 5-HT_{1D} autoreceptors, 114, 1107
- Ketanserin-sensitive depressant actions of 5-HT receptor agonists in the neonatal rat spinal cord, 116, 2647
- Presence of vasoconstrictor 5-HT₁-like receptors revealed by precontraction of rabbit isolated mesenteric artery, 114, 309
- 5-HT₂ receptors, 5-HT₂-mediated bronchial responses after syngeneic lung transplantation in the rat, 114, 1428
- Blockade of motion- and cisplatin-induced emesis by a 5-HT₂ receptor agonist in Suncus murinus, 114, 931
- Evidence that activation of 5-HT₂ receptors in the forebrain of anaesthetized cats causes sympathoexcitation, 116, 1751
- Mediation by 5-hydroxytryptamine_{2B} receptors of endothelium-dependent relaxation in rat jugular vein, 114, 400
- 5-HT₂ receptor antagonists, Behavioural interactions between 5-hydroxytryptophan, neuroleptic agents and 5-HT receptor antagonists in modifying rodent responding to aversive situations, 116, 2989
- 5-HT_{2A} receptors, 5-Hydroxytryptamine receptors that facilitate excitatory neuromuscular transmission in the guinea-pig isolated detrusor muscle, 115, 677
- The pharmacology and distribution of human 5-hydroxytryptamine_{2B} (5-HT_{2B}) receptor gene products: comparison with 5-HT_{2A} and 5-HT_{2c} receptors, 115, 622
- 5-HT_{2A/2C} receptors, Protein kinase C in rat brain cortex and hippocampus: effect of repeated administration of fluoxetine and desipramine, 115, 595
- 5-HT_{2B} receptors, Functional evidence for a 5-HT_{2B} receptor mediating contraction of longitudinal muscle in human small intestine, 114, 1525
- The pharmacology and distribution of human 5-hydroxytryptamine_{2B} (5-HT_{2B}) receptor gene products: comparison with 5-HT_{2A} and 5-HT_{2c} receptors, 115, 622
- 5-HT_{2C} receptors, The pharmacology and distribution of human 5-hydroxytryptamine_{2B} (5-HT_{2B}) receptor gene products: comparison with 5-HT_{2A} and 5-HT_{2c} receptors, 115, 622
- 5-HT_{2C/2B} receptors, Differential effects of acute and chronic fluoxetine administration on the spontaneous activity of dopaminergic neurones in the ventral tegmental area. 116, 1923
- 5-HT₃ receptors, Differences between 5-HT₃ receptor antagonists in modulation of visceral hypersensitivity, 114, 558
- An electrophysiological investigation of the properties of a murine recombinant 5-HT₃ receptor stably expressed in HEK 293 cells, 114, 1211
- Evaluation of the receptor selectivity of the H₃ receptor antagonists, iodophenpropit and thioperamide: an interaction with the 5-HT₃ receptor revealed, 116, 2315
- Evidence that the atypical 5-HT₃ receptor ligand, [³H]-BRL46470, labels additional 5-HT₃ binding sites compared to [³H]-granisetron, 116, 1781
- 5-HT₃ receptor agonist induced carrier-mediated release of dopamine in rat striatum in vivo. 116, 1545
- 5-HT₃ receptor antagonism by anpirtoline, a mixed 5-HT₁ receptor agonist/5-HT₃ receptor antagonist, 114, 269
- 5-Hydroxytryptamine receptors that facilitate excitatory neuromuscular transmission in the guinea-pig isolated detrusor muscle, 115, 677
- The interaction of antidepressant drugs with central and peripheral (enteric) 5-HT₃ and 5-HT₄ receptors, 114, 1017
- The interaction of RS 25259-197, a potent and selective antagonist, with 5-HT₃ receptors, in vitro, 114, 851
- The interaction of trichloroethanol with murine recombinant 5-HT₃ receptors, 114, 1641
- Reflex circulatory collapse following intrapulmonary entrapment of activated platelets: mediation via 5-HT₃ receptor stimulation, 116, 2048
- 5-HT₃ receptors, recombinant, An electrophysiological investigation of the properties of a murine recombinant 5-HT₃ receptor stably expressed in HEK 293 cells. 114, 1211
- 5-HT₃ receptor agonists, 5-HT₃ receptor agonist induced carrier-mediated release of dopamine in rat striatum *in vivo*, 116, 1545
- 5-HT₃ receptor antagonists, Differences between 5-HT₃ receptor antagonists in modulation of visceral hypersensitivity, 114, 558
- An electrophysiological investigation of the properties of a murine

recombinant 5-HT₃ receptor stably expressed in HEK 293 cells, 114, 1211

- The interaction of RS 25259-197, a potent and selective antagonist, with 5-HT₃ receptors, in vitro, 114, 851
- Pharmacological characterization of RS 25259-197, a novel and selective 5-HT₃ receptor antagonist, in vivo, 114, 860
- 5-HT₄ receptors, A comparative study of functional 5-HT₄ receptors in human colon, rat oesophagus and rat ileum, 115, 47
- Differences in response to 5-HT₄ receptor agonists and antagonists of the 5-HT₄-like receptor in human colon circular smooth muscle, 115, 172
- An enhancing effect of 5-hydroxytryptamine on electrically evoked atropine-resistant contraction of guinea-pig proximal colon, 114, 73
- 5-Hydroxytryptamine (5-HT)₄ receptors in post mortem human brain tissue: distribution, pharmacology and effects of neurodegenerative diseases, 114, 993
- 5-Hydroxytryptamine receptors that facilitate excitatory neuromuscular transmission in the guinea-pig isolated detrusor muscle, 115, 677
- The interaction of antidepressant drugs with central and peripheral (enteric) 5-HT₃ and 5-HT₄ receptors, 114, 1017
- Labelling with [¹²⁵I]-SB 207710 of a small 5-HT₄ receptor population in piglet right atrium: functional relevance, 115, 933
- Pharmacological characterization of two novel and potent 5-HT₄ receptor agonists, RS 67333 and RS 67506, in vitro and in vivo, 115, 1387
- 5-HT₄ receptor agonists, A comparative study of functional 5-HT₄ receptors in human colon, rat oesophagus and rat ileum, 115, 47
- Differences in response to 5-HT₄ receptor agonists and antagonists of the 5-HT₄-like receptor in human colon circular smooth muscle, 115, 172
- 5-HT₄ receptor antagonists, A comparative study of functional 5-HT₄ receptors in human colon, rat oesophagus and rat ileum, 115, 47
- Differences in response to 5-HT₄ receptor agonists and antagonists of the 5-HT₄-like receptor in human colon circular smooth muscle, 115, 172
- Pharmacological characterization of two novel and potent 5-HT₄ receptor agonists, RS 67333 and RS 67506, in vitro and in vivo, 115, 1387
- RS 39604: a potent, selective and orally active 5-HT₄ receptor antagonist, 115, 1087
- 5-HT₇ receptors, Characterization and distribution of putative 5-HT₇ receptors in guinea-pig brain, 115, 107
- HT-29 cells, Characterization of the effect of SR48692 on inositol monophosphate, cyclic GMP and cyclic AMP responses linked to neurotensin receptor activation in neuronal and non-neuronal cells, 116, 1899
- Inducible nitric oxide synthase activity and expression in a human colonic epithelial cell line, HT-29, 116, 2866
- Huntington's disease, 5-Hydroxytryptamine (5-HT)₄ receptors in post mortem human brain tissue: distribution, pharmacology and effects of neurodegenerative diseases, 114, 993
- Hydralazine, Inhibition of calcium release from the sarcoplasmic reticulum of rabbit aorta by hydralazine, 114, 238
- Hydrochlorothiazide, Relaxation and decrease in [Ca²⁺]_i by hydrochlorothiazide in guinea-pig isolated mesenteric arteries, 114, 703
- Hydrocortisone, The effect of glucocorticoids on proliferation of human cultured airway smooth muscle, 116, 3219
- Hydrogen peroxide, The inhibitory effect of 3-amino-1,2,4-triazole on relaxation induced by hydroxylamine and sodium azide but not hydrogen peroxide or glyceryl trinitrate in rat aorta, 116, 3302
- Hydroquinone, Inhibition of relaxations to nitrergic stimulation of the mouse anococcygeus by duroquinone, 116, 3231
- 5-Hydroxydecanoate, Endothelin-1-induced reduction of myocardial infarct size by activation of ATP-sensitive potassium channels in a rabbit model of myocardial ischaemia and reperfusion, 116, 2597
- 7-Hydroxy-N,N-di-n-propyl-2-aminotetralin (7-OH-DPAT), Biphasic inhibition of stimulated endogenous dopamine release by 7-OH-DPAT in slices of rat nucleus accumbens, 115, 421
- 3-Hydroxy-3-methylglutaryl coenzyme A (HMG-CoA) reductase inhibitors, Effects of 3-hydroxy-3-methylglutaryl coenzyme A reductase inhibitors on mitochondrial respiration in ischaemic dog hearts,

116, 1894

- Hydroxylamine, Influence of nitric oxide synthase inhibition, nitric oxide and hydroperoxide on insulin release induced by various secretagogues, 114, 289
- The inhibitory effect of 3-amino-1,2,4-triazole on relaxation induced by hydroxylamine and sodium azide but not hydrogen peroxide or glyceryl trinitrate in rat aorta, 116; 3302
- 13-Hydroxylinoleic acid, Hypotensive effect of 13-hydroxylinoleic acid in the rat: mediation via the release of a CGRP-like mediator from capsaicin-sensitive nerves, 115, 835
- 2-Hydroxy-saclofen, Hyperpolarization by GABA_B receptor agonists in mid-brain periaqueductal gray neurones in vitro, 116, 1583
- Hyoscine, 5-Hydroxytryptamine receptors that facilitate excitatory neuromuscular transmission in the guinea-pig isolated detrusor muscle, 115, 677
- Hyperaemia, Mediation by CCK_B receptors of the CCK-evoked hyperaemia in rat gastric mucosa, 116, 2274
- Hyperalgesia, Antinociceptive activity of the tachykinin NK₁ receptor antagonist, CP-99,994, in conscious gerbils, 116, 1937
- Blockade by ONO-NT-012, a unique prostanoid analogue, of prostaglandin E₂-induced allodynia in conscious mice, 115, 73
- Contribution of interleukin-1β to the inflammation-induced increase in nerve growth factor levels and inflammatory hyperalgesia, 115, 1265
- Cytokine-mediated inflammatory hyperalgesia limited by interleukin-10, 115, 684
- Hypercholesterolaemia, Effect of crilvastatin, a new cholesterol lowering agent, on unesterified LDL-cholesterol metabolism into bile salts by rat isolated hepatocytes, 114, 624
- Hyperpolarization, Endothelium-dependent relaxations in sheep pulmonary arteries and veins: resistance to block by N^G-nitro-L-arginine in pulmonary hypertension, 116, 2457
- Release of endothelium-derived hyperpolarizing factor (EDHF) by M₃ receptor stimulation in guinea-pig coronary artery, 115, 717
- Hyperresponsiveness, Prevention by the tachykinin NK₂ receptor antagonist, SR 48968, of antigen-induced airway hyperresponsiveness in sensitized guinea-pigs, 114, 259
- Hypersensitivity, delayed-type, Delayed-type hypersensitivity-induced increase in vascular permeability in the mouse small intestine: inhibition by depletion of sensory neuropeptides and NK₁ receptor blockade, 114, 1483
- Hypertension, Assessment of renal dopaminergic system activity in the nitric oxide-deprived hypertensive rat model, 114, 1403
- Effect of methylguanidine on rat blood pressure: role of endothelial nitric oxide synthase, 115, 510
- Enhanced sympathetic neurotransmission in the tail artery of 1,3dipropyl-8-sulphophenylxanthine (DPSPX)-treated rats, 116, 1918
- Haemodynamic effects of losartan and the endothelin antagonist, SB 209670, in conscious, transgenic ((mRen-2)27), hypertensive rats, 116, 2237
- Hypertension and enhanced β-adrenoceptor-mediated facilitation of noradrenaline release produced by chronic blockade of adenosine receptors, 114, 1595
- Involvement of endothelin in the pressor response following injection of NMDA to the periaqueductal gray area of rats, 116, 2787
- Lack of a centrally-mediated antihypertensive effect following acute or chronic central treatment with AT₁-receptor antagonists in spontaneously hypertensive rats, 116, 3181
- Mechanism of action of the inhibitory effect of nifedipine on the growth of cultured aortic cells from spontaneously hypertensive and normotensive rats, 114, 1703
- Pharmacology of LR-B/081, a new highly potent, selective and orally active, nonpeptide angiotensin II AT₁ receptor antagonist, 114, 1117
- Reduction by oral propranolol treatment of left ventricular hypertrophy secondary to pressure-overload in the rat, 116, 2703
- Relationships between kallikrein secretion, kallikrein excretion and β-adrenoceptors in kidney cortical slices from neurogenic hypertensive dogs, 116, 1704
- Role of endothelin-1 and the ET_A receptor in the maintenance of deoxycorticosterone acetate-salt-induced hypertension, 114, 925
- Hypertension, genetic, Prevention by blockade of angiotensin subtype₁receptors of the development of genetic hypertension but not its

- heritability, 115, 557
- Hypertension, portal, Effects of portal hypertension on responsiveness of rat mesenteric artery and aorta, 114, 791
- **Hypertension, pulmonary**, Endothelium-dependent relaxations in sheep pulmonary arteries and veins: resistance to block by N^G -nitro-L-arginine in pulmonary hypertension, **116**, 2457
- Evidence that nitric oxide from the endothelium attenuates inherent tone in isolated pulmonary arteries from rats with hypoxic pulmonary hypertension, 114, 109
- Intrinsic activity of the non-prostanoid thromboxane A₂ receptor antagonist, daltroban (BM 13,505), in human platelets in vitro and in the rat vasculature in vivo, 115, 210
- Mechanisms of pulmonary vasoconstriction and bronchoconstriction produced by PAF in the guinea-pig: role of platelets and cyclooxygenase metabolites, 114, 203
- Hypertensive rat models, Antihypertensive effect of an endothelin receptor antagonist in DOCA-salt spontaneously hypertensive rats, 115, 1377
- Dietary calcium and magnesium supplements in spontaneously hypertensive rats and isolated arterial reactivity, 115, 1455
- Prevention by blockade of angiotensin subtype₁-receptors of the development of genetic hypertension but not its heritability, 115, 557
- Hyperthermia, The hyperthermic and neurotoxic effects of 'Ecstasy' (MDMA) and 3,4-methylenedioxyamphetamine (MDA) in the Dark Agouti (DA) rat, a model of the CYP2D6 poor metabolizer phenotype, 115, 1281
- Hypotension, Comparative study of endotoxin-induced hypotension in kininogen-deficient rats with that in normal rats, 114, 1250
- Delayed circulatory failure due to the induction of nitric oxide synthase by lipoteichoic acid from Staphylococcus aureus in anaesthetized rats, 114, 1317
- Hypotensive effect of 13-hydroxylinoleic acid in the rat: mediation via the release of a CGRP-like mediator from capsaicin-sensitive nerves, 115, 835
- Neuroprotective efficacy of lifarizine (RS-87476) in a simplified rat survival model of 2 vessel occlusion, 116, 3093
- A role for mast cells in adenosine A₃ receptor-mediated hypotension in the rat, 115, 945
- Hypothalamus, Increase of noradrenaline release in the hypothalamus of freely moving rat by postsynaptic 5-hydroxytryptamine_{1A} receptor activation, 115, 703
- Regional haemodynamic effects of μ-, δ-, and κ-opioid agonists microinjected into the hypothalamic paraventricular nuclei of conscious, unrestrained rats, 115, 613
- SMS 201-995-induced stimulation of gastric acid secretion via the dorsal vagal complex and inhibition via the hypothalamus in anaesthetized rats, 116, 2303
- Hypoxia, Action of adenosine receptor antagonists on hypoxia-induced effects in the rat hippocampus *in vitro*, 116, 2113
- Evidence that nitric oxide from the endothelium attenuates inherent tone in isolated pulmonary arteries from rats with hypoxic pulmonary hypertension, 114, 109
- Reduction by β-adrenoceptor blockade of hypoxia-induced right heart hypertrophy in the rat, 116, 2698

I

- **Iberiotoxin**, A comparison of the effects of SCA40, NS 004 and NS 1619 on large conductance Ca²⁺-activated K⁺ channels in bovine tracheal smooth muscle cells in culture, **116**, 1656
- Modulation of acetylcholine release at mouse neuromuscular junctions by interaction of three homologous scorpion toxins with K⁺ channels, 114, 1502
- Potassium currents in human freshly isolated bronchial smooth muscle cells, 115, 1117
- Ibuprofen, Enhancement by cyclo-oxygenase inhibitors of plateletactivating factor production in thapsigargin-stimulated macrophages, 116, 2141
- ICAM-1, Modulation of mite antigen-induced immune responses by lecithin-bound iodine in peripheral blood lymphocytes from patients with bronchial asthma, 115, 1141

ICI 118551, Acute effects of the β_3 -adrenoceptor agonist, BRL 35135, on tissue glucose utilisation, 114, 888

- β-Adrenoceptor subtypes in young and old rat ventricular myocytes: a combined patch-clamp and binding study, 116, 1835
- Determination of β-adrenoceptor subtype on rat isolated ventricular myocytes by use of highly selective β-antagonists, 116, 1635
- ICI 182780, Lens opacification by antioestrogens: tamoxifen vs ICI 182,780, 115, 1347
- **Idazoxan**, A re-evaluation of the role of α_2 -adrenoceptors in the anxiogenic effects of yohimbine, using the selective antagonist delequamine in the rat, **116**, 2081
- Renal effects of infusion of rilmenidine and guanabenz in conscious dogs: contribution of peripheral and central nervous system α_2 -adrenoceptors, 116, 1557
- [³H]-Idazoxan, Comparison of the interaction of agmatine and crude methanolic extracts of bovine lung and brain with α₂-adrenoceptor binding sites, 115, 689
- The effects of phenelzine and other monoamine oxidase inhibitor antidepressants on brain and liver I₂ imidazoline-preferring receptors, 114, 837
- RS-45041-190: a selective, high-affinity ligand for I₂ imidazoline receptors, 116, 1737
- Ifenprodil analogues, Blockade by polyamine NMDA antagonists related to ifenprodil of NMDA-induced synthesis of cyclic GMP, increases in calcium and cytotoxicity in cultured neurones, 114, 1359
- IgE, Modulation of mite antigen-induced immune responses by lecithinbound iodine in peripheral blood lymphocytes from patients with bronchial asthma, 115, 1141
- **Ileocolonic junction**, Comparison of the pharmacological profile of S-nitrosothiols, nitric oxide and the nitrergic neurotransmitter in the canine ileocolonic junction, **114**, 1179
- **Ileum**, Pharmacological evidence for a single bradykinin B_2 receptor in the guinea-pig, 116, 2106
- Ileum, guinea-pig, Acute withdrawal after bremazocine and the interaction between μ- and κ-opioid receptors in isolated gut tissues, 114, 1206
- Characterization of the interaction between muscarinic M₂ receptors and β-adrenoceptor subtypes in guinea-pig isolated ileum, 114, 49
- Evidence for lack of modulation of μ-opioid agonist action by δ-opioid agonists in the mouse vas deferens and guinea-pig ileum, 114, 1064
- Further evidence from functional studies for somatostatin receptor heterogeneity in guinea-pig isolated ileum, vas deferens and right atrium, 115, 975
- The interaction of antidepressant drugs with central and peripheral (enteric) 5-HT₃ and 5-HT₄ receptors, 114, 1017
- The interaction of RS 25259-197, a potent and selective antagonist, with 5-HT₃ receptors, in vitro, 114, 851
- Nitric oxide, an enteric nonadrenergic-noncholinergic relaxant transmitter: evidence using phosphodiesterase V and nitric oxide synthase inhibition, 116, 1789
- Ileum, human, Functional evidence for a 5-HT_{2B} receptor mediating contraction of longitudinal muscle in human small intestine, 114, 1525
- Ileum, rat, A comparative study of functional 5-HT₄ receptors in human colon, rat oesophagus and rat ileum, 115, 47
- Characterization and localization of atypical β -adrenoceptors in rat ileum, 116, 2549
- [³H]-Imidazenil binding, Characterization of [³H]-imidazenil binding to rat brain membranes, 114, 1159
- Imidazolines, Selectivity of the imidazoline α -adrenoceptor agonists (oxymetazoline and cirazoline) for human cloned α_1 -adrenoceptor subtypes, 116, 1611
- Imidazoline binding sites, The effects of phenelzine and other monoamine oxidase inhibitor antidepressants on brain and liver I_2 imidazoline-preferring receptors, 114, 837
- Effects of the selective I₁ imidazoline receptor agonist, moxonidine, on gastric secretion and gastric mucosal injury in rats, 114, 751
- RS-45041-190: a selective, high-affinity ligand for I₂ imidazoline receptors, 116, 1737
- [³H]-RS-45041-190: a selective high-affinity radioligand for I₂ imidazoline receptors, 116, 1729
- Imidazoline receptors, Renal effects of infusion of rilmenidine and

guanabenz in conscious dogs: contribution of peripheral and central nervous system α_2 -adrenoceptors, 116, 1557

- The role of the peripheral sympathetic nervous system in the natriuresis following central administration of an I₁ imidazoline agonist, moxonidine, 116, 2631
- Immobility, Enhancement of immobility in a forced swimming test by subacute or repeated treatment with phencyclidine: a new model of schizophrenia, 116, 2531
- Immunocytochemistry, Study of NO and VIP as non-adrenergic noncholinergic neurotransmitters in the pig gastric fundus, 116, 2017
- Immunohistochemistry, Distribution and effects of pituitary adenylate cyclase activating peptide in cat and human lower oesophageal sphincter, 116, 2873
- Pituitary adenylate cyclase-activating polypeptide, helospectin, and vasoactive intestinal polypeptide in human corpus cavernosum, 116, 2258
- In situ hybridization, The α_{1C} -adrenoceptor in human prostate: cloning, functional expression, and localization to specific prostatic cell types, 115, 1475
- Characterization and distribution of putative 5-HT₇ receptors in guineapig brain, 115, 107
- In situ hybridization studies of prostacyclin receptor mRNA expression in various mouse organs, 116, 2828
- Indanyloxyacetic acid, Effect of frusemide, ethacrynic acid and indanyloxyacetic acid on spontaneous Ca-activated currents in rabbit portal vein smooth muscle cells, 115, 733
- Indo-1, Activation of nicotinic acetylcholine receptors expressed in quail fibroblasts: effects on intracellular calcium, 116, 2838
- Indomethacin, Absence of a losartan interaction with renal lithium excretion in the rat, 116, 2166
- A comparison of the effects of exogenous and endogenous prostaglandins on fast and slow contractions of field-stimulated guinea-pig vas deferens. 116, 2679
- The effect of folate on the methotrexate/indomethacin interaction in a murine cancer cell line, 116, 1809
- Enhancement by cyclo-oxygenase inhibitors of platelet-activating factor production in thapsigargin-stimulated macrophages, 116, 2141
- Further investigations into adenosine A₁ receptor-mediated contraction in rat colonic muscularis mucosae and its augmentation by certain alkylxanthine antagonists, 114, 999
- GABA-mediated inhibition of the anaphylactic response in the guineapig trachea, 115, 389
- Impaired endothelium-dependent relaxation in isolated resistance arteries of spontaneously diabetic rats. 116, 3251
- Induction of nitric oxide synthase and microvascular injury in the rat jejunum provoked by indomethacin, 116, 2286
- Interaction between methotrexate and indomethacin on a human normal haemopoietic cell line, 114, 715
- Mediation by prostaglandins of the nitric oxide-induced neurogenic vasodilatation in rat skin, 116, 2365
- Modulation by stereoselective inhibition of cyclo-oxygenase of electromechanical coupling in the guinea-pig isolated renal pelvis, 114, 1149
- Prostaglandin E₂ requirement for transforming growth factor β₁ inhibition of elicited macrophage 14 kDa phospholipase A₂ release, 116, 2575
- Ramipril-induced decrease in renal lithium excretion in the rat, 116, 2161
- Significance of nitric oxide in the stimulation of intestinal fluid absorption in the rat jejunum in vivo, 114, 13
- Vascular pharmacology of methylene blue in vitro and in vivo: a comparison with N^G-nitro-L-arginine and diphenyleneiodonium, 114, 104
- **Indoramin**, Evidence for a functional α_{1A} -(α_{1C} -) adrenoceptor mediating contraction of the rat epididymal vas deferens and an α_{1B} -adrenoceptor mediating contraction of the rat spleen, 115, 467
- Noradrenaline contractions of human prostate mediated by α_{1A} (α_{1C})adrenoceptor subtype, 115, 781
- Infarction, Involvement of protein kinase C in the delayed cytoprotection following sublethal ischaemia in rabbit myocardium, 115, 222
- Inflammation, Acute pro-inflammatory actions of endothelin-1 in the guinea-pig lung: involvement of ET_A and ET_B receptors, 115, 227

- Contribution of interleukin-1β to the inflammation-induced increase in nerve growth factor levels and inflammatory hyperalgesia, 115, 1265
- Coronary vasoconstriction in vitro in the hearts of polyarthritic rats: effectiveness of in vivo treatment with the endothelin receptor antagonist SB 209670, 114, 1327
- Effect of interleukin-4 and interleukin-10 on leucocyte migration and nitric oxide production in the mouse, 116, 2251
- Isothioureas: potent inhibitors of nitric oxide synthases with variable isoform selectivity, 114, 510
- Reduction of inflammation and pyrexia in the rat by oral administration of SDZ 224-015, an inhibitor of the interleukin-1β converting enzyme, 115, 601
- Release by ultraviolet B (u.v.B) radiation of nitric oxide (NO) from human keratinocytes: a potential role for nitric oxide in erythema production, 114, 1257
- Substance P-induced inflammatory responses in guinea-pig skin: The effect of specific NK₁ receptor antagonists and the role of endogenous mediators, 114, 1343
- **Inflammation, acute**, The effects of formoterol on plasma exudation produced by a localized acute inflammatory response to bradykinin in the tracheal mucosa of rats *in vivo*, **116**, 1571
- Inhibition of carrageenin-induced rat paw oedema by crotapotin, a polypeptide complexed with phospholipase A₂, 114, 578
- Inflammation, cutaneous, Demonstration of a 'septide-sensitive' inflammatory response in rat skin, 116, 2170
- Inflammation, intestinal, Attenuation by nitrosothiol NO donors of acute intestinal microvascular dysfunction in the rat, 115, 498
- Induction of nitric oxide synthase and microvascular injury in the rat jejunum provoked by indomethacin, 116, 2286
- **Inflammation, neurogenic,** Effect of a 5-HT₁ receptor agonist, CP-122,288, on oedema formation induced by stimulation of the rat saphenous nerve, 115, 1
- Increase of meningeal blood flow after electrical stimulation of rat dura mater encephali: mediation by calcitonin gene-related peptide, 114,
- An investigation into the mechanism of capsaicin-induced oedema in rabbit skin, 114, 570
- Involvement of tachykinins in plasma extravasation induced by bradykinin and low pH medium in the guinea-pig conjuctiva, 115, 128
- Peripheral GABA_A receptor-mediated effects of sodium valproate on dural plasma protein extravasation to substance P and trigeminal stimulation, 116, 1661
- The in vivo pharmacological profile of a 5-HT₁ receptor agonist, CP-122,288, a selective inhibitor of neurogenic inflammation, 116, 2385
- Inflammation, ocular, Role of nitric oxide (NO) in ocular inflammation, 116, 2447
- Inflammatory bowel disease, Inducible nitric oxide synthase activity and expression in a human colonic epithelial cell line, HT-29, 116, 2866
- **Inflammatory mediators**, Involvement of B₁ and B₂ receptors in bradykinin-induced rat paw oedema, 114, 1005
- Inositol monophosphate, Characterization of the effect of SR48692 on inositol monophosphate, cyclic GMP and cyclic AMP responses linked to neurotensin receptor activation in neuronal and non-neuronal cells, 116, 1899
- Inositol phosphates, Effects of GTPγS on muscarinic receptor-stimulated inositol phospholipid hydrolysis in permeabilized smooth muscle from the small intestine, 115, 147
- G-protein involvement in muscarinic receptor-stimulation of inositol phosphates in longitudinal smooth muscle from the small intestine of the guinea-pig, 114, 119
- Inhibition of muscarinic receptor-induced inositol phospholipid hydrolysis by caffeine, β-adrenoceptors and protein kinase C in intestinal smooth muscle, 114, 602
- PPADS: an antagonist at endothelial P_{2Y}-purinoceptors but not P_{2U}-purinoceptors, 116, 2413
- Regulation of histamine- and UTP-induced increases in Ins(1,4,5)P₃,
 Ins (1,3,4,5)P₄ and Ca²⁺ by cyclic AMP in DDT₁ MF-2 cells, 114, 383
- Synergy between the inositol phosphate responses to transfected human adenosine A₁-receptors and constitutive P₂-purinoceptors in CHO-K1 cells. 115, 1415
- Inositol phospholipid turnover, Bradykinin B1 receptors in the rabbit

- urinary bladder: induction of responses, smooth muscle contraction, and phosphatidylinositol hydrolysis, 114, 612
- Characterization of metabotropic glutamate receptor-stimulated phosphoinositide hydrolysis in rat cultured cerebellar granule cells, 116, 2874
- Correlation of cyclic AMP accumulation and relaxant actions of salmeterol and salbutamol in bovine tracheal smooth muscle, 116, 2510
- Endogenous nitric oxide signalling system and the cardiac muscarinic acetylcholine receptor-inotropic response, 115, 1525
- Inotropic changes induced by fluoroaluminates in rabbit left atrial muscles: possible involvement of G proteins, 114, 224
- Mechanism of activation of nonselective cation channels by putative M₄ muscarinic receptor in guinea-pig chromaffin cells, 114, 419
- Modulation of NMDA effects on agonist-stimulated phosphoinositide turnover by memantine in neonatal rat cerebral cortex, 114, 797
- Pharmacological selectivity of the cloned human P_{2U}-purinoceptor: potent activation by diadenosine tetraphosphate, 116, 1619
- Species-related differences in inotropic effects of angiotensin II in mammalian ventricular muscle: receptors, subtypes and phosphoinositide hydrolysis, 114, 447
- Structure-activity relationships for a series of phenylglycine derivatives acting at metabotropic glutamate receptors (mGluRs), 116, 3323
- Inositol trisphosphate, Heparin-insensitive calcium release from intracellular stores triggered by the recombinant human parathyroid hormone receptor. 114, 1613
- Inositol 1,4,5-trisphosphate, Activation of phospholipase C in SH-SY5Y neuroblastoma cells by potassium-induced calcium entry, 116, 1797
- Desensitization of the μ-opioid activation of phospholipase C in SH-SY5Y cells: the role of protein kinases C and A and Ca²⁺-activated K⁺ currents, 116, 2655
- Effects of 8-bromoguanosine 3':5'-cyclic monophosphate on phenylephrine-induced phosphatidylinositol hydrolysis and contraction in rat caudal artery, 116, 1697
- Modulation of NMDA effects on agonist-stimulated phosphoinositide turnover by memantine in neonatal rat cerebral cortex, 114, 797
- NPC 15669-modulated human polymorphonuclear neutrophil functional responsiveness: effects on receptor-coupled signal transduction, 114, 1694
- Quantitative comparisons of muscarinic and bradykinin receptormediated Ins (1,4,5)P₃ accumulation and Ca²⁺ signalling in human neuroblastoma cells, 114, 1133
- Relationship between agonist binding, phosphorylation and immunoprecipitation of the m₃-muscarinic receptor, and second messenger responses, 116, 1723
- Inotropic agents, Calcium channel subtypes for the sympathetic and parasympathetic nerves of guinea-pig atria, 116, 1577
- Differential effects of OPC-18790, amrinone and dobutamine on cardiac function and energy metabolism in the guinea-pig isolated ischaemic heart, 114, 1090
- Electrophysiological basis for antiarrhythmic efficacy, positive inotropy and low proarrhythmic potential of (-)-caryachine, 116, 3211
- Inotropic effects, Inotropic changes induced by fluoroaluminates in rabbit left atrial muscles: possible involvement of G proteins, 114, 224
- Species-related differences in inotropic effects of angiotensin II in mammalian ventricular muscle: receptors, subtypes and phosphoinositide hydrolysis, 114, 447
- Sustained negative inotropism mediated by α-adrenoceptors in adult mouse myocardia: developmental conversion from positive response in the neonate, 114, 673
- Insecticides, Actions of the insecticide fipronil, on dieldrin-sensitive and resistant GABA receptors of *Drosophila melanogaster*, 115, 909
- Insects, Pharmacology of the octopamine receptor from locust central nervous tissue (OAR3), 114, 210
- Insulin, Acute effects of the β_3 -adrenoceptor agonist, BRL 35135, on tissue glucose utilisation, 114, 888
- Alterations of insulin response to different β cell secretagogues and pancreatic vascular resistance induced by N^ω-nitro-L-arginine methyl ester, 116, 1965
- Effect of diabetes and elevated glucose on nitric oxide-mediated neurotransmission in rat anococcygeus muscle, 115, 409
- Effects of type-selective phosphodiesterase inhibitors on glucose-in-

- duced insulin secretion and islet phosphodiesterase activity, 115, 1486
- Influence of nitric oxide synthase inhibition, nitric oxide and hydroperoxide on insulin release induced by various secretagogues, 114, 289
- Multiple effects and stimulation of insulin secretion by the tyrosine kinase inhibitor genistein in normal mouse islets, 114, 872
- Regulation of muscle glycogen metabolism by CGRP and amylin: CGRP receptors not involved, 115, 713
- Interferon-γ, Induction of L-arginine transport and nitric oxide synthase in vascular smooth muscle cells: synergistic actions of pro-inflammatory cytokines and bacterial lipopolysaccharide, 116, 3243
- Modulation of mite antigen-induced immune responses by lecithinbound iodine in peripheral blood lymphocytes from patients with bronchial asthma, 115, 1141
- Protein kinase C and tyrosine kinase pathways regulate lipopolysaccharide-induced nitric oxide synthase activity in RAW 264.7 murine macrophages, 114, 482
- Interleukin-1, Cytokine-mediated induction of cyclo-oxygenase-2 by activation of tyrosine kinase in bovine endothelial cells stimulated by bacterial lipopolysaccharide, 115, 401
- Cytokine-mediated inflammatory hyperalgesia limited by interleukin-10, 115, 684
- Effect of interleukin-4 and interleukin-10 on leucocyte migration and nitric oxide production in the mouse, 116, 2251
- Effects of macrophage depletion on the induction of histidine decarboxylase by lipopolysaccharide, interleukin 1 and tumour necrosis factor, 114, 187
- Reduction of inflammation and pyrexia in the rat by oral administration of SDZ 224-015, an inhibitor of the interleukin-1β converting enzyme, 115, 601
- Regulation of kinin-induced contraction and DNA synthesis by inflammatory cytokines in the smooth muscle of the rabbit aorta, 116, 1673
- Interleukin-1 converting enzyme, Reduction of inflammation and pyrexia in the rat by oral administration of SDZ 224-015, an inhibitor of the interleukin-1β converting enzyme, 115, 601
- Interleukin-1 converting enzyme inhibitors, Reduction of inflammation and pyrexia in the rat by oral administration of SDZ 224-015, an inhibitor of the interleukin-1 β converting enzyme, 115, 601
- Interleukin-1 receptor antagonists, Cytokine-mediated inflammatory hyperalgesia limited by interleukin-10, 115, 684
- Interleukin-1a, Induction of L-arginine transport and nitric oxide synthase in vascular smooth muscle cells: synergistic actions of proinflammatory cytokines and bacterial lipopolysaccharide, 116, 3243
- Interleukin-1 β , Bradykinin receptors in mouse and rat isolated superior cervical ganglia, 115, 368
- Contribution of interleukin-1β to the inflammation-induced increase in nerve growth factor levels and inflammatory hyperalgesia, 115, 1265
- The role of nitric oxide in cardiac depression induced by interleukin-1β and tumour necrosis factor-α, 114, 27
- Suppression of naloxone-precipitated withdrawal jumps in morphinedependent mice by stimulation of prostaglandin EP₃ receptor, 116, 2661
- Interleukin-4, Modulation of mite antigen-induced immune responses by lecithin-bound iodine in peripheral blood lymphocytes from patients with bronchial asthma, 115, 1141
- Interleukin-6, Cytokine-mediated inflammatory hyperalgesia limited by interleukin-10, 115, 684
- Interleukin-8, Cytokine-mediated inflammatory hyperalgesia limited by interleukin-10, 115, 684
- Effect of interleukin-4 and interleukin-10 on leucocyte migration and nitric oxide production in the mouse, 116, 2251
- Interleukin-10, Cytokine-mediated inflammatory hyperalgesia limited by interleukin-10, 115, 684
- Intestinal fluid transport, Significance of nitric oxide in the stimulation of intestinal fluid absorption in the rat jejunum in vivo, 114, 13
- Intestinal motility, Impairment of nitrergic-mediated relaxation of rat isolated duodenum by experimental diabetes, 114, 919
- Pharmacological evidence that nitric oxide may be a retrograde messenger in the enteric nervous system, 114, 428
- Intestinal trefoil factor, Modulation of epidermal growth factor effects on epithelial ion transport by intestinal trefoil factor, 115, 77
- Intestine, Angiotensin-converting enzyme (ACE) inhibitor transport in

- human intestinal epithelial (Caco-2) cells, 114, 981
- D-Cycloserine transport in human intestinal epithelial (Caco-2) cells: mediation by a H⁺-coupled amino acid transporter, 115, 761
- Modulation of calcium currents by G-proteins and adenosine receptors in myenteric neurones cultured from adult guinea-pig small intestine, 116, 1882
- Intestine, guinea-pig, Evaluation of the receptor selectivity of the H₃ receptor antagonists, iodophenpropit and thioperamide: an interaction with the 5-HT₃ receptor revealed, 116, 2315
- Intestine, rat, Functional characterization of the adenosine receptor mediating inhibition of intestinal secretion, 114, 152
- Functional characterization of the adenosine receptor mediating inhibition of peristalsis in the rat jejunum, 115, 739
- Intimal thickening, Role of endothelium in the human uterine arteries during normal menstrual cycle, 114, 902
- Intracellular adhesion molecule 1 (ICAM-1), Modulation of mite antigen-induced immune responses by lecithin-bound iodine in peripheral blood lymphocytes from patients with bronchial asthma, 115, 1141
- Intrinsic activity, Extended concentration-response curves used to reflect full agonist efficacies and receptor occupancy-response coupling ranges, 115, 745
- Inward rectification, Modulation of the isoprenaline-induced membrane hyperpolarization of mouse skeletal muscle cells, 116, 2881
- Iodine, lecithin-bound, Modulation of mite antigen-induced immune responses by lecithin-bound iodine in peripheral blood lymphocytes from patients with bronchial asthma, 115, 1141
- 2-[¹²⁵I]-Iodomelatonin, Structural requirements at the melatonin receptor,
- **Iodophenpropit**, Evaluation of the receptor selectivity of the H₃ receptor antagonists, iodophenpropit and thioperamide: an interaction with the 5-HT₃ receptor revealed, 116, 2315
- [125]-Iodophenpropit, Interaction of clozapine with the histamine H₃ receptor in rat brain, 114, 1523
- Ion channels, Actions of the novel neuroprotective agent, lifarizine (RS-87476), on voltage-dependent sodium currents in the neuroblastoma cell line, N1E-115, 114, 1738
- Antinociceptive activity of the tachykinin NK₁ receptor antagonist, CP-99,994, in conscious gerbils, 116, 1937
- Differential modulation of voltage-activated conductances by intracellular and extracellular cyclic nucleotides in leech salivary glands, 116, 1849
- The effects of temperature on the interactions between volatile general anaesthetics and a neuronal nicotinic acetylcholine receptor, 116, 2949
- The interaction of trichloroethanol with murine recombinant 5-HT₃ receptors, 114, 1641
- Ionic currents and inhibitory effects of glibenclamide in seminal vesicle smooth muscle cells, 115, 1447
- Ion transport, Berberine inhibition of electrogenic ion transport in rat colon, 116, 2667
- Ion transport, electrogenic, Modulation of epidermal growth factor effects on epithelial ion transport by intestinal trefoil factor, 115, 77
- Ion transport, epithelial, Functional characterization of receptors with affinity for PYY, NPY, [Leu³¹,Pro³⁴]NPY and PP in a human colonic epithelial cell line, 116, 2673
- Ion transport, transepithelial, Regulation of transepithelial ion transport by two different purinoceptors in the apical membrane of canine kidney (MDCK) cells, 114, 1052
- Ipratropium, Contribution of a cholinergic reflex mechanism to allergeninduced bronchial hyperreactivity in permanently instrumented, unrestrained guinea-pigs, 114, 414
- Iris, Characterization of muscarinic receptors mediating relaxation and contraction in the rat iris dilator muscle, 114, 769
- Pertussis toxin-sensitive muscarinic relaxation in the rat iris dilator muscle, 114, 777
- Iris dilator muscle, Cross talk between receptors mediating contraction and relaxation in the arterioles but not the dilator muscle of the rat iris, 115, 828
- Iris sphincter, Inhibition of bradykinin-evoked trigeminal nerve stimulation by the non-peptide bradykinin ${\bf B}_2$ receptor antagonist WIN

- 64338 in vivo and in vitro, 116, 3164
- IRL 1620, Acute pro-inflammatory actions of endothelin-1 in the guineapig lung: involvement of ET_A and ET_B receptors, 115, 227
- Effects of the ET_A/ET_B receptor antagonist, bosentan on endothelin-1induced myocardial ischaemia and oedema in the rat, 116, 1745
- Evidence for ET_A and ET_B receptors in rat skin and an investigation of their function in the cutaneous microvasculature, 115, 840
- Ischaemia, Effect of enalaprilat on bradykinin and des-Arg⁹-bradykinin release following reperfusion of the ischaemic rat heart, 115, 476
- Effects of nicorandil on the recovery of reflex potentials after spinal cord ischaemia in cats. 116, 1815
- An endogenous protectant effect of cardiac cyclic GMP against reperfusion-induced ventricular fibrillation in the rat heart, 116, 2923
- Improved survival and reversal of endothelial dysfunction by the 21aminosteroid, U-74389G in splanchnic ischaemia-reperfusion injury in the rat. 115, 395
- Involvement of protein kinase C in the delayed cytoprotection following sublethal ischaemia in rabbit myocardium, 115, 222
- Loss of NADPH-diaphorase containing neurones after reversible focal ischaemia in rats delayed by L-NAME, 116, 2344
- Myocardial and coronary endothelial protective effects of acetylcholine after myocardial ischaemia and reperfusion in rats: role of nitric oxide, 115, 1532
- The protective action of chlormethiazole against ischaemia-induced neurodegeneration in gerbils when infused at doses having little sedative or anticonvulsant activity, 114, 1625
- Ischaemia, cardiac, Differential effects of OPC-18790, amrinone and dobutamine on cardiac function and energy metabolism in the guineappig isolated ischaemic heart, 114, 1090
- Nitroglycerin-induced direct protection of the ischaemic myocardium in isolated working hearts of rats with vascular tolerance to nitroglycerin, 115, 1129
- Ischaemia, cerebral, Actions of the novel neuroprotective agent, lifarizine (RS-87476), on voltage-dependent sodium currents in the neuroblastoma cell line, N1E-115, 114, 1738
- The effect of chlormethiazole on neuronal damage in a model of transient focal ischaemia, 114, 1631
- Neuroprotective efficacy of lifarizine (RS-87476) in a simplified rat survival model of 2 vessel occlusion, 116, 3093
- Neuroprotective profile of lifarizine (RS-87476) in rat cerebrocortical neurones in culture, 114, 1365
- Neuroprotective properties of lifarizine compared with those of other agents in a mouse model of focal cerebral ischaemia, 115, 1425
- Reduction by lifarizine of the neuronal damage induced by cerebral ischaemia in rodents, 115, 1439
- Ischaemia—reperfusion, Polydeoxyribonucleotides and nitric oxide release from guinea-pig hearts during ischaemia and reperfusion, 115, 629
- Ischaemic preconditioning, Endothelin-1-induced reduction of myocardial infarct size by activation of ATP-sensitive potassium channels in a rabbit model of myocardial ischaemia and reperfusion, 116, 2597
- Reduction by prostaglandin E₁ or prostaglandin E₀ of myocardial infarct size in the rabbit by activation of ATP-sensitive potassium channels, 116, 2435
- Islet activating protein, Pertussis toxin-sensitive muscarinic relaxation in the rat iris dilator muscle, 114, 777
- Islets of Langerhans, Effects of type-selective phosphodiesterase inhibitors on glucose-induced insulin secretion and islet phosphodiesterase activity, 115, 1486
- Isoarecolone, Locomotor activation and dopamine release produced by nicotine and isoarecolone in rats, 116, 2097
- **Isobutylmethylxanthine**, Potentiation of P1075-induced K⁺ channel opening by stimulation of adenylate cyclase in rat isolated aorta, 115,
- Isoliquiritigenin, Vasorelaxant effect of isoliquiritigenin, a novel soluble guanylate cyclase activator, in rat aorta, 114, 1587
- **IsoPPADS**, Differentiation by pyridoxal 5-phosphate, PPADS and Iso-PPADS between responses mediated by UTP and those evoked by α,β -methylene-ATP on rat sympathetic ganglia, **114**, 727
- Isoprenaline, Further analysis of the mechanisms underlying the tracheal relaxant action of SCA40, 114, 143

- Inhibition of muscarinic receptor-induced inositol phospholipid hydrolysis by caffeine, β-adrenoceptors and protein kinase C in intestinal smooth muscle. 114, 602
- The involvement of ATP-sensitive potassium channels in β-adrenoceptor-mediated vasorelaxation in the rat isolated mesenteric arterial bed, 115, 607
- Modulation of the isoprenaline-induced membrane hyperpolarization of mouse skeletal muscle cells, 116, 2881
- Relaxant actions of isoprenaline on guinea-pig isolated tracheal smooth muscle, 116, 2738
- Isosorbide, Inhibition of angiogenesis, tumour growth and metastasis by the NO-releasing vasodilators, isosorbide mononitrate and dinitrate, 116, 1829
- Specificity of different organic nitrates to elicit NO formation in rabbit vascular tissues and organs in vivo. 116, 2743
- Isothioureas, Isothioureas: potent inhibitors of nitric oxide synthases with variable isoform selectivity, 114, 510
- Isradipine, Influence of graded changes in vasomotor tone on the carotid arterial mechanics in live spontaneously hypertensive rats, 115, 1235
- IVA, A role for Q type Ca²⁺ channels in neurotransmission in the rat urinary bladder, 116, 1595
- IZP-94005, Effects of IZP-94005 (contignasterol) on antigen-induced bronchial responsiveness in ovalbumin-sensitized guinea-pigs, 115, 1433

J

- JB 9322, JB-9322, a new selective histamine H_2 -receptor antagonist with potent gastric mucosal protective properties, 115, 57
- Jejunum, Effect of UK-84149 on voltage-activated calcium currents of single smooth muscle cells from guinea-pig and rabbit jejunum and rabbit coronary artery, 114, 1657
- Functional characterization of the adenosine receptor mediating inhibition of peristalsis in the rat jejunum, 115, 739
- Induction of nitric oxide synthase and microvascular injury in the rat jejunum provoked by indomethacin, 116, 2286
- Jejunum, rabbit, Acute withdrawal after bremazocine and the interaction between μ and κ -opioid receptors in isolated gut tissues, 114, 1206
- Joint, Mechanism of bradykinin-induced plasma extravasation in the rat knee joint, 115, 641
- Jurkat cells, An EP receptor with a novel pharmacological profile in the T-cell line Jurkat, 115, 1231

K

- Kainate, Inhibition by propofol (2,6 di-isopropylphenol) of the N-methylp-aspartate subtype of glutamate receptor in cultured hippocampal neurones, 116, 1761
- Modulation of excitatory amino acid responses by tachykinins and selective tachykinin receptor agonists in the rat spinal cord, 115, 1005
- Participation of NMDA and non-NMDA excitatory amino acid receptors in the mediation of spinal reflex potentials in rats: an in vivo study, 114, 1193
- Subcellular localization and molecular pharmacology of distinct populations of [³H]-AMPA binding sites in rat hippocampus, 115, 295
- Kallidin, Bradykinin receptors in mouse and rat isolated superior cervical ganglia, 115, 368
- Kallikreins, Effects of Ca²⁺ channel blockers on cortical hypoperfusion and expression of c-Fos-like immunoreactivity after cortical spreading depression in rats. 115, 1359
- Kallikrein rK10-induced kinin-independent, direct activation of NOformation and relaxation of rat isolated aortic rings, 115, 356
- Relationships between kallikrein secretion, kallikrein excretion and βadrenoceptors in kidney cortical slices from neurogenic hypertensive KB 2796 (lomerizine), dogs, 116, 1704
- KC 399, Effect of KC399, a newly synthesized K⁺ channel opener, on acetylcholine-induced electrical and mechanical activities in rabbit tracheal smooth muscle. 115, 1493
- Kelatorphan, Effect of endopeptidase-24.11 inhibitors and C-ANP receptor ligand on responses evoked in arterioles of rat cremaster muscle by atrial natriuretic peptide, 116, 3117

Keratinocytes, Release by ultraviolet B (u.v.B) radiation of nitric oxide (NO) from human keratinocytes: a potential role for nitric oxide in erythema production, 114, 1257

- **Ketanserin**, Enhancement by 5-hydroxytryptamine and analogues of desensitization of neuronal and muscle nicotinic receptors expressed in *Xenopus* oocytes, **114**, 1636
- Ketanserin-sensitive depressant actions of 5-HT receptor agonists in the neonatal rat spinal cord, 116, 2647
- **Ketoprofen**, Effects of the novel anti-inflammatory compounds, N-[2-(cyclohexyloxy)-4-nitrophenyl] methanesulphonamide (NS-398) and 5-methanesulphonamido-6-(2,4-difluorothiophenyl)-1-indanone (L-745,337), on the cyclo-oxygenase activity of human blood prostaglandin endoperoxide synthases. **116**, 2429
- Modulation by stereoselective inhibition of cyclo-oxygenase of electromechanical coupling in the guinea-pig isolated renal pelvis, 114, 1149
- Kidney, Assessment of renal dopaminergic system activity during cyclosporine A administration in the rat, 115, 1349
- Assessment of renal dopaminergic system activity in the nitric oxidedeprived hypertensive rat model, 114, 1403
- Functional evidence equating the pharmacologically-defined α_{1A} and cloned α_{1C} -adrenoceptor: studies in the isolated perfused kidney of rat, 115, 283
- In situ hybridization studies of prostacyclin receptor mRNA expression in various mouse organs, 116, 2828
- Relationships between kallikrein secretion, kallikrein excretion and βadrenoceptors in kidney cortical slices from neurogenic hypertensive dogs, 116, 1704
- Renal effects of infusion of rilmenidine and guanabenz in conscious dogs: contribution of peripheral and central nervous system α₂-adrenoceptors, 116, 1557
- RS-45041-190: a selective, high-affinity ligand for I₂ imidazoline receptors, 116, 1737
- Kidney, rat, Renal vasodilatation by dopexamine and fenoldopam due to α_1 -adrenoceptor blockade, 115, 349
- [³H]-RS-45041-190: a selective high-affinity radioligand for I₂ imidazoline receptors, 116, 1729
- Kinase II, calmodulin-dependent, Mechanism of activation of nonselective cation channels by putative M₄ muscarinic receptor in guineapig chromaffin cells, 114, 419
- Kinases, Protein kinase A and nicotinic activation of bovine adrenal tyrosine hydroxylase, 114, 1687
- Kininases, Potentiation by aminopeptidase P of blood pressure response to bradykinin, 114, 6
- Kininogen-deficient rats, Comparative study of endotoxin-induced hypotension in kininogen-deficient rats with that in normal rats, 114, 1250
- Kinins, Bradykinin B₁ receptors in the rabbit urinary bladder: induction of responses, smooth muscle contraction, and phosphatidylinositol hydrolysis, 114, 612
- Inhibition of bradykinin-evoked trigeminal nerve stimulation by the non-peptide bradykinin B₂ receptor antagonist WIN 64338 in vivo and in vitro, 116, 3164
- Kallikrein rK10-induced kinin-independent, direct activation of NOformation and relaxation of rat isolated aortic rings, 115, 356
- Mechanisms of bradykinin-induced contraction of the guinea-pig gallbladder in vitro, 114, 1549
- Pharmacological characterization of bradykinin receptors in canine cultured tracheal smooth muscle cells, 114, 67
- Kinin receptors, Endothelium-dependent relaxation to the B₁ kinin receptor agonist des-Arg⁹-bradykinin in human coronary arteries, 116, 3083
- Inhibition of bradykinin-evoked trigeminal nerve stimulation by the non-peptide bradykinin B₂ receptor antagonist WIN 64338 in vivo and in vitro, 116, 3164
- Regulation of kinin-induced contraction and DNA synthesis by inflammatory cytokines in the smooth muscle of the rabbit aorta, 116, 1673

L

L 362855, Further evidence from functional studies for somatostatin receptor heterogeneity in guinea-pig isolated ileum, vas deferens and

right atrium, 115, 975

- L 365260, The use of receptor desensitization to analyse CCK_A and CCK_B/gastrin receptors coupled to contraction in guinea-pig stomach muscle, 114, 339
- L 745337, Effects of the novel anti-inflammatory compounds, N-[2-(cyclohexyloxy)-4-nitrophenyl] methanesulphonamide (NS-398) and 5-methanesulphonamido-6-(2,4-difluorothiophenyl)-1-indanone (L-745,337), on the cyclo-oxygenase activity of human blood prostaglandin endoperoxide synthases, 116, 2429
- Lactate, Attenuation by creatine of myocardial metabolic stress in Brattleboro rats caused by chronic inhibition of nitric oxide synthase, 116, 3288
- Langendorff's preparation, Differential effects of OPC-18790, amrinone and dobutamine on cardiac function and energy metabolism in the guinea-pig isolated ischaemic heart, 114, 1090
- Lavendustin, Suppression of VEGF-induced angiogenesis by the protein tyrosine kinase inhibitor, lavendustin A, 114, 262
- Lens, Lens opacification by antioestrogens: tamoxifen vs ICI 182,780, 115, 1347
- Leucine, Alterations of insulin response to different β cell secretagogues and pancreatic vascular resistance induced by N^{ω} -nitro-L-arginine methyl ester, 116, 1965
- Leukocytes, NPC 15669-modulated human polymorphonuclear neutrophil functional responsiveness: effects on receptor-coupled signal transduction, 114, 1694
- Platelet-activating factor: the effector of protein-rich plasma extravasation and nitric oxide synthase induction in rat immune complex peritonitis, 114, 895
- Leukocytes, peritoneal, Glucocorticoid-induced annexin 1 secretion by monocytes and peritoneal leukocytes, 115, 1043
- Leukocytes, polymorphonuclear, Enhancing and inhibitory effects of nitric oxide on superoxide anion generation in human polymorphonuclear leukocytes, 115, 1302
- Leukocyte adhesion, Microvascular mechanisms of histamine-induced potentiation of leukocyte adhesion evoked by chemoattractants, 116, 3175
- Leukotrienes, The promotion of patent airways and inhibition of antigeninduced bronchial obstruction by endogenous nitric oxide, 116, 2957
- Leukotriene B₄, Microvascular mechanisms of histamine-induced potentiation of leukocyte adhesion evoked by chemoattractants, 116, 3175
- Leukotriene receptors, Leukotriene receptors on human pulmonary vascular endothelium, 115, 1382
- Leveromakalim, Cellular localization of the inhibitory action of relaxin against uterine spasm, 116, 3028
- Effects of BRL55834 in rat portal vein and bovine trachea: evidence for the induction of a glibenclamide-resistant, ATP-sensitive potassium current, 115, 1027
- Further analysis of the mechanisms underlying the tracheal relaxant action of SCA40, 114, 143
- Inhibition of delayed rectifier K⁺-current by levcromakalim in single intestinal smooth muscle cells: effects of cations and dependence on K⁺-flux, 114, 391
- The involvement of ATP-sensitive potassium channels and adenosine in the regulation of coronary flow in the isolated perfused rat heart, 116, 3068
- Levosimendan, Cardiovascular effects of the calcium sensitizer, levosimendan, in heart failure induced by rapid pacing in the presence of aortic constriction, 114, 656
- Lifarizine (RS-87476), Actions of the novel neuroprotective agent, lifarizine (RS-87476), on voltage-dependent sodium currents in the neuroblastoma cell line, N1E-115, 114, 1738
- [³H]-Lifarizine, a high affinity probe for inactivated sodium channels, 115, 1103
- Neuroprotective efficacy of lifarizine (RS-87476) in a simplified rat survival model of 2 vessel occlusion, 116, 3093
- Neuroprotective profile of lifarizine (RS-87476) in rat cerebrocortical neurones in culture, 114, 1365
- Neuroprotective properties of lifarizine compared with those of other agents in a mouse model of focal cerebral ischaemia, 115, 1425
- Reduction by lifarizine of the neuronal damage induced by cerebral

- ischaemia in rodents, 115, 1439
- Ligand binding, [3H]-lifarizine, a high affinity probe for inactivated sodium channels, 115, 1103
- Evidence that [³H]-α,β-methylene ATP may label an endothelialderived cell line 5'-nucleotidase with high affinity, 115, 767
- Linopirdine, Reduction of spike frequency adaptation and blockade of Mcurrent in rat CA1 pyramidal neurones by linopirdine (DuP 996), a neurotransmitter release enhancer, 115, 1163
- Lipid peroxidation, Improved survival and reversal of endothelial dysfunction by the 21-aminosteroid, U-74389G in splanchnic ischaemiareperfusion injury in the rat, 115, 395
- Lipocortin 1, Glucocorticoid-induced annexin 1 secretion by monocytes and peritoneal leukocytes, 115, 1043
- Lipopolysaccharides, Cardiac and regional haemodynamics, inducible nitric oxide synthase (NOS) activity, and the effects of NOS inhibitors in conscious, endotoxaemic rats, 116, 2005
- Comparative study of endotoxin-induced hypotension in kininogendeficient rats with that in normal rats, 114, 1250
- The contribution of tumour necrosis factor-α and endothelin-1 to the increase of coronary resistance in hearts from rats treated with endotoxin, 116, 3309
- Cytokine-mediated induction of cyclo-oxygenase-2 by activation of tyrosine kinase in bovine endothelial cells stimulated by bacterial lipopolysaccharide, 115, 401
- Delayed circulatory failure due to the induction of nitric oxide synthase by lipoteichoic acid from Staphylococcus aureus in anaesthetized rats, 114, 1317
- Effect of endotoxin on the angiotensin II receptor in cultured vascular smooth muscle cells, 116, 2524
- Effects of macrophage depletion on the induction of histidine decarboxylase by lipopolysaccharide, interleukin 1 and tumour necrosis factor, 114, 187
- Enhancement of the haemodynamic effects of N^G-monomethyl-Larginine by transforming growth factor-β₁ in conscious, normal, but not endotoxaemic, rats, 116, 3042
- Enhancement of the hypotensive and vasodilator effects of endotoxaemia in conscious rats by the endothelin antagonist, SB 209670, 116, 1718
- Glibenclamide-induced inhibition of the expression of inducible nitric oxide synthase in cultured macrophages and in the anaesthetized rat, 114, 1273
- Group B Streptococcus and E. coli LPS-induced NO-dependent hyporesponsiveness to noradrenaline in isolated intrapulmonary arteries of neonatal piglets, 115, 261
- Induction of L-arginine transport and nitric oxide synthase in vascular smooth muscle cells: synergistic actions of pro-inflammatory cytokines and bacterial lipopolysaccharide, 116, 3243
- Lack of effect of TNF antibodies on the cardiovascular sequelae of lipopolysaccharide infusion in conscious rats, 116, 2487
- The multiple organ dysfunction syndrome caused by endotoxin in the rat: attenuation of liver dysfunction by inhibitors of nitric oxide synthase, 116, 2845
- Protein kinase C and tyrosine kinase pathways regulate lipopolysaccharide-induced nitric oxide synthase activity in RAW 264.7 murine macrophages, 114, 482
- Regulation of prostaglandin production by nitric oxide; an in vivo analysis. 114, 1171
- The in vivo effect of lipopolysaccharide on the spontaneous release of transmitter from motor nerve terminals, 116, 1757
- Lipoproteins, Effect of crilvastatin, a new cholesterol lowering agent, on unesterified LDL-cholesterol metabolism into bile salts by rat isolated henatocytes. 114. 624
- Effect of inhibition of nitric oxide synthesis on the uptake of LDL and fibrinogen by arterial walls and other organs of the rat, 114, 1490
- Prevention by α-tocopherol and rutin of glutathione and ATP depletion induced by oxidized LDL in cultured endothelial cells, 116, 1985
- Lipoteichoic acid, Delayed circulatory failure due to the induction of nitric oxide synthase by lipoteichoic acid from *Staphylococcus aureus* in anaesthetized rats, 114, 1317
- Lithium, Absence of a losartan interaction with renal lithium excretion in the rat, 116, 2166

- Ramipril-induced decrease in renal lithium excretion in the rat, 116, 2161
- Litoxetine, The interaction of antidepressant drugs with central and peripheral (enteric) 5-HT₃ and 5-HT₄ receptors, 114, 1017
- Liver, The effects of phenelzine and other monoamine oxidase inhibitor antidepressants on brain and liver I₂ imidazoline-preferring receptors, 114, 837
- The inhibition of CYP enzymes in mouse and human liver by pilocarpine, 114, 832
- Selective modification of rat hepatic microsomal fatty acid chain elongation and desaturation by fibrates: relationship with peroxisome proliferation, 114, 1351
- Liver, rabbit, Two distinct α_1 -adrenoceptor subtypes in rabbit liver: a binding study, 116, 2591
- Liver, rat, Differential effects of fibrates on the acyl composition of microsomal phospholipids in rats, 116, 2067
- Local anaesthetics, Effects of besipirdine at the voltage-dependent sodium channel, 116, 2468
- Locomotion, Comparative behavioural profile of centrally administered tachykinin NK₁, NK₂ and NK₃ receptor agonists in the guinea-pig, 116, 2496
- Desensitization of the nicotine-induced mesolimbic dopamine responses during constant infusion with nicotine, 114, 454
- Locomotor activation and dopamine release produced by nicotine and isoarecolone in rats, 116, 2097
- Locus coeruleus, Characterization of acute homologous desensitization of μ-opioid receptor-induced currents in locus coeruleus neurones, 115, 925
- Long-term depression, Induction of a novel form of hippocampal longterm depression by muscimol: involvement of GABA_A but not glutamate receptors, 115, 527
- Long-term potentiation, Prevention by the cannabinoid antagonist, SR141716A, of cannabinoid-mediated blockade of long-term potentiation in the rat hippocampal slice, 115, 869
- Subcellular localization and molecular pharmacology of distinct populations of [³H]-AMPA binding sites in rat hippocampus, 115, 295
- Long-term stimulation, Characterization of nitrergic neurotransmission during short- and long-term electrical stimulation of the rabbit ano-coccygeus muscle, 115, 1149
- Loperamide, Unexpected prosecretory action component of loperamide at μ-opioid receptors in the guinea-pig colonic mucosa *in vitro*, **114**, 739
- Losartan, Absence of a losartan interaction with renal lithium excretion in the rat, 116, 2166
- Comparative effects of angiotensin II and its degradation products angiotensin III and angiotensin IV in rat aorta, 116, 2963
- Comparison of the transplacental transfer of enalapril, captopril and losartan in sheep, 114, 1495
- Evidence for the involvement of different receptor subtypes in the preand postjunctional actions of angiotensin II at rat sympathetic neuroeffector sites, 114, 1057
- Functional interaction between losartan and central tachykinin NK₃ receptors in the conscious rat, 114, 1563
- Haemodynamic effects of losartan and the endothelin antagonist, SB 209670, in conscious, transgenic ((mRen-2)27), hypertensive rats, 116, 2237
- Lack of a centrally-mediated antihypertensive effect following acute or chronic central treatment with AT₁-receptor antagonists in spontaneously hypertensive rats, 116, 3181
- Lack of involvement of bradykinin in the vascular sympathoinhibitory effects of angiotensin converting enzyme inhibitors in spontaneously hypertensive rats, 116, 2229
- Mechanisms of angiotensin II chronotropic effect in anaesthetized dogs, 115, 795
- Pharmacology of LR-B/081, a new highly potent, selective and orally active, nonpeptide angiotensin II AT₁ receptor antagonist, 114, 1117
- Species-related differences in inotropic effects of angiotensin II in mammalian ventricular muscle: receptors, subtypes and phosphoinositide hydrolysis, 114, 447
- LR-B/081, Pharmacology of LR-B/081, a new highly potent, selective and orally active, nonpeptide angiotensin II AT₁ receptor antagonist, 114, 1117

Lung, Acute pro-inflammatory actions of endothelin-1 in the guinea-pig lung: involvement of ET_A and ET_B receptors, 115, 227

- Conversion of inhaled nitric oxide to nitrate in man, 114, 1621
- 5-HT₂-mediated bronchial responses after syngeneic lung transplantation in the rat, 114, 1428
- Induction of calcium-independent nitric oxide synthase by allergen challenge in sensitized rat lung in vivo, 116, 2545
- Long-term carbachol treatment-induced down-regulation of muscarinic M₂-receptors but not m₂ receptor mRNA in a human lung cell line, 116, 2027
- Lung, human, Receptors for endothelin-1 in asthmatic human peripheral lung, 114, 1
- Lung, rat, Actions of endothelins and sarafotoxin 6c in the rat isolated perfused lung, 115, 653
- Lung parenchyma, Pharmacological evidence for a single bradykinin B_2 receptor in the guinea-pig, 116, 2106
- Lung surfactant factor, Dose-response comparisons of five lung surfactant factor (LSF) preparations in an animal model of adult respiratory distress syndrome (ARDS), 115, 451
- Lymphoblasts, Interaction between methotrexate and indomethacin on a human normal haemopoietic cell line, 114, 715
- Lymphocytes, In situ hybridization studies of prostacyclin receptor mRNA expression in various mouse organs, 116, 2828
- Modulation of mite antigen-induced immune responses by lecithinbound iodine in peripheral blood lymphocytes from patients with bronchial asthma, 115, 1141
- Lymphocytes, human, An EP receptor with a novel pharmacological profile in the T-cell line Jurkat, 115, 1231
- [Lys⁷]-Dermorphin, Production of antinociception by peripheral administration of [Lys⁷]dermorphin, a naturally occurring peptide with high affinity for μ-opioid receptors, 114, 57
- Lysophosphatidylcholine, Evidence for selective inhibition by lysophosphatidylcholine of acetylcholine-induced endothelium-dependent hyperpolarization and relaxation in rat mesenteric artery, 116, 1541

M

- m-CPP, Meta-chlorophenylpiperazine attenuates formalin-induced nociceptive responses through 5-HT_{1/2} receptors in both normal and diabetic mice, 116, 3133
- M-currents, Inhibition by wortmannin of M-current in bullfrog sympathetic neurones, 114, 489
- Reduction of spike frequency adaptation and blockade of M-current in rat CA1 pyramidal neurones by linopirdine (DuP 996), a neurotransmitter release enhancer, 115, 1163
- Macrophages, Acute pro-inflammatory actions of endothelin-1 in the guinea-pig lung: involvement of ET_A and ET_B receptors, 115, 227
- Co-induction of nitric oxide synthase and cyclo-oxygenase: interactions between nitric oxide and prostanoids, 114, 1335
- Effects of macrophage depletion on the induction of histidine decarboxylase by lipopolysaccharide, interleukin 1 and tumour necrosis factor, 114, 187
- Enhancement by cyclo-oxygenase inhibitors of platelet-activating factor production in thapsigargin-stimulated macrophages, 116, 2141
- Enhancing effect of staurosporine on NO production in rat peritoneal macrophages via a protein kinase C-independent mechanism, 116, 1711
- GABA-mediated inhibition of the anaphylactic response in the guineapig trachea, 115, 389
- Glibenclamide-induced inhibition of the expression of inducible nitric oxide synthase in cultured macrophages and in the anaesthetized rat, 114, 1273
- Protein kinase C and tyrosine kinase pathways regulate lipopolysaccharide-induced nitric oxide synthase activity in RAW 264.7 murine macrophages, 114, 482
- Macrophages, peritoneal, Prostaglandin E_2 requirement for transforming growth factor β_1 inhibition of elicited macrophage 14 kDa phospholipase A_2 release, 116, 2575
- Magnesium, Dietary calcium and magnesium supplements in spontaneously hypertensive rats and isolated arterial reactivity, 115, 1455
- Time-dependent fading of the activation of K_{ATP} channels, induced by

aprikalim and nucleotides, in excised membrane patches from cardiac myocytes, 115, 117

- Magnetic resonance spectrometry, Differential effects of OPC-18790, amrinone and dobutamine on cardiac function and energy metabolism in the guinea-pig isolated ischaemic heart, 114, 1090
- Manganese, Effects of 8-bromo cyclic GMP and verapamil on depolarization-evoked Ca²⁺ signal and contraction in rat aorta, 114, 1731
- Mast cells, Blockade of mast cell histamine secretion in response to neurotensin by SR 48692, a nonpeptide antagonist of the neurotensin brain receptor, 114, 1466
- GABA-mediated inhibition of the anaphylactic response in the guineapig trachea, 115, 389
- Inhibition by cromoglycate and some flavonoids of nucleoside diphosphate kinase and of exocytosis from permeabilized mast cells, 115, 1080
- Mast cell degranulation, A role for mast cells in adenosine A₃ receptormediated hypotension in the rat, 115, 945
- Mastoparan, Effects of mastoparan upon the late stages of the ACTH secretory pathway of AtT-20 cells, 115, 696
- Mastoparan-induced phosphatidylcholine hydrolysis by phospholipase
 D activation in human astrocytoma cells, 116, 2090
- MDCK cells, Regulation of transepithelial ion transport by two different purinoceptors in the apical membrane of canine kidney (MDCK) cells, 114, 1052
- Mecamylamine, Central cardiovascular effects of acetylcholine in the conscious dog, 116, 2175
- Mechanotransduction, Pharmacology of stretch-activated K channels in Lymnaea neurones, 114, 180
- Medetomidine, Contrasting effects of the imidazol(in)e α₂-adrenoceptor agonists, medetomidine, clonidine and UK 14,304 on extraneuronal levels of noradrenaline in the rat frontal cortex: evaluation using *in vivo* microdialysis and synaptosomal uptake studies, 114, 1717
- Mefenamic acid, Comparison of the effects of fenamates on Ca-activated chloride and potassium currents in rabbit portal vein smooth muscle cells. 116, 2939
- Long-lasting activation of cation current by low concentration of endothelin-1 in mouse fibroblasts and smooth muscle cells of rabbit aorta. 115, 479
- Megakaryocytes, In situ hybridization studies of prostacyclin receptor mRNA expression in various mouse organs. 116, 2828
- Melatonin receptors, Structural requirements at the melatonin receptor, 114, 618
- Melittin, Involvement of B₂ receptors in the bradykinin-induced relaxation of guinea-pig isolated trachea, 114, 103
- Memantine, Modulation of NMDA effects on agonist-stimulated phosphoinositide turnover by memantine in neonatal rat cerebral cortex, 114, 797
- Membrane potential, Effect of 5-hydroxytryptamine on the membrane potential of endothelial and smooth muscle cells in the pig coronary artery, 115, 95
- Modulation of the isoprenaline-induced membrane hyperpolarization of mouse skeletal muscle cells, 116, 2881
- Memory, Role of nitric oxide in learning and memory and in monoamine metabolism in the rat brain, 115, 852
- Meningeal afferents, Increase of meningeal blood flow after electrical stimulation of rat dura mater encephali: mediation by calcitonin generelated peptide, 114, 1397
- Menstrual cycle, Role of endothelium in the human uterine arteries during normal menstrual cycle, 114, 902
- [³H]-Mepyramine, Characteristics of the binding of [³H]-mepyramine to intact human U373 MG astrocytoma cells: evidence for histamine-induced H₁-receptor internalisation, 116, 2715
- Mesenteric arterial bed, The involvement of ATP-sensitive potassium channels in β-adrenoceptor-mediated vasorelaxation in the rat isolated mesenteric arterial bed, 115, 607
- Modulation by nicotinamide adenine dinucleotide of sympathetic and sensory-motor neurotransmission via P₁-purinoceptors in the rat mesenteric arterial bed, 114, 1541
- Mesenteric arteries, Haemostatic mechanism in the endometrium: role of cyclo-oxygenase products and coagulation factors, 114, 975

- Mesenteric circulation, Characterization of receptors for kinins and neurokinins in the arterial and venous mesenteric vasculatures of the guinea-pig, 115, 1319
- Rapid degradation of endothelin-1 by an enzyme released by the rat isolated perfused mesentery, 114, 867
- Mesenteric vascular bed, Contribution of P₁-(A_{2b} subtype) and P₂-purinoceptors to the control of vascular tone in the rat isolated mesenteric arterial bed, 115, 648
- Mesentery, perfused, Characterization of α_1 -adrenoceptors mediating vasoconstriction to noradrenaline and nerve stimulation in the isolated perfused mesentery of rat, 114, 531
- Metabolic inhibitors, Activation by intracellular GDP, metabolic inhibition and pinacidil of a glibenclamide-sensitive K-channel in smooth muscle cells of rat mesenteric artery, 114, 662
- Metabolism, Extrahepatic metabolism of frusemide in anaesthetized rabbits, 116, 2407
- Metabotropic glutamate receptors, Characterization of metabotropic glutamate receptor-stimulated phosphoinositide hydrolysis in rat cultured cerebellar granule cells, 116, 2824
- Induction of a novel form of hippocampal long-term depression by muscimol: involvement of GABA_A but not glutamate receptors, 115, 527
- Modulation of NMDA effects on agonist-stimulated phosphoinositide turnover by memantine in neonatal rat cerebral cortex, 114, 797
- Pharmacology of postsynaptic metabotropic glutamate receptors in rat hippocampal CA1 pyramidal neurones, 116, 1859
- Metabotropic glutamate receptor agonists, Pharmacology of postsynaptic metabotropic glutamate receptors in rat hippocampal CA1 pyramidal neurones, 116, 1859
- Metabotropic glutamate receptor antagonists, Pharmacology of postsynaptic metabotropic glutamate receptors in rat hippocampal CA1 pyramidal neurones, 116, 1859
- Metalloporphyrins, Inhibition by zinc protoporphyrin-IX of receptormediated relaxation of the rat aorta in a manner distinct from inhibition of haem oxygenase, 115, 186
- Pharmacological identification of different inhibitor mediators involved in the innervation of the internal anal sphincter, 115, 158
- Metastasis, Inhibition of angiogenesis, tumour growth and metastasis by the NO-releasing vasodilators, isosorbide mononitrate and dinitrate, 116, 1829
- Metformin, Effects of metformin treatment on glucose transporter proteins in subcellular fractions of skeletal muscle in (fa/fa) Zucker rats, 115, 1182
- Methacholine, Contribution of a cholinergic reflex mechanism to allergen-induced bronchial hyperreactivity in permanently instrumented, unrestrained guinea-pigs, 114, 414
- Methoctramine, In vitro characterization of tripitramine, a polymethylene tetraamine displaying high selectivity and affinity for muscarinic M₂ receptors, 114, 1507
- Methotrexate, The effect of folate on the methotrexate/indomethacin interaction in a murine cancer cell line, 116, 1809
- Interaction between methotrexate and indomethacin on a human normal haemopoietic cell line, 114, 715
- 2-Methoxy verapamil, Inhibition of muscarinic receptor-induced inositol phospholipid hydrolysis by caffeine, β-adrenoceptors and protein kinase C in intestinal smooth muscle, 114, 602
- 3-O-Methyl dopa, Effects of 3-O-methyl dopa on L-dopa-facilitated synthesis and efflux of dopamine from rat striatal slices, 116, 2637
- 2-Methyl 5-HT, Effects of 5-HT receptor agonists on depolarizationinduced [³H]-noradrenaline release in rabbit hippocampus and human neocortex, 116, 1769
- 5-Methyl-urapidil, Characterization of α_1 -adrenoceptor subtypes in tension response of human prostate to electrical field stimulation, 115, 142.
- Characterization of α_1 -adrenoceptors mediating vasoconstriction to noradrenaline and nerve stimulation in the isolated perfused mesentery of rat, 114, 531
- Evidence for a functional α_{1A}-(α_{1C}-) adrenoceptor mediating contraction of the rat epididymal vas deferens and an α_{1B}-adrenoceptor mediating contraction of the rat spleen, 115, 467
- Functional evidence equating the pharmacologically-defined α_{1A} and

97

- cloned α_{1C} -adrenoceptor: studies in the isolated perfused kidney of rat, 115. 283
- Investigation of the actions of chloroethylclonidine in rat aorta, 115, 1399
- Mediation of noradrenaline-induced contractions of rat aorta by the α_{1B} -adrenoceptor subtype, 114, 745
- Noradrenaline contractions of human prostate mediated by α_{1A} (α_{1C})adrenoceptor subtype, 115, 781
- N-Methylamitriptyline, Potent block of potassium currents in rat isolated sympathetic neurones by the uncharged form of amitriptyline and related tricyclic compounds, 116, 2191
- 3,4-Methyldioxyamphetamine, The hyperthermic and neurotoxic effects of 'Ecstasy' (MDMA) and 3,4-methylenedioxyamphetamine (MDA) in the Dark Agouti (DA) rat, a model of the CYP2D6 poor metabolizer phenotype, 115, 1281
- α,β-Methylene ADP, Evidence that [³H]-α,β-methylene ATP may label an endothelial-derived cell line 5'-nucleotidase with high affinity, 115, 767
- Inhibitory action of PPADS on relaxant responses to adenine nucleotides or electrical field stimulation in guinea-pig taenia coli and rat duodenum. 115, 1509
- α,β-Methylene ATP, Contribution of P₂-purinoceptors to neurogenic contraction of rat urinary bladder smooth muscle, 115, 636
- [³H]-α,β-Methylene ATP, Evidence that [³H]-α,β-methylene ATP may label an endothelial-derived cell line 5'-nucleotidase with high affinity, 115, 767
- β , γ -Methylene-L-ATP, Vasoconstrictor responses to the P_{2X} -purinoceptor agonist β , γ -methylene-L-ATP in human cutaneous and renal blood vessels, 116, 1932
- Methylene blue, An endogenous protectant effect of cardiac cyclic GMP against reperfusion-induced ventricular fibrillation in the rat heart, 116, 2923
- Possible role of Na⁺-K⁺-ATPase in the regulation of human corpus cavernosum smooth muscle contractility by nitric oxide, 116, 2201
- Vascular pharmacology of methylene blue in vitro and in vivo: a comparison with N^G-nitro-L-arginine and diphenyleneiodonium, 114, 104
- 3,4-Methylenedioxymethamphetamine, The hyperthermic and neurotoxic effects of 'Ecstasy' (MDMA) and 3,4-methylenedioxy-amphetamine (MDA) in the Dark Agouti (DA) rat, a model of the CYP2D6 poor metabolizer phenotype, 115, 1281
- Methylguanidine, Effect of methylguanidine on rat blood pressure: role of endothelial nitric oxide synthase, 115, 510
- [³H]-N^α-Methylhistamine, Differential effect of sodium ions and guanine nucleotides on the binding of thioperamide and clobenpropit to histamine H₂-receptors in rat cerebral cortical membranes. 114, 357
- N-Methyl-D-aspartate, Blockade by sigma site ligands of N-methyl-D-aspartate-evoked responses in rat and mouse cultured hippocampal pyramidal neurones, 116, 2791
- Involvement of endothelin in the pressor response following injection of NMDA to the periaqueductal gray area of rats, 116, 2787
- N^G-Methyl-L-arginine (L-NMMA), Characterization of the effects of two new arginine/citrulline analogues on constitutive and inducible nitric oxide synthases in rat aorta, 115, 491
- The multiple organ dysfunction syndrome caused by endotoxin in the rat: attenuation of liver dysfunction by inhibitors of nitric oxide synthase, 116, 2845
- Methylprednisolone, The effect of glucocorticoids on proliferation of human cultured airway smooth muscle, 116, 3219
- 2-Methylthio-ATP, Actions of ADP, but not ATP, on cytosolic free Ca²⁺ in single rat hepatocytes mimicked by 2-methylthioATP, 116, 1979
- ATP, a partial agonist of atypical P_{2Y} purinoceptors in rat brain microvascular endothelial cells, 115, 1199
- Inhibitory action of PPADS on relaxant responses to adenine nucleotides or electrical field stimulation in guinea-pig taenia coli and rat duodenum, 115, 1509
- A novel P₂-purinoceptor expressed by a subpopulation of astrocytes from the dorsal spinal cord of the rat, 116, 2909
- S-Methyl-L-thiocitrulline, Characterization of the effects of two new arginine/citrulline analogues on constitutive and inducible nitric oxide synthases in rat aorta, 115, 491

- 5-Methylurapidil, α_{1A}-Adrenoceptor-mediated contractile responses of the human vas deferens, 116, 1605
- Methysergide, Effects of U46619 on contractions to 5-HT, sumatriptan and methysergide in canine coronary artery and saphenous vein *in vitro*, 116, 2183
- Mexiletine, Electrocardiographic interactions between pinacidil, a potassium channel opener and class I antiarrhythmic agents in guineapig isolated perfused heart, 114, 1745
- Mexiletine-induced shortening of the action potential duration of ventricular muscles by activation of ATP-sensitive K⁺ channels, 115, 381
- MF-2 cells, Regulation of histamine- and UTP-induced increases in Ins(1,4,5)P₃, Ins (1,3,4,5)P₄ and Ca²⁺ by cyclic AMP in DDT₁ MF-2 cells, 114, 383
- Microcirculation, Microvascular mechanisms of histamine-induced potentiation of leukocyte adhesion evoked by chemoattractants, 116, 3175
- Microdialysis, Application of intracerebral microdialysis to study regional distribution kinetics of drugs in rat brain, 116, 2538
- Cholinoceptor-mediated effects on glycerol output from human adipose tissue using in situ microdialysis, 115, 1155
- Contrasting effects of the imidazol(in)e α₂-adrenoceptor agonists, medetomidine, clonidine and UK 14,304 on extraneuronal levels of noradrenaline in the rat frontal cortex: evaluation using *in vivo* microdialysis and synaptosomal uptake studies, 114, 1717
- Differential effects of potassium channel blockers on extracellular concentrations of dopamine and 5-HT in the striatum of conscious rats, 116, 3260
- The effect of morphine on formalin-evoked behaviour and spinal release of excitatory amino acids and prostaglandin E₂ using microdialysis in conscious rats, 114, 1069
- Further evidence of anticonvulsant role for 5-hydroxytryptamine in genetically epilepsy-prone rats, 115, 1314
- 5-HT₃ receptor agonist induced carrier-mediated release of dopamine in rat striatum in vivo, 116, 1545
- Increase of noradrenaline release in the hypothalamus of freely moving rat by postsynaptic 5-hydroxytryptamine_{1A} receptor activation, 115, 703
- Increased striatal dopamine efflux in vivo following inhibition of cerebral nitric oxide synthase by the novel monosodium salt of 7-nitro indazole, 114, 257
- Interaction between a selective 5-HT_{1A} receptor antagonist and an SSRI in vivo: effects on 5-HT cell firing and extracellular 5-HT, 115, 1064
- NMDA-induced glutamate and aspartate release from rat cortical pyramidal neurones: evidence for modulation by a 5-HT_{1A} antagonist, 115, 1169
- Relationship between morphine analgesia and cortical extracellular fluid levels of morphine and its metabolites in the rat: a microdialysis study, 116, 3205
- The use of microdialysis for the study of drug kinetics: some methodological considerations illustrated with antipyrine in rat frontal cortex, 115, 503
- Microsomal enzymes, The inhibition of CYP enzymes in mouse and human liver by pilocarpine, 114, 832
- Microvasculature, Interaction of human adrenomedullin₁₃₋₅₂ with calcitonin gene-related peptide receptors in the microvasculature of the rat and hamster, 114, 592
- Microvasculature, cutaneous, Evidence for ET_A and ET_B receptors in rat skin and an investigation of their function in the cutaneous microvasculature, 115, 840
- Micturition, Activation of the micturition reflex by NK₂ receptor stimulation in the anaesthetized guinea-pig, 115, 875
- Pharmacological analysis of the local and reflex responses to bradykinin on rat urinary bladder motility in vivo, 114, 708
- Midazolam, Effect of the NMDA-antagonist, MK 801, on benzodiazepine-opioid interactions at the spinal and supraspinal level in rats, 114, 1097
- Migraine, Attenuation by valproate of c-fos immunoreactivity in trigeminal nucleus caudalis induced by intracisternal capsaicin, 116, 3199
- The effect of nitric oxide donors on haemodynamics and blood flow distribution in the porcine carotid circulation, 114, 1303
- Effects of Ca²⁺ channel blockers on cortical hypoperfusion and

expression of c-Fos-like immunoreactivity after cortical spreading depression in rats, 115, 1359

- Peripheral GABA_A receptor-mediated effects of sodium valproate on dural plasma protein extravasation to substance P and trigeminal stimulation, 116, 1661
- The pharmacology of GR203040, a novel, potent and selective nonpeptide tachykinin NK₁ receptor antagonist, 116, 3149
- Suppression by the sumatriptan analogue, CP-122,288 of c-fos immunoreactivity in trigeminal nucleus caudalis induced by intracisternal capsaicin, 114, 987
- Miniature endplate potential, The *in vivo* effect of lipopolysaccharide on the spontaneous release of transmitter from motor nerve terminals, 116, 1757
- Mite antigen, Modulation of mite antigen-induced immune responses by lecithin-bound iodine in peripheral blood lymphocytes from patients with bronchial asthma, 115, 1141
- Mitochondria, Effects of 3-hydroxy-3-methylglutaryl coenzyme A reductase inhibitors on mitochondrial respiration in ischaemic dog hearts, 116, 1894
- Mitogenesis, Stimulation by endothelin-1 of mitogen-activated protein kinases and DNA synthesis in bovine tracheal smooth muscle cells, 116, 2267
- Stimulation of two vascular smooth muscle-derived cell lines by angiotensin II: differential second messenger responses leading to mitogenesis, 115, 361
- MK 801, Inhibition by dizocilpine (MK-801) of striatal dopamine release induced by MPTP and MPP⁺: possible action at the dopamine transporter, 114, 315
- Neuroprotective properties of lifarizine compared with those of other agents in a mouse model of focal cerebral ischaemia, 115, 1425
- Participation of NMDA and non-NMDA excitatory amino acid receptors in the mediation of spinal reflex potentials in rats: an in vivo study, 114, 1193
- MKC 242, Increase of noradrenaline release in the hypothalamus of freely moving rat by postsynaptic 5-hydroxytryptamine_{1A} receptor activation, 115, 703
- Modelling, Deoxyribose analogues of N^6 -cyclopentyladenosine (CPA): partial agonists at the adenosine A_1 receptor in vivo, 116, 1957
- Molecular modelling, Structural requirements at the melatonin receptor, 114, 618
- Molsidomine, Influence of chronic treatment with a nitric oxide donor on fatty streak development and reactivity of the rabbit aorta, 114, 1371
- Monoamine oxidase, Assessment of renal dopaminergic system activity during cyclosporine A administration in the rat, 115, 1349
- Monoamine oxidase inhibitors, The effects of phenelzine and other monoamine oxidase inhibitor antidepressants on brain and liver I₂ imidazoline-preferring receptors, 114, 837
- Monocytes, Effects of the novel anti-inflammatory compounds, N-[2-(cyclohexyloxy)-4-nitrophenyl] methanesulphonamide (NS-398) and 5-methanesulphonamido-6-(2,4-difluorothiophenyl)-1-indanone (L-745,337), on the cyclo-oxygenase activity of human blood prostaglandin endoperoxide synthases, 116, 2429
- Glucocorticoid-induced annexin 1 secretion by monocytes and peritoneal leukocytes, 115, 1043
- Monocyte chemoattractant protein-1, The effect of a synthetic 7-thiaprostaglandin E_1 derivative, TEI-6122, on monocyte chemoattractant protein-1 induced chemotaxis in THP-1 cells, 116, 2298
- Monohydroxyethylrutoside, Monohydroxyethylrutoside as protector against chronic doxorubicin-induced cardiotoxicity, 115, 1260
- N^G-Monomethyl-L-arginine (L-NMMA), Co-induction of nitric oxide synthase and cyclo-oxygenase: interactions between nitric oxide and prostanoids, 114, 1335
- Comparative effects of angiotensin II and its degradation products angiotensin III and angiotensin IV in rat aorta, 116, 2963
- Effects of portal hypertension on responsiveness of rat mesenteric artery and aorta, 114, 791
- Enhancement of the haemodynamic effects of N^G-monomethyl-Larginine by transforming growth factor-β₁ in conscious, normal, but not endotoxaemic, rats, 116, 3042
- Polydeoxyribonucleotides and nitric oxide release from guinea-pig hearts during ischaemia and reperfusion, 115, 629

- Moricizine, Electrophysiological effects of Ro 22-9194, a new antiarrhythmic agent, on guinea-pig ventricular cells, 114, 19
- Morphine, Effect of chronic morphine treatment on transmitter release from sympathetic varicosities of the mouse vas deferens, 116, 2860
- The effect of morphine on formalin-evoked behaviour and spinal release of excitatory amino acids and prostaglandin E₂ using microdialysis in conscious rats, 114, 1069
- Effect of morphine on the nerve terminal impulse and transmitter release from sympathetic varicosities innervating the mouse vas deferens, 116, 2852
- Inhibition of morphine withdrawal by the association of RB 101, an inhibitor of enkephalin catabolism, and the CCK_B antagonist PD-134,308, 114, 1031
- Subgroups among μ-opioid receptor agonists distinguished by ATPsensitive K⁺ channel-acting drugs, 114, 1296
- Morphine addiction, Changes in [3 H]-UK14304 binding to α_{2} -adrenoceptors in morphine-dependent guinea-pigs, 116, 3125
- Morphine metabolites, Relationship between morphine analgesia and cortical extracellular fluid levels of morphine and its metabolites in the rat: a microdialysis study, 116, 3205
- Morphine withdrawal, Suppression of naloxone-precipitated withdrawal jumps in morphine-dependent mice by stimulation of prostaglandin EP₃ receptor, 116, 2661
- 3-Morpholine-sydnonimine (SIN-1), Mediation by prostaglandins of the nitric oxide-induced neurogenic vasodilatation in rat skin, 116, 2365
- Motion sickness, Blockade of motion- and cisplatin-induced emesis by a 5-HT₂ receptor agonist in *Suncus murinus*, 114, 931
- The broad-spectrum anti-emetic activity of the novel non-peptide tachykinin NK₁ receptor antagonist GR203040, 116, 3158
- Motor nerve terminals, Blockade of acetylcholine release at the motor endplate by a polypeptide from the venom of *Phoneutria nigriventer*, 116, 2817
- Motor neurones, Inhibition by riluzole of glycinergic postsynaptic currents in rat hypoglossal motoneurones, 116, 3227
- Moxonidine, Effects of the selective I₁ imidazoline receptor agonist, moxonidine, on gastric secretion and gastric mucosal injury in rats, 114, 751
- The role of the peripheral sympathetic nervous system in the natriuresis following central administration of an I₁ imidazoline agonist, moxonidine, 116, 2631
- MPP⁺, Inhibition by dizocilpine (MK-801) of striatal dopamine release induced by MPTP and MPP⁺: possible action at the dopamine transporter, 114, 315
- MPTP, Inhibition by dizocilpine (MK-801) of striatal dopamine release induced by MPTP and MPP⁺: possible action at the dopamine transporter, 114, 315
- mRNA, Endothelin ET_A and ET_B mRNA and receptors expressed by smooth muscle in the human vasculature: majority of the ET_A sub-type, 114, 1110
- Expression of β₃-adrenoceptor mRNA in rat brain, 116, 2547
- Mucosal protection, JB-9322, a new selective histamine H_2 -receptor antagonist with potent gastric mucosal protective properties, 115, 57
- Multiple organ dysfunction syndrome, The multiple organ dysfunction syndrome caused by endotoxin in the rat: attenuation of liver dysfunction by inhibitors of nitric oxide synthase. 116, 2845
- Muscarine, Mechanism of activation of nonselective cation channels by putative M₄ muscarinic receptor in guinea-pig chromaffin cells, 114, 419
- Muscarinic agonists, Human muscarinic receptors expressed in A9L and CHO cells: activation by full and partial agonists, 114, 1241
- Muscarinic receptors, All-or-none augmentation of Ca²⁺ sensitivity in α-toxin-permeabilized single smooth muscle cells from guinea-pig taenia caecum, 115, 522
- Application of a model to explore interspecies differences in acetylcholine M-receptor-stimulated gastric acid secretion, 115, 961
- Central cardiovascular effects of acetylcholine in the conscious dog, 116, 2175
- Characterization of muscarinic receptors mediating contractions of circular and longitudinal muscle of human isolated colon, 115, 1518
- Characterization of muscarinic receptors mediating relaxation and contraction in the rat iris dilator muscle, 114, 769

- Cholinoceptor-mediated effects on glycerol output from human adipose tissue using in situ microdialysis, 115, 1155
- Effects of GTPγS on muscarinic receptor-stimulated inositol phospholipid hydrolysis in permeabilized smooth muscle from the small intestine, 115, 147
- Endogenous nitric oxide signalling system and the cardiac muscarinic acetylcholine receptor-inotropic response, 115, 1525
- G-protein involvement in muscarinic receptor-stimulation of inositol phosphates in longitudinal smooth muscle from the small intestine of the guinea-pig, 114, 119
- Inhibition of muscarinic receptor-induced inositol phospholipid hydrolysis by caffeine, β -adrenoceptors and protein kinase C in intestinal smooth muscle, 114, 602
- Modulation of NMDA effects on agonist-stimulated phosphoinositide turnover by memantine in neonatal rat cerebral cortex, 114, 797
- Mucosa-dependent muscarinic liberation of prostaglandins from rat isolated trachea, 116, 1991
- Pertussis toxin-sensitive muscarinic relaxation in the rat iris dilator muscle. 114. 777
- Quantitative comparisons of muscarinic and bradykinin receptormediated Ins (1,4,5)P₃ accumulation and Ca²⁺ signalling in human neuroblastoma cells, 114, 1133
- Quinidine blockade of the carbachol-activated nonselective cationic current in guinea-pig gastric myocytes, 115, 1407
- Release of endothelium-derived hyperpolarizing factor (EDHF) by M₃ receptor stimulation in guinea-pig coronary artery, 115, 717
- SD-3212, a new class I and IV antiarrhythmic drug: a potent inhibitor of the muscarinic acetylcholine-receptor-operated potassium current in guinea-pig atrial cells, 116, 2750
- Muscarinic receptors, recombinant, Human muscarinic receptors expressed in A9L and CHO cells: activation by full and partial agonists, 114, 1241
- Muscarinic receptor subtypes, Characterization of muscarinic receptors mediating relaxation and contraction in the rat iris dilator muscle, 114, 769
- In vitro characterization of tripitramine, a polymethylene tetraamine displaying high selectivity and affinity for muscarinic M₂ receptors, 114 1507
- Pertussis toxin-sensitive muscarinic relaxation in the rat iris dilator muscle, 114, 777
- Muscarinic receptor antagonists, Dysfunction of muscarinic M₂ receptors after the early allergic reaction: possible contribution to bronchial hyperresponsiveness in allergic guinea-pigs, 114, 881
- Selective blockade of M₂ and M₃ muscarinic receptors by hexahydrobenzyl-fourdapine and a comparison with zamifenacin, 116, 2897
- Muscarinic M_2 receptors, Characterization of the interaction between muscarinic M_2 receptors and β -adrenoceptor subtypes in guinea-pig isolated ileum, 114, 49
- Dysfunction of muscarinic M₂ receptors after the early allergic reaction: possible contribution to bronchial hyperresponsiveness in allergic guinea-pigs, 114, 881
- In vitro characterization of tripitramine, a polymethylene tetraamine displaying high selectivity and affinity for muscarinic M₂ receptors, 114, 1507
- Long-term carbachol treatment-induced down-regulation of muscarinic M₂-receptors but not m₂ receptor mRNA in a human lung cell line, 116, 2027
- No evidence for a role of muscarinic M₂ receptors in functional antagonism in bovine trachea, 115, 665
- Selective blockade of M₂ and M₃ muscarinic receptors by hexahydrobenzyl-fourdapine and a comparison with zamifenacin, 116, 2897
- Muscarinic M₃ receptors, Characterization of the functional muscarinic receptors in the rat urinary bladder, 116, 2279
- Relationship between agonist binding, phosphorylation and immunoprecipitation of the m₃-muscarinic receptor, and second messenger responses, 116, 1723
- Release of endothelium-derived hyperpolarizing factor (EDHF) by M₃ receptor stimulation in guinea-pig coronary artery, 115, 717
- Selective blockade of M₂ and M₃ muscarinic receptors by hexahydrobenzyl-fourdapine and a comparison with zamifenacin, 116, 2897
- Muscarinic M4 receptors, Mechanism of activation of nonselective

cation channels by putative M_4 muscarinic receptor in guinea-pig chromaffin cells, 114,419

Subject index

- Muscimol, Induction of a novel form of hippocampal long-term depression by muscimol: involvement of GABA_A but not glutamate receptors, 115, 527
- Peripheral GABA_A receptor-mediated effects of sodium valproate on dural plasma protein extravasation to substance P and trigeminal stimulation, 116, 1661
- Muscle, Attenuation by creatine of myocardial metabolic stress in Brattleboro rats caused by chronic inhibition of nitric oxide synthase, 116, 3288
- Muscular dystrophy, Modulation by prednisolone of calcium handling in skeletal muscle cells, 116, 2811
- Myocardial contractility, Inhibition of the centrally induced increases in myocardial oxygen demand in rabbits by chronic treatment with baclofen, a selective GABA_R agonist, 115, 1331
- Myocardial contraction, The role of nitric oxide in cardiac depression induced by interleukin-1 β and tumour necrosis factor- α , 114, 27
- Myocardial infarction, Endothelin-1-induced reduction of myocardial infarct size by activation of ATP-sensitive potassium channels in a rabbit model of myocardial ischaemia and reperfusion, 116, 2597
- Pharmacology of a non-selective ET_A and ET_B receptor antagonist,
 TAK-044 and the inhibition of myocardial infarct size in rats, 114, 949
- Reduction by prostaglandin E₁ or prostaglandin E₀ of myocardial infarct size in the rabbit by activation of ATP-sensitive potassium channels, 116, 2435
- Myocardial ischaemia, Effects of 3-hydroxy-3-methylglutaryl coenzyme A reductase inhibitors on mitochondrial respiration in ischaemic dog hearts, 116, 1894
- Effects of *Bordetella pertussis* toxin pretreatment on the antiarrhythmic action of ischaemic preconditioning in anaesthetized rats, **114**, 755
- Effects of the ET_A/ET_B receptor antagonist, bosentan on endothelin-1induced myocardial ischaemia and oedema in the rat, 116, 1745
- Failure of nitric oxide donors to alter arrhythmias induced by acute myocardial ischaemia or reperfusion in anaesthetized rats, 114, 349
- Involvement of protein kinase C in the delayed cytoprotection following sublethal ischaemia in rabbit myocardium, 115, 222
- Myocardial oxygen consumption, Inhibition of the centrally induced increases in myocardial oxygen demand in rabbits by chronic treatment with baclofen, a selective GABA_B agonist, 115, 1331
- Myocardial protection, Involvement of protein kinase C in the delayed cytoprotection following sublethal ischaemia in rabbit myocardium, 115, 222
- Myocardium, The receptor occupation and plasma concentration of NKY-722, a water-soluble dihydropyridine-type calcium antagonist, in spontaneously hypertensive rats, 114, 217
- Sustained negative inotropism mediated by α-adrenoceptors in adult mouse myocardia: developmental conversion from positive response in the neonate, 114, 673
- Myocytes, Additive effect of ADP and CGRP in modulation of the acetylcholine receptor channel in *Xenopus* embryonic myocytes, 115, 563
- β-Adrenoceptor subtypes in young and old rat ventricular myocytes: a combined patch-clamp and binding study, 116, 1835
- Determination of β-adrenoceptor subtype on rat isolated ventricular myocytes by use of highly selective β-antagonists, 116, 1635
- Tonic and use-dependent block of sodium currents in isolated cardiac myocytes by bisaramil, 114, 377
- Myocytes, cardiac, Voltage-dependence of Ca²⁺ agonist effect of YC-170 on cardiac L-type Ca²⁺ channels, 116, 2134
- Myocytes, gastric, Quinidine blockade of the carbachol-activated nonselective cationic current in guinea-pig gastric myocytes, 115, 1407 Myocytes, ventricular, Inhibitory action of SR33557 on L-type calcium current in single ventricular myocytes of rat, 114, 468
- Mexiletine-induced shortening of the action potential duration of ventricular muscles by activation of ATP-sensitive K⁺ channels, 115, 381
- Time-dependent fading of the activation of K_{ATP} channels, induced by aprikalim and nucleotides, in excised membrane patches from cardiac myocytes, 115, 117
- Myofilaments, Effect of KC399, a newly synthesized K⁺ channel opener, on acetylcholine-induced electrical and mechanical activities in rabbit

tracheal smooth muscle, 115, 1493

Myosin light chain kinase, Inhibition by wortmannin of M-current in bullfrog sympathetic neurones, 114, 489

N

[³H]-(-)-N-0437, Relationship between inhibition of cyclic AMP production in Chinese hamster ovary cells expressing the rat D₂₍₄₄₄₎ receptor and antagonist/agonist binding ratios, 115, 1307

N1E-115 cells, Actions of the novel neuroprotective agent, lifarizine (RS-87476), on voltage-dependent sodium currents in the neuroblastoma cell line, N1E-115, 114, 1738

- Characterization of the effect of SR48692 on inositol monophosphate, cyclic GMP and cyclic AMP responses linked to neurotensin receptor activation in neuronal and non-neuronal cells, 116, 1899
- [³H]-Lifarizine, a high affinity probe for inactivated sodium channels, 115, 1103
- Na⁺-K⁺-pump, Modulation of the isoprenaline-induced membrane hyperpolarization of mouse skeletal muscle cells, 116, 2881
- NADPH-diaphorase, Loss of NADPH-diaphorase containing neurones after reversible focal ischaemia in rats delayed by L-NAME, 116, 2344
- Nitric oxide synthase in dog urethra: a histochemical and pharmacological analysis, 116, 2517
- Naloxone, The effect of morphine on formalin-evoked behaviour and spinal release of excitatory amino acids and prostaglandin E₂ using microdialysis in conscious rats, 114, 1069
- Inhibition of morphine withdrawal by the association of RB 101, an inhibitor of enkephalin catabolism, and the CCK_B antagonist PD-134,308, 114, 1031
- Suppression of naloxone-precipitated withdrawal jumps in morphinedependent mice by stimulation of prostaglandin EP₃ receptor, 116, 2661
- 2-NAP, 2-Naphthalenesulphanyl-L-aspartyl-2-(phenethyl) amide (2-NAP) and food intake in rats: evidence that endogenous peripheral CCK does not play a major role as a satiety factor, 116, 2371
- Naproxen, Enhancement by cyclo-oxygenase inhibitors of plateletactivating factor production in thapsigargin-stimulated macrophages, 116, 2141
- Natriuresis, The role of the peripheral sympathetic nervous system in the natriuresis following central administration of an I₁ imidazoline agonist, moxonidine, 116, 2631
- Natriuretic peptides, Bronchodilator and pre-protective effects of urodilatin in bovine bronchi *in vitro*: comparison with atrial natriuretic peptide, 114, 1391
- NBQX, Participation of NMDA and non-NMDA excitatory amino acid receptors in the mediation of spinal reflex potentials in rats: an in vivo study, 114, 1193
- [125I]-NCQ 298, Functional dopamine D₂ receptors on rat vagal afferent neurones, 114, 1329
- NECA, Functional characterization of the adenosine receptor mediating inhibition of intestinal secretion, 114, 152
- Functional characterization of the adenosine receptor mediating inhibition of peristalsis in the rat jejunum, 115, 739
- Neointima formation, Accumulation of endogenous inhibitors for nitric oxide synthesis and decreased content of L-arginine in regenerated endothelial cells, 115, 1001
- Nerve blood flow, Effects of endothelin receptor antagonism with bosentan on peripheral nerve function in experimental diabetes, 115, 373
- Nerve conduction, Effects of endothelin receptor antagonism with bosentan on peripheral nerve function in experimental diabetes, 115, 373
- Nerve growth factor, Contribution of interleukin-1β to the inflammationinduced increase in nerve growth factor levels and inflammatory hyperalgesia, 115, 1265
- Nerve terminals, Direct demonstration of sulphonylurea-sensitive K_{ATP} channels on nerve terminals of the rat motor cortex, 115, 385
- The effect of opiates on the terminal nerve impulse and quantal secretion from visualized amphibian nerve terminals, 115, 441
- Nerves, sensory, Regulation by phosphodiesterase isoenzymes of nonadrenergic non-cholinergic contraction in guinea-pig isolated main bronchus, 116, 2334

- Neuroblastoma, Actions of the novel neuroprotective agent, lifarizine (RS-87476), on voltage-dependent sodium currents in the neuroblastoma cell line, N1E-115, 114, 1738
- Activation of phospholipase C in SH-SY5Y neuroblastoma cells by potassium-induced calcium entry, 116, 1797
- Quantitative comparisons of muscarinic and bradykinin receptormediated Ins (1,4,5)P₃ accumulation and Ca²⁺ signalling in human neuroblastoma cells, 114, 1133
- Neurodegeneration, The effect of chlormethiazole on neuronal damage in a model of transient focal ischaemia, 114, 1631
- The hyperthermic and neurotoxic effects of 'Ecstasy' (MDMA) and 3,4-methylenedioxyamphetamine (MDA) in the Dark Agouti (DA) rat, a model of the CYP2D6 poor metabolizer phenotype, 115, 1281
- The protective action of chlormethiazole against ischaemia-induced neurodegeneration in gerbils when infused at doses having little sedative or anticonvulsant activity, 114, 1625
- Neuroeffector transmission, Electrical activity in rat tail artery during asynchronous activation of postganglionic nerve terminals by ciguatoxin-1, 116, 2213
- Neurokinins, Evidence that tachykinin NK₁ and NK₂ receptors mediate non-adrenergic non-cholinergic excitation and contraction in the circular muscle of guinea-pig duodenum, 115, 237
- Nitric oxide is a mediator of tachykinin NK₃ receptor-induced relaxation in rat mesenteric artery, 116, 2919
- Pharmacological analysis of the local and reflex responses to bradykinin on rat urinary bladder motility in vivo, 114, 708
- Neurokinin A, Effects of the tachykinin NK₁ receptor antagonist, RP 67580, on central cardiovascular and behavioural effects of substance P, neurokinin A and neurokinin B, 114, 1310
- Endothelium-dependent contraction in intrapulmonary arteries: mediation by endothelial NK₁ receptors and TXA₂, 115, 1215
- Modulation of excitatory amino acid responses by tachykinins and selective tachykinin receptor agonists in the rat spinal cord, 115, 1005
- Subtypes of tachykinin receptors on tonic and phasic neurones in coeliac ganglion of the guinea-pig, 115, 25
- Neurokinin B, Effects of the tachykinin NK₁ receptor antagonist, RP 67580, on central cardiovascular and behavioural effects of substance P, neurokinin A and neurokinin B. 114. 1310
- Endothelium-dependent contraction in intrapulmonary arteries mediation by endothelial NK₁ receptors and TXA₂, 115, 1215
- Modulation of excitatory amino acid responses by tachykinins and selective tachykinin receptor agonists in the rat spinal cord, 115, 1005
- Neurokinin receptors, Characterization of receptors for kinins and neurokinins in the arterial and venous mesenteric vasculatures of the guinea-pig, 115, 1319
- Delayed-type hypersensitivity-induced increase in vascular permeability in the mouse small intestine: inhibition by depletion of sensory neuropeptides and NK₁ receptor blockade, 114, 1483
- Endothelium-dependent relaxation to the B₁ kinin receptor agonist des-Arg⁹-bradykinin in human coronary arteries, 116, 3083
- Evidence that tachykinin NK₁ and NK₂ receptors mediate non-adrenergic non-cholinergic excitation and contraction in the circular muscle of guinea-pig duodenum, 115, 237
- Inhibition of bradykinin-evoked trigeminal nerve stimulation by the non-peptide bradykinin B₂ receptor antagonist WIN 64338 in vivo and in vitro, 116, 3164
- Subtypes of tachykinin receptors on tonic and phasic neurones in coeliac ganglion of the guinea-pig, 115, 25
- Neurokinin NK₁ receptors, The broad-spectrum anti-emetic activity of the novel non-peptide tachykinin NK₁ receptor antagonist GR203040, 116, 3158
- Demonstration of a 'septide-sensitive' inflammatory response in rat skin, 116, 2170
- Endogenous modulation of excitatory amino acid responsiveness by tachykinin NK₁ and NK₂ receptors in the rat spinal cord, 115, 1013
- Endothelium-dependent contraction in intrapulmonary arteries mediation by endothelial NK₁ receptors and TXA₂, 115, 1215
- Involvement of tachykinins in plasma extravasation induced by bradykinin and low pH medium in the guinea-pig conjuctiva, 115, 128
- Modulation of excitatory amino acid responses by tachykinins and selective tachykinin receptor agonists in the rat spinal cord, 115, 1005

- Prevention by the tachykinin NK₂ receptor antagonist, SR 48968, of antigen-induced airway hyperresponsiveness in sensitized guinea-pigs, 114, 259
- Neurokinin NK₁ receptor antagonists, The anti-emetic effects of CP-99,994 in the ferret and the dog: role of the NK₁ receptor, 115, 84
- Central versus peripheral site of action of the tachykinin NK₁antagonist RP 67580 in inhibiting chemonociception, 115, 486
- The pharmacology of GR203040, a novel, potent and selective nonpeptide tachykinin NK₁ receptor antagonist, 116, 3149
- Substance P-induced inflammatory responses in guinea-pig skin: The effect of specific NK₁ receptor antagonists and the role of endogenous mediators, 114, 1343
- Neurokinin NK₂ receptors, Activation of the micturition reflex by NK₂ receptor stimulation in the anaesthetized guinea-pig, 115, 875
- Endogenous modulation of excitatory amino acid responsiveness by tachykinin NK₁ and NK₂ receptors in the rat spinal cord, 115, 1013
- Endothelium-dependent contraction in intrapulmonary arteries mediation by endothelial NK₁ receptors and TXA₂, 115, 1215
- Modulation of excitatory amino acid responses by tachykinins and selective tachykinin receptor agonists in the rat spinal cord, 115, 1005
- Prevention by the tachykinin NK₂ receptor antagonist, SR 48968, of antigen-induced airway hyperresponsiveness in sensitized guinea-pigs, 114, 259
- Neurokinin NK₃ receptors, Functional interaction between losartan and central tachykinin NK₃ receptors in the conscious rat, 114, 1563
- Modulation of excitatory amino acid responses by tachykinins and selective tachykinin receptor agonists in the rat spinal cord, 115, 1005
- Nitric oxide is a mediator of tachykinin NK₃ receptor-induced relaxation in rat mesenteric artery, 116, 2919
- Neuroleptics, Behavioural interactions between 5-hydroxytryptophan, neuroleptic agents and 5-HT receptor antagonists in modifying rodent responding to aversive situations, 116, 2989
- Interaction of clozapine with the histamine H₃ receptor in rat brain, 114, 1523
- Neuromuscular junctions, Diabetic state-induced rapid inactivation of noncontractile Ca²⁺ mobilization operated by nicotinic acetylcholine receptor in mouse diaphragm muscle, 116, 2685
- The in vivo effect of lipopolysaccharide on the spontaneous release of transmitter from motor nerve terminals, 116, 1757
- Modulation of acetylcholine release at mouse neuromuscular junctions by interaction of three homologous scorpion toxins with K⁺ channels, 114, 1502
- Postsynaptic nicotinic receptor desensitized by non-contractile Ca²⁺ mobilization via protein kinase-C activation at the mouse neuromuscular junction, 114, 461
- Neuromuscular transmission, Enhancement by benzodiazepines of the inhibitory effect of adenosine on skeletal neuromuscular transmission, 116, 1870
- 5-Hydroxytryptamine receptors that facilitate excitatory neuromuscular transmission in the guinea-pig isolated detrusor muscle, 115, 677
- Neuromuscular blocking profile of the vecuronium analogue, Org-9487, in the rat isolated hemidiaphragm preparation, 116, 3049
- Neurones, cortical, Dual mechanisms of GABA_A response inhibition by β -lactam antibiotics in the pyramidal neurones of the rat cerebral cortex, 116, 3014
- NMDA-induced glutamate and aspartate release from rat cortical pyramidal neurones: evidence for modulation by a 5-HT_{1A} antagonist, 115, 1169
- Neurones, cultured, Blockade by polyamine NMDA antagonists related to ifenprodil of NMDA-induced synthesis of cyclic GMP, increases in calcium and cytotoxicity in cultured neurones, 114, 1359
- Blockade by sigma site ligands of high voltage-activated Ca²⁺ channels in rat and mouse cultured hippocampal pyramidal neurones, 116, 2801
- Blockade by sigma site ligands of N-methyl-D-aspartate-evoked responses in rat and mouse cultured hippocampal pyramidal neurones, 116, 2791
- Characterization of metabotropic glutamate receptor-stimulated phosphoinositide hydrolysis in rat cultured cerebellar granule cells, 116, 2874
- Inhibition by propofol (2,6 di-isopropylphenol) of the N-methyl-Daspartate subtype of glutamate receptor in cultured hippocampal

- neurones, 116, 1761
- Modulation of calcium currents by G-proteins and adenosine receptors in myenteric neurones cultured from adult guinea-pig small intestine, 116, 1882
- Neuroprotective profile of lifarizine (RS-87476) in rat cerebrocortical neurones in culture, 114, 1365
- Phosphorus-containing peptides as mixed inhibitors of endopeptidase 3.4.24.15 and 3.4.24.16: effect on neurotensin degradation in vitro and in vivo, 115, 1053
- Neurones, dorsal raphe, Effects of 5-HT and 5-HT_{1A} receptor agonists and antagonists on dorsal vagal preganglionic neurones in anaesthetized rats: an ionophoretic study, 116, 2291
- Neurones, hypothalamic, Potentiation, activation and blockade of GABA_A receptors of clonal murine hypothalamic GT1-7 neurones by propofol, 115, 953
- Neurones, molluscan, The effects of temperature on the interactions between volatile general anaesthetics and a neuronal nicotinic acetylcholine receptor, 116, 2949
- Neurones, myenteric, Modulation of calcium currents by G-proteins and adenosine receptors in myenteric neurones cultured from adult guineapig small intestine, 116, 1882
- Neurones, sensory, Contribution of interleukin- 1β to the inflammation-induced increase in nerve growth factor levels and inflammatory hyperalgesia, 115, 1265
- Neurones, spinal, A comparison of the effects of selective metabotropic glutamate receptor agonists on synaptically evoked whole cell currents of rat spinal ventral horn neurones in vitro, 115, 1469
- Neurones, vagal, Effects of 5-HT and 5-HT_{1A} receptor agonists and antagonists on dorsal vagal preganglionic neurones in anaesthetized rats: an ionophoretic study, 116, 2291
- Neuropathology, Neuroprotective efficacy of lifarizine (RS-87476) in a simplified rat survival model of 2 vessel occlusion, 116, 3093
- Neuropathy, Effect of diabetes on relaxations to non-adrenergic, noncholinergic nerve stimulation in longitudinal muscle of the rat gastric fundus. 116, 1551
- Neuropeptides, Contribution of interleukin- 1β to the inflammation-induced increase in nerve growth factor levels and inflammatory hyperalgesia, 115, 1265
- Neuropeptides, sensory, Delayed-type hypersensitivity-induced increase in vascular permeability in the mouse small intestine: inhibition by depletion of sensory neuropeptides and NK₁ receptor blockade, 114, 1483
- Neuropeptide release, Increase of meningeal blood flow after electrical stimulation of rat dura mater encephali: mediation by calcitonin generelated peptide, 114, 1397
- Neuropeptide Y, Central cardiovascular effects of acetylcholine in the conscious dog, 116, 2175
- Characterization of neuropeptide Y (NPY) receptors in human cerebral arteries with selective agonists and the new Y₁ antagonist BIBP 3226, 116, 2245
- Discrimination by benextramine between the NPY-Y₁ receptor subtypes present in rabbit isolated vas deferens and saphenous vein, 115, 3
- The effect of neuropeptide Y on sodium, chloride and potassium transport across the rat distal colon, 115, 1071
- Failure of the putative neuropeptide Y antagonists, benextramine and PYX-2, to inhibit Y₂ receptors in rat isolated prostatic vas deferens, 116, 2401
- Inhibition of sympathetic vasoconstriction in pigs in vivo by the neuropeptide Y-Y₁ receptor antagonist BIBP 3226, 116, 2971
- Reduction of vasoconstriction mediated by neuropeptide Y Y₂ receptors in arterioles of the guinea-pig small intestine, 115, 220
- Regional involvement of an endothelium-derived contractile factor in the vasoactive actions of neuropeptide Y in bovine isolated retinal arteries, 116, 2729
- Neuropeptide Y analogues, Discrimination by benextramine between the NPY-Y₁ receptor subtypes present in rabbit isolated vas deferens and saphenous vein, 115, 3
- Neuropeptide Y receptors, Characterization of neuropeptide Y (NPY) receptors in human cerebral arteries with selective agonists and the new Y₁ antagonist BIBP 3226, 116, 2245
- Discrimination by benextramine between the NPY-Y₁ receptor subtypes

present in rabbit isolated vas deferens and saphenous vein, 115, 3

- Failure of the putative neuropeptide Y antagonists, benextramine and PYX-2, to inhibit Y₂ receptors in rat isolated prostatic vas deferens, 116, 2401
- Functional characterization of receptors with affinity for PYY, NPY, [Leu³¹,Pro³⁴]NPY and PP in a human colonic epithelial cell line, 116, 2673
- Inhibition of sympathetic vasoconstriction in pigs in vivo by the neuropeptide Y-Y₁ receptor antagonist BIBP 3226, 116, 2971
- Involvement of G-protein αil subunits in activation of G-protein gated inward rectifying K⁺ channels (GIRK1) by human NPY₁ receptors, 116, 2346
- Reduction of vasoconstriction mediated by neuropeptide Y Y₂ receptors in arterioles of the guinea-pig small intestine, 115, 220
- Regional involvement of an endothelium-derived contractile factor in the vasoactive actions of neuropeptide Y in bovine isolated retinal arteries, 116, 2729
- Neuropeptide Y receptor agonists, Characterization of neuropeptide Y (NPY) receptors in human cerebral arteries with selective agonists and the new Y₁ antagonist BIBP 3226, 116, 2245
- Neuropeptide Y receptor antagonists, Characterization of neuropeptide Y (NPY) receptors in human cerebral arteries with selective agonists and the new Y₁ antagonist BIBP 3226, 116, 2245
- Failure of the putative neuropeptide Y antagonists, benextramine and PYX-2, to inhibit Y₂ receptors in rat isolated prostatic vas deferens, 116, 2401
- Neuroprotection, Actions of the novel neuroprotective agent, lifarizine (RS-87476), on voltage-dependent sodium currents in the neuro-blastoma cell line, N1E-115, 114, 1738
- The effect of chlormethiazole on neuronal damage in a model of transient focal ischaemia, 114, 1631
- Neuroprotective efficacy of lifarizine (RS-87476) in a simplified rat survival model of 2 vessel occlusion, 116, 3093
- Neuroprotective profile of lifarizine (RS-87476) in rat cerebrocortical neurones in culture, 114, 1365
- Neuroprotective properties of lifarizine compared with those of other agents in a mouse model of focal cerebral ischaemia, 115, 1425
- The protective action of chlormethiazole against ischaemia-induced neurodegeneration in gerbils when infused at doses having little sedative or anticonvulsant activity, 114, 1625
- Reduction by lifarizine of the neuronal damage induced by cerebral ischaemia in rodents, 115, 1439
- Neurotensin, Blockade of mast cell histamine secretion in response to neurotensin by SR 48692, a nonpeptide antagonist of the neurotensin brain receptor, 114, 1466
- Characterization of the effect of SR48692 on inositol monophosphate, cyclic GMP and cyclic AMP responses linked to neurotensin receptor activation in neuronal and non-neuronal cells, 116, 1899
- Phosphorus-containing peptides as mixed inhibitors of endopeptidase 3.4.24.15 and 3.4.24.16: effect on neurotensin degradation in vitro and in vivo, 115, 1053
- Promotion by SR 48692 of gastric emptying and defaecation in rats suggesting a role of endogenous neurotensin, 115, 383
- Neurotensin receptors, Blockade of mast cell histamine secretion in response to neurotensin by SR 48692, a nonpeptide antagonist of the neurotensin brain receptor, 114, 1466
- Characterization of the effect of SR48692 on inositol monophosphate, cyclic GMP and cyclic AMP responses linked to neurotensin receptor activation in neuronal and non-neuronal cells, 116, 1899
- Neurotensin receptor antagonists, Blockade of mast cell histamine secretion in response to neurotensin by SR 48692, a nonpeptide antagonist of the neurotensin brain receptor, 114, 1466
- Promotion by SR 48692 of gastric emptying and defaecation in rats suggesting a role of endogenous neurotensin, 115, 383
- Neurotoxicity, The hyperthermic and neurotoxic effects of 'Ecstasy' (MDMA) and 3,4-methylenedioxyamphetamine (MDA) in the Dark Agouti (DA) rat, a model of the CYP2D6 poor metabolizer phenotype, 115, 1281
- Neuroprotective profile of lifarizine (RS-87476) in rat cerebrocortical neurones in culture, 114, 1365
- Neurotoxins, Modulation of acetylcholine release at mouse neuro-

- muscular junctions by interaction of three homologous scorpion toxins with K^{\dagger} channels, 114, 1502
- Neurotransmission, The effect of opiates on the terminal nerve impulse and quantal secretion from visualized amphibian nerve terminals, 115, 441
- NANC neurotransmission in lamina propria of the rabbit urethra: regulation by different subsets of calcium channels, 115, 1020
- Neurotransmitter release, Effects of besipirdine at the voltage-dependent sodium channel, 116, 2468
- Reduction of spike frequency adaptation and blockade of M-current in rat CA1 pyramidal neurones by linopirdine (DuP 996), a neurotransmitter release enhancer, 115, 1163
- The in vivo effect of lipopolysaccharide on the spontaneous release of transmitter from motor nerve terminals, 116, 1757
- Neurotrophins, Contribution of interleukin-1β to the inflammationinduced increase in nerve growth factor levels and inflammatory hyperalgesia, 115, 1265
- Neutropenia, Acute pro-inflammatory actions of endothelin-1 in the guinea-pig lung: involvement of ET_A and ET_B receptors, 115, 227
- Neutrophils, Acute pro-inflammatory actions of endothelin-1 in the guinea-pig lung: involvement of ET_A and ET_B receptors, 115, 227
- Aminoguanidine-provoked leukocyte adherence to rat mesenteric venules: role of constitutive nitric oxide synthase inhibition, 116, 2710
- Attenuation by nitrosothiol NO donors of acute intestinal microvascular dysfunction in the rat, 115, 498
- Characterization of the PGE receptor subtype mediating inhibition of superoxide production in human neutrophils, 114, 1459
- Effect of interleukin-4 and interleukin-10 on leucocyte migration and nitric oxide production in the mouse, 116, 2251
- Effect of a new non-steroidal anti-inflammatory drug, nitroflurbiprofen, on the expression of inducible nitric oxide synthase in rat neutrophils, 115, 225
- Inhibition by sodium nitroprusside of the expression of inducible nitric oxide synthase in rat neutrophils, 114, 1105
- Investigation of the inhibitory effects of PGE₂ and selective EP agonists on chemotaxis of human neutrophils, 116, 2903
- Involvement of superoxide and xanthine oxidase in neutrophilindependent rat gastric damage induced by NO donors, 116, 1843
- NPC 15669-modulated human polymorphonuclear neutrophil functional responsiveness: effects on receptor-coupled signal transduction, 114, 1694
- Pharmacological activity of the C-terminal and N-terminal domains of secretory leukoprotease inhibitor in vitro, 115, 883
- Substance P-induced inflammatory responses in guinea-pig skin: The effect of specific NK₁ receptor antagonists and the role of endogenous mediators, 114, 1343
- N^{G} 108-15 cells, Effects of acute and chronic ethanol on cyclic AMP accumulation in N^{G} 108-15 cells: differential dependence of changes on extracellular adenosine, 114, 1433
- Enhancement of cyclic AMP accumulation mediated by 5-HT after chronic amitriptyline treatment in N^G 108-15 cells, 114, 1282
- Evidence that the atypical 5-HT₃ receptor ligand, [³H]-BRL46470, labels additional 5-HT₃ binding sites compared to [³H]-granisetron, 116, 1781
- The interaction of antidepressant drugs with central and peripheral (enteric) 5-HT₃ and 5-HT₄ receptors, 114, 1017
- Nicardipine, Effect of UK-84149 on voltage-activated calcium currents of single smooth muscle cells from guinea-pig and rabbit jejunum and rabbit coronary artery, 114, 1657
- Nicorandil, Comparisons of the effects of nicorandil, pinacidil, nicardipine and nitroglycerin on coronary vessels in the conscious dog: role of the endothelium, 114, 496
- Effects of nicorandil on the recovery of reflex potentials after spinal cord ischaemia in cats, 116, 1815
- Nicotine, Desensitization of the nicotine-induced mesolimbic dopamine responses during constant infusion with nicotine, 114, 454
- 5-Hydroxytryptamine-mediated effects of nicotine on endogenous GAGA efflux from guinea-pig cortical slices, 116, 2724
- Impairment of nitrergic-mediated relaxation of rat isolated duodenum by experimental diabetes, 114, 919
- Intraneuronal accumulation and persistence of radiolabel in rat brain

- following in vivo administration of [3H]-chlorisondamine, 116, 2503
- Locomotor activation and dopamine release produced by nicotine and isoarecolone in rats, 116, 2097
- Nicotinic receptors, Activation of nicotinic acetylcholine receptors expressed in quail fibroblasts: effects on intracellular calcium, 116, 2838
- Anaesthetic modulation of nicotinic ion channel kinetics in bovine chromaffin cells, 114, 909
- Cholinoceptor-mediated effects on glycerol output from human adipose tissue using in situ microdialysis, 115, 1155
- Diabetic state-induced rapid inactivation of noncontractile Ca²⁺ mobilization operated by nicotinic acetylcholine receptor in mouse diaphragm muscle, 116, 2685
- The effects of temperature on the interactions between volatile general anaesthetics and a neuronal nicotinic acetylcholine receptor, 116, 2949
- Enhancement by 5-hydroxytryptamine and analogues of desensitization of neuronal and muscle nicotinic receptors expressed in *Xenopus* oocytes, 114, 1636
- Inhibition by cyclothiazide of neuronal nicotinic responses in bovine chromaffin cells, 114, 648
- Inhibition by dizocilpine (MK-801) of striatal dopamine release induced by MPTP and MPP⁺: possible action at the dopamine transporter, 114, 315
- Locomotor activation and dopamine release produced by nicotine and isoarecolone in rats, 116, 2097
- Postsynaptic nicotinic receptor desensitized by non-contractile Ca²⁺ mobilization via protein kinase-C activation at the mouse neuromuscular junction, 114, 461
- Protein kinase A and nicotinic activation of bovine adrenal tyrosine hydroxylase, 114, 1687
- A reassessment of the modulatory role of cyclic AMP in catecholamine secretion by chromaffin cells, 114, 517
- Restoration of blood pressure by choline treatment in rats made hypotensive by haemorrhage, 116, 1911
- Nicotinic receptors, neuronal, Actions of general anaesthetics of a neuronal nicotinic acetylcholine receptor in isolated identified neurones of Lymnaea stagnalis, 115, 275
- The effects of temperature on the interactions between volatile general anaesthetics and a neuronal nicotinic acetylcholine receptor, 116, 2949
- Nicotinic receptor antagonists, Intraneuronal accumulation and persistence of radiolabel in rat brain following *in vivo* administration of [³H]-chlorisondamine, 116, 2503
- Nicotinic receptor channels, Accelerated desensitization of nicotinic receptor channels and its dependence on extracellular calcium in isolated skeletal muscles of streptozotocin-diabetic mice, 116, 1680
- Nifedipine, Activation of nicotinic acetylcholine receptors expressed in quail fibroblasts: effects on intracellular calcium, 116, 2838
- Cellular localization of the inhibitory action of relaxin against uterine spasm, 116, 3028
- Characteristics of the NANC post-stimulus ('rebound') contraction of the urinary bladder neck muscle in sheep, 116, 2451
- Effect of illuminated nifedipine, a potent antioxidant, on intestinal and vascular smooth muscles, 115, 871
- Further analysis of the mechanisms underlying the tracheal relaxant action of SCA40, 114, 143
- Ionic currents and inhibitory effects of glibenclamide in seminal vesicle smooth muscle cells, 115, 1447
- Mechanisms of angiotensin II chronotropic effect in anaesthetized dogs,
- The role of capacitative Ca²⁺ influx in the α_{1B}-adrenoceptor-mediated contraction to phenylephrine of the rat spleen, 116, 2327
- Niflumic acid, Comparison of the effects of fenamates on Ca-activated chloride and potassium currents in rabbit portal vein smooth muscle cells, 116, 2939
- (+)-Niguldipine, Characterization of α₁-adrenoceptors mediating vasoconstriction to noradrenaline and nerve stimulation in the isolated perfused mesentery of rat, 114, 531
- S-(+)-Niguldipine, Functional evidence equating the pharmacologically-defined α_{1A} and cloned α_{1C} -adrenoceptor: studies in the isolated perfused kidney of rat, 115, 283
- Nimodipine, Neuroprotective properties of lifarizine compared with those of other agents in a mouse model of focal cerebral ischaemia, 115, 1425

- Nitrate, Conversion of inhaled nitric oxide to nitrate in man, 114, 1621
- Inhibition by sodium nitroprusside of the expression of inducible nitric oxide synthase in rat neutrophils, 114, 1105
- Nitrate, plasma, Sequential induction of nitric oxide synthase by Corynebacterium parvum in different organs of the mouse, 114, 689
- Nitrendipine, Postjunctional α_1 and β -adrenoceptor effects of noradrenaline on electrical slow waves and phasic contractions of cat colon circular muscle, 116, 3265
- Nitrergic nerves, Involvement of nitric oxide in the non-adrenergic noncholinergic neurotransmission of horse deep penile arteries: role of charybdotoxin-sensitive K⁺-channels, 116, 2582
- Nitrergic transmission, Characterization of nitrergic neurotransmission during short- and long-term electrical stimulation of the rabbit ano-coccygeus muscle, 115, 1149
- Comparison of the pharmacological profile of S-nitrosothiols, nitric oxide and the nitrergic neurotransmitter in the canine ileocolonic junction, 114, 1179
- Discrimination by the NO-trapping agent, carboxy-PTIO, between NO and the nitrergic transmitter but not between NO and EDRF, 116, 1906
- Effect of diabetes and elevated glucose on nitric oxide-mediated neurotransmission in rat anococcygeus muscle, 115, 409
- Heterogeneity of neurogenic responses in intra- and extrameningeal arteries of dogs, 116, 2557
- Inhibition of relaxations to nitrergic stimulation of the mouse anococcygeus by duroquinone, 116, 3231
- Nitric oxide, Accumulation of endogenous inhibitors for nitric oxide synthesis and decreased content of L-arginine in regenerated endothelial cells, 115, 1001
- Aminoguanidine attenuates the delayed circulatory failure and improves survival in rodent models of endotoxic shock, 114, 1666
- Aminoguanidine-provoked leukocyte adherence to rat mesenteric venules: role of constitutive nitric oxide synthase inhibition, 116, 2710
- The antinociceptive effect of 1-(2-trifluoromethylphenyl) imidazole (TRIM), a potent inhibitor of neuronal nitric oxide synthase in vitro, in the mouse. 116, 2349
- Attenuation of adrenomedullin-induced renal vasodilatation by N^G-nitro L-arginine but not glibenclamide, 115, 917
- Attenuation by nitrosothiol NO donors of acute intestinal microvascular dysfunction in the rat, 115, 498
- Canine renovascular responses to sumatriptan and 5-carboxamidotryptamine: modulation through endothelial 5-HT₁-like receptors by endogenous nitric oxide, 114, 969
- Cerebrovascular consequences of repeated exposure to N^G-nitro-Larginine methyl ester, 116, 2771
- Characteristics of the NANC post-stimulus ('rebound') contraction of the urinary bladder neck muscle in sheep, 116, 2451
- Characterization of nitrergic neurotransmission during short- and longterm electrical stimulation of the rabbit anococcygeus muscle, 115, 1149
- Co-induction of nitric oxide synthase and cyclo-oxygenase: interactions between nitric oxide and prostanoids, 114, 1335
- Comparison of effects of chronic and acute administration of N^G-nitro-L-arginine methyl ester to the rat on inhibition of nitric oxide-mediated responses, 114, 1673
- Comparison of the pharmacological profile of S-nitrosothiols, nitric oxide and the nitrergic neurotransmitter in the canine ileocolonic junction, 114, 1179
- Conversion of inhaled nitric oxide to nitrate in man, 114, 1621
- Copper chelation-induced reduction of the biological activity of Snitrosothiols, 114, 1083
- Cross talk between receptors mediating contraction and relaxation in the arterioles but not the dilator muscle of the rat iris, 115, 828
- Cytochrome P450-dependent effects of bradykinin in the rat heart, 114,
 oq
- Delayed circulatory failure due to the induction of nitric oxide synthase by lipoteichoic acid from Staphylococcus aureus in anaesthetized rats, 114, 1317
- Differential sensitivity of basal and acetylcholine-stimulated activity of nitric oxide to destruction by superoxide anion in rat aorta, 115, 993
- Discrimination by the NO-trapping agent, carboxy-PTIO, between NO and the nitrergic transmitter but not between NO and EDRF, 116, 1906

 Effect of 5-hydroxytryptamine on the membrane potential of endothelial and smooth muscle cells in the pig coronary artery, 115, 95

- Effect of diabetes and elevated glucose on nitric oxide-mediated neurotransmission in rat anococcygeus muscle, 115, 409
- Effect of diabetes on relaxations to non-adrenergic, non-cholinergic nerve stimulation in longitudinal muscle of the rat gastric fundus, 116, 1551
- Effect of endotoxin on the angiotensin II receptor in cultured vascular smooth muscle cells, 116, 2524
- The effect of endotoxin on sympathetic responses in the rat isolated perfused mesenteric bed; involvement of nitric oxide and cyclooxygenase products, 116, 3316
- Effect of methylguanidine on rat blood pressure: role of endothelial nitric oxide synthase, 115, 510
- Effect of a new non-steroidal anti-inflammatory drug, nitroflurbiprofen, on the expression of inducible nitric oxide synthase in rat neutrophils, 115, 225
- The effect of nitric oxide donors on haemodynamics and blood flow distribution in the porcine carotid circulation, 114, 1303
- Effect of nitric oxide on integrity, blood flow and cyclic GMP levels in the rat gastric mucosa: modulation by sialoadenectomy, 115, 344
- Effect of trilinolein on cyclic nucleotide formation in human platelets: relationship with its antiplatelet effect and nitric oxide synthesis, 116, 1644
- Effects of nitric oxide synthase inhibition combined with nitric oxide inhalation in a porcine model of endotoxin shock, 114, 363
- Effects of pH on responses to adenosine, CGS 21680, carbachol and nitroprusside in the isolated perfused superior mesenteric arterial bed of the rat, 116, 2641
- Endogenous nitric oxide modulation of potassium-induced changes in guinea-pig airway tone, 115, 1194
- Endothelial modulation of vasoconstrictor responses to endothelin-1 in human placental stem villi small arteries, 115, 1038
- Endothelium-dependent relaxation to acetylcholine in bovine oviductal arteries: mediation by nitric oxide and changes in apamin-sensitive K⁺ conductance, 115, 1221
- Endothelium-dependent relaxations mediated by inducible B₁ and constitutive B₂ kinin receptors in the bovine isolated coronary artery, 116, 2473
- Endothelium-dependent relaxations in sheep pulmonary arteries and veins: resistance to block by N^G-nitro-L-arginine in pulmonary hypertension, 116, 2457
- Endotoxin inhibition of distension-stimulated gastric acid secretion in rat: mediation by NO in the central nervous system, 114, 8
- Enhancing effect of staurosporine on NO production in rat peritoneal macrophages via a protein kinase C-independent mechanism, 116, 1711
- Enhancing and inhibitory effects of nitric oxide on superoxide anion generation in human polymorphonuclear leukocytes, 115, 1302
- Evidence that nitric oxide from the endothelium attenuates inherent tone in isolated pulmonary arteries from rats with hypoxic pulmonary hypertension, 114, 109
- Factors involved in the relaxation of female pig urethra evoked by electrical field stimulation, 116, 1599
- Failure of nitric oxide donors to alter arrhythmias induced by acute myocardial ischaemia or reperfusion in anaesthetized rats, 114, 349
- The formation of nitric oxide donors from peroxynitrite, 116, 1999
- Gensenosides-induced nitric oxide-mediated relaxation of the rabbit corpus cavernosum, 115, 15
- Identification of a prostanoid FP receptor population producing endothelium-dependent vasorelaxation in the rabbit jugular vein, 116, 3035
- Impaired endothelium-dependent relaxation in isolated resistance arteries of spontaneously diabetic rats. 116, 3251
- Impairment of nitrergic-mediated relaxation of rat isolated duodenum by experimental diabetes, 114, 919
- Increase by N^G-nitro-L-arginine methyl ester (L-NAME) of resistance to venous return in rats, 114, 1454
- Inducible nitric oxide synthase activity and expression in a human colonic epithelial cell line, HT-29, 116, 2866
- Induction of L-arginine transport and nitric oxide synthase in vascular smooth muscle cells: synergistic actions of pro-inflammatory cytokines

- and bacterial lipopolysaccharide, 116, 3243
- Induction of nitric oxide synthase and microvascular injury in the rat jejunum provoked by indomethacin, 116, 2286
- The ineffectiveness of the NO-cyclic GMP signalling pathway in the atrial myocardium, 116, 3061
- Influence of age on the signal transduction pathway of non-adrenergic non-cholinergic neurotransmitters in the rat gastric fundus, 114, 640
- Inhibition of angiogenesis, tumour growth and metastasis by the NOreleasing vasodilators, isosorbide mononitrate and dinitrate, 116, 1829
- Inhibition of rat colon contractility by prostacyclin (IP-) receptor agonists: involvement of NANC neurotransmission, 115, 163
- Inhibition of relaxations to nitrergic stimulation of the mouse anococcygeus by duroquinone, 116, 3231
- Inhibition by sodium nitroprusside of the expression of inducible nitric oxide synthase in rat neutrophils, 114, 1105
- The inhibitory effect of 3-amino-1,2,4-triazole on relaxation induced by hydroxylamine and sodium azide but not hydrogen peroxide or glyceryl trinitrate in rat aorta, 116, 3302
- Interacting roles of nitric oxide and ATP in the pulmonary circulation of the rat. 114, 846
- Involvement of nitric oxide in the non-adrenergic non-cholinergic neurotransmission of horse deep penile arteries: role of charybdotoxinsensitive K⁺-channels, 116, 2582
- Involvement of superoxide and xanthine oxidase in neutrophilindependent rat gastric damage induced by NO donors, 116, 1843
- Isothioureas: potent inhibitors of nitric oxide synthases with variable isoform selectivity, 114, 510
- Kallikrein rK10-induced kinin-independent, direct activation of NOformation and relaxation of rat isolated aortic rings, 115, 356
- Leukotriene receptors on human pulmonary vascular endothelium, 115, 1382
- Loss of NADPH-diaphorase containing neurones after reversible focal ischaemia in rats delayed by L-NAME, 116, 2344
- Mediation by prostaglandins of the nitric oxide-induced neurogenic vasodilatation in rat skin, 116, 2365
- Modulation by nitric oxide of prostaglandin biosynthesis in the rat, 114,
 323
- Multiple pathways underlying endothelium-dependent relaxation in the rabbit isolated femoral artery, 115, 31
- Myocardial and coronary endothelial protective effects of acetylcholine after myocardial ischaemia and reperfusion in rats: role of nitric oxide, 115, 1532
- NANC neurotransmission in lamina propria of the rabbit urethra: regulation by different subsets of calcium channels, 115, 1020
- A new class of furoxan derivatives as NO donors: mechanism of action and biological activity, 114, 816
- Nitric oxide, an enteric nonadrenergic-noncholinergic relaxant transmitter: evidence using phosphodiesterase V and nitric oxide synthase inhibition, 116, 1789
- Nitric oxide is a mediator of tachykinin NK₃ receptor-induced relaxation in rat mesenteric artery, 116, 2919
- Pharmacological evidence that nitric oxide may be a retrograde messenger in the enteric nervous system, 114, 428
- Pharmacological identification of different inhibitor mediators involved in the innervation of the internal anal sphincter, 115, 158
- Photosensitization of oesophageal smooth muscle by 3-NO₂-1,4-dihydropyridines: evidence for two cyclic GMP-dependent effector pathways, 116, 3293
- Platelet-activating factor: the effector of protein-rich plasma extravasation and nitric oxide synthase induction in rat immune complex peritonitis, 114, 895
- Polydeoxyribonucleotides and nitric oxide release from guinea-pig hearts during ischaemia and reperfusion, 115, 629
- Potentiation of the hyporeactivity induced by in vivo endothelial injury in the rat carotid artery by chronic treatment with fish oil, 115, 255
- The promotion of patent airways and inhibition of antigen-induced bronchial obstruction by endogenous nitric oxide, 116, 2957
- Protective effect of NO on gastric lesions and inhibition of expression of gastric inducible NOS by flurbiprofen and its nitro-derivative, nitroflurbiprofen, 116, 1713
- Reduction by N^G-nitro-L-arginine methyl ester (L-NAME) of antigen-

- induced nasal airway plasma extravasation in human subjects in vivo, 116, 1720
- Regulation of prostaglandin production by nitric oxide; an in vivo analysis, 114, 1171
- Relaxin-induced increased coronary flow through stimulation of nitric oxide production, 116, 1589
- Release by ultraviolet B (u.v.B) radiation of nitric oxide (NO) from human keratinocytes: a potential role for nitric oxide in erythema production, 114, 1257
- Role of endothelium in the human uterine arteries during normal menstrual cycle, 114, 902
- Role for intracellular platelet-activating factor in the circulatory failure in a model of Gram-positive shock, 116, 3191
- The role of nitric oxide in the altered vascular reactivity of pregnancy in the rat. 114. 955
- The role of nitric oxide in cardiac depression induced by interleukin-1β and tumour necrosis factor-α, 114, 27
- Role of nitric oxide in learning and memory and in monoamine metabolism in the rat brain, 115, 852
- Role of nitric oxide (NO) in ocular inflammation, 116, 2447
- Selective inhibition by barbiturates of the synthesis of endotheliumderived hyperpolarizing factor in the rabbit carotid artery, 115, 969
- Significance of nitric oxide in the stimulation of intestinal fluid absorption in the rat jejunum in vivo, 114, 13
- Specificity of different organic nitrates to elicit NO formation in rabbit vascular tissues and organs in vivo, 116, 2743
- Study of NO and VIP as non-adrenergic non-cholinergic neurotransmitters in the pig gastric fundus, 116, 2017
- Substance P-induced relaxation and hyperpolarization in human cerebral arteries, 115, 889
- Vascular pharmacology of methylene blue in vitro and in vivo: a comparison with N^G-nitro-L-arginine and diphenyleneiodonium, 114, 104
- YC-1 inhibited human platelet aggregation through NO-independent activation of soluble guanylate cyclase, 116, 1973
- Nitric oxide donors, Alterations of insulin response to different β cell secretagogues and pancreatic vascular resistance induced by N^{∞} -nitro-L-arginine methyl ester, 116, 1965
- Attenuation by nitrosothiol NO donors of acute intestinal microvascular dysfunction in the rat, 115, 498
- Cardiovascular actions of the furoxan CAS 1609, a novel nitric oxide donor. 114, 1605
- Failure of nitric oxide donors to alter arrhythmias induced by acute myocardial ischaemia or reperfusion in anaesthetized rats, 114, 349
- The formation of nitric oxide donors from peroxynitrite, 116, 1999
- Involvement of superoxide and xanthine oxidase in neutrophilindependent rat gastric damage induced by NO donors, 116, 1843
- Modulation by nitric oxide of prostaglandin biosynthesis in the rat, 114,
 323
- A new class of furoxan derivatives as NO donors: mechanism of action and biological activity, 114, 816
- Specificity of different organic nitrates to elicit NO formation in rabbit vascular tissues and organs in vivo, 116, 2743
- Nitric oxide inhalation, Effects of nitric oxide synthase inhibition combined with nitric oxide inhalation in a porcine model of endotoxin shock. 114, 363
- Nitric oxide release, Influence of chronic treatment with a nitric oxide donor on fatty streak development and reactivity of the rabbit aorta, 114, 1371
- Nitric oxide synthase, Aminoguanidine attenuates the delayed circulatory failure and improves survival in rodent models of endotoxic shock, 114, 1666
- The antinociceptive effect of 1-(2-trifluoromethylphenyl) imidazole (TRIM), a potent inhibitor of neuronal nitric oxide synthase in vitro, in the mouse, 116, 2349
- Attenuation by creatine of myocardial metabolic stress in Brattleboro rats caused by chronic inhibition of nitric oxide synthase, 116, 3288
- Characterization of the effects of two new arginine/citrulline analogues on constitutive and inducible nitric oxide synthases in rat aorta, 115, 491
- Co-induction of nitric oxide synthase and cyclo-oxygenase: interactions

between nitric oxide and prostanoids, 114, 1335

- Comparison of effects of chronic and acute administration of N^G-nitro-L-arginine methyl ester to the rat on inhibition of nitric oxide-mediated responses, 114, 1673
- Effect of interleukin-4 and interleukin-10 on leucocyte migration and nitric oxide production in the mouse, 116, 2251
- Effect of a new non-steroidal anti-inflammatory drug, nitroflurbiprofen, on the expression of inducible nitric oxide synthase in rat neutrophils, 115, 225
- Effects of nitric oxide synthase inhibition combined with nitric oxide inhalation in a porcine model of endotoxin shock, 114, 363
- Endogenous nitric oxide signalling system and the cardiac muscarinic acetylcholine receptor-inotropic response, 115, 1525
- Glibenclamide-induced inhibition of the expression of inducible nitric oxide synthase in cultured macrophages and in the anaesthetized rat, 114, 1273
- Group B Streptococcus and E. coli LPS-induced NO-dependent hyporesponsiveness to noradrenaline in isolated intrapulmonary arteries of neonatal piglets, 115, 261
- Impairment of nitrergic-mediated relaxation of rat isolated duodenum by experimental diabetes, 114, 919
- Increased striatal dopamine efflux in vivo following inhibition of cerebral nitric oxide synthase by the novel monosodium salt of 7-nitro indazole, 114, 257
- Induction of calcium-independent nitric oxide synthase by allergen challenge in sensitized rat lung in vivo, 116, 2545
- Inhibition by N-acetyl-5-hydroxytryptamine of nitric oxide synthase expression in cultured cells and in the anaesthetized rat, 115, 1175
- Inhibition by sodium nitroprusside of the expression of inducible nitric oxide synthase in rat neutrophils, 114, 1105
- The multiple organ dysfunction syndrome caused by endotoxin in the rat: attenuation of liver dysfunction by inhibitors of nitric oxide synthase, 116, 2845
- Nitric oxide synthase in dog urethra: a histochemical and pharmacological analysis, 116, 2517
- Nitric oxide synthase in human placenta and umbilical cord from normal, intrauterine growth-retarded and pre-eclamptic pregnancies, 116, 3099
- Platelet-activating factor: the effector of protein-rich plasma extravasation and nitric oxide synthase induction in rat immune complex peritonitis, 114, 895
- Protective effect of NO on gastric lesions and inhibition of expression of gastric inducible NOS by flurbiprofen and its nitro-derivative, nitroflurbiprofen, 116, 1713
- Protein kinase C and tyrosine kinase pathways regulate lipopolysaccharide-induced nitric oxide synthase activity in RAW 264.7 murine macrophages, 114, 482
- Release by ultraviolet B (u.v.B) radiation of nitric oxide (NO) from human keratinocytes: a potential role for nitric oxide in erythema production, 114, 1257
- The role of nitric oxide in cardiac depression induced by interleukin-1β and tumour necrosis factor-α, 114, 27
- Role of nitric oxide in learning and memory and in monoamine metabolism in the rat brain, 115, 852
- Study of NO and VIP as non-adrenergic non-cholinergic neurotransmitters in the pig gastric fundus, 116, 2017
- Nitric oxide synthase, constitutive, Aminoguanidine-provoked leukocyte adherence to rat mesenteric venules: role of constitutive nitric oxide synthase inhibition, 116, 2710
- Isothioureas: potent inhibitors of nitric oxide synthases with variable isoform selectivity, 114, 510
- Nitric oxide synthase, inducible, Cardiac and regional haemodynamics, inducible nitric oxide synthase (NOS) activity, and the effects of NOS inhibitors in conscious, endotoxaemic rats, 116, 2005
- Inducible nitric oxide synthase activity and expression in a human colonic epithelial cell line, HT-29, 116, 2866
- Induction of nitric oxide synthase and microvascular injury in the rat jejunum provoked by indomethacin, 116, 2286
- Isothioureas: potent inhibitors of nitric oxide synthases with variable isoform selectivity, 114, 510
- The multiple organ dysfunction syndrome caused by endotoxin in the

rat: attenuation of liver dysfunction by inhibitors of nitric oxide synthase, 116, 2845

- Sequential induction of nitric oxide synthase by Corynebacterium parvum in different organs of the mouse, 114, 689
- Nitric oxide synthase inhibition, Cerebrovascular consequences of repeated exposure to N^G-nitro-L-arginine methyl ester, 116, 2771
- Nitric oxide synthase inhibitors, Accumulation of endogenous inhibitors for nitric oxide synthesis and decreased content of L-arginine in regenerated endothelial cells, 115, 1001
- Alterations of insulin response to different β cell secretagogues and pancreatic vascular resistance induced by N^ω-nitro-L-arginine methyl ester. 116. 1965
- The antinociceptive effect of 1-(2-trifluoromethylphenyl) imidazole (TRIM), a potent inhibitor of neuronal nitric oxide synthase in vitro, in the mouse, 116, 2349
- Attenuation by nitrosothiol NO donors of acute intestinal microvascular dysfunction in the rat, 115, 498
- Cardiac and regional haemodynamics, inducible nitric oxide synthase (NOS) activity, and the effects of NOS inhibitors in conscious, endotoxaemic rats, 116, 2005
- Characterization of nitrergic neurotransmission during short- and longterm electrical stimulation of the rabbit anococcygeus muscle, 115, 1149
- Induction of nitric oxide synthase and microvascular injury in the rat ieiunum provoked by indomethacin. 116, 2286
- The multiple organ dysfunction syndrome caused by endotoxin in the rat: attenuation of liver dysfunction by inhibitors of nitric oxide synthase, 116, 2845
- Reduction of carrageenin oedema and the associated c-Fos expression in the rat lumbar spinal cord by nitric oxide synthase inhibitor, 114, 77
- Regulation of prostaglandin production by nitric oxide; an in vivo analysis, 114, 1171
- Nitrite, Inhibition by sodium nitroprusside of the expression of inducible nitric oxide synthase in rat neutrophils, 114, 1105
- The inhibitory effect of 3-amino-1,2,4-triazole on relaxation induced by hydroxylamine and sodium azide but not hydrogen peroxide or glyceryl trinitrate in rat aorta, 116, 3302
- Nitrite, plasma, Sequential induction of nitric oxide synthase by Corynebacterium parvum in different organs of the mouse, 114, 689
- 7-Nitro indazole, Increased striatal dopamine efflux in vivo following inhibition of cerebral nitric oxide synthase by the novel monosodium salt of 7-nitro indazole, 114, 257
- Nitroflurbiprofen, Effect of a new non-steroidal anti-inflammatory drug, nitroflurbiprofen, on the expression of inducible nitric oxide synthase in rat neutrophils, 115, 225
- Protective effect of NO on gastric lesions and inhibition of expression of gastric inducible NOS by flurbiprofen and its nitro-derivative, nitroflurbiprofen, 116, 1713
- Nitroglycerin, Comparisons of the effects of nicorandil, pinacidil, nicardipine and nitroglycerin on coronary vessels in the conscious dog: role of the endothelium, 114, 496
- Nitroglycerin-induced direct protection of the ischaemic myocardium in isolated working hearts of rats with vascular tolerance to nitroglycerin, 115, 1129
- Specificity of different organic nitrates to elicit NO formation in rabbit vascular tissues and organs in vivo, 116, 2743
- Nitroglycerin tolerance, Nitroglycerin-induced direct protection of the ischaemic myocardium in isolated working hearts of rats with vascular tolerance to nitroglycerin, 115, 1129
- N^G-Nitro-p-arginine methyl ester (p-NAME), Influence of nitric oxide synthase inhibition, nitric oxide and hydroperoxide on insulin release induced by various secretagogues, 114, 289
- N^G -Nitro-L-arginine methyl ester (L-NAME), Alterations of insulin response to different β cell secretagogues and pancreatic vascular resistance induced by N^G -nitro-L-arginine methyl ester, 116, 1965
- Assessment of renal dopaminergic system activity in the nitric oxidedeprived hypertensive rat model, 114, 1403
- Attenuation by creatine of myocardial metabolic stress in Brattleboro rats caused by chronic inhibition of nitric oxide synthase, 116, 3288
- Attenuation by nitrosothiol NO donors of acute intestinal microvascular dysfunction in the rat, 115, 498

- Cerebrovascular consequences of repeated exposure to N^G-nitro-Larginine methyl ester, 116, 2771
- Comparison of effects of chronic and acute administration of N^G-nitro-L-arginine methyl ester to the rat on inhibition of nitric oxide-mediated responses, 114, 1673
- Effect of inhibition of nitric oxide synthesis on the uptake of LDL and fibrinogen by arterial walls and other organs of the rat, 114, 1490
- Effects of pH on responses to adenosine, CGS 21680, carbachol and nitroprusside in the isolated perfused superior mesenteric arterial bed of the rat, 116, 2641
- Endotoxin inhibition of distension-stimulated gastric acid secretion in rat: mediation by NO in the central nervous system, 114, 8
- Evidence that nitric oxide from the endothelium attenuates inherent tone in isolated pulmonary arteries from rats with hypoxic pulmonary hypertension, 114, 109
- Identification of a prostanoid FP receptor population producing endothelium-dependent vasorelaxation in the rabbit jugular vein, 116, 3035
- Increase by N^G-nitro-L-arginine methyl ester (L-NAME) of resistance to venous return in rats, 114, 1454
- Induction of nitric oxide synthase and microvascular injury in the rat jejunum provoked by indomethacin, 116, 2286
- Influence of nitric oxide synthase inhibition, nitric oxide and hydroperoxide on insulin release induced by various secretagogues, 114, 289
- Loss of NADPH-diaphorase containing neurones after reversible focal ischaemia in rats delayed by L-NAME, 116, 2344
- Mediation by prostaglandins of the nitric oxide-induced neurogenic vasodilatation in rat skin, 116, 2365
- Reduction by N^G-nitro-L-arginine methyl ester (L-NAME) of antigeninduced nasal airway plasma extravasation in human subjects in vivo, 116, 1720
- The role of nitric oxide in the altered vascular reactivity of pregnancy in the rat, 114, 955
- The role of nitric oxide in cardiac depression induced by interleukin-1β and tumour necrosis factor-α, 114, 27
- Significance of nitric oxide in the stimulation of intestinal fluid absorption in the rat jejunum in vivo, 114, 13
- N^G -Nitro-L-arginine (L-NOARG), Attenuation of adrenomedullin-induced renal vasodilatation by N^G -nitro L-arginine but not gliben-clamide, 115, 917
- Co-induction of nitric oxide synthase and cyclo-oxygenase: interactions between nitric oxide and prostanoids, 114, 1335
- Endothelium-dependent relaxations in sheep pulmonary arteries and veins: resistance to block by N^G -nitro-L-arginine in pulmonary hypertension, 116, 2457
- Impaired endothelium-dependent relaxation in isolated resistance arteries of spontaneously diabetic rats, 116, 3251
- Involvement of nitric oxide in the non-adrenergic non-cholinergic neurotransmission of horse deep penile arteries: role of charybdotoxinsensitive K⁺-channels, 116, 2582
- Nitric oxide, an enteric nonadrenergic-noncholinergic relaxant transmitter: evidence using phosphodiesterase V and nitric oxide synthase inhibition, 116, 1789
- Vascular pharmacology of methylene blue in vitro and in vivo: a comparison with N^G-nitro-L-arginine and diphenyleneiodonium, 114, 194
- The in vivo effect of lipopolysaccharide on the spontaneous release of transmitter from motor nerve terminals, 116, 1757
- Nitroprusside, Effects of nicorandil on the recovery of reflex potentials after spinal cord ischaemia in cats, 116, 1815
- Effects of pH on responses to adenosine, CGS 21680, carbachol and nitroprusside in the isolated perfused superior mesenteric arterial bed of the rat. 116, 2641
- Involvement of superoxide and xanthine oxidase in neutrophilindependent rat gastric damage induced by NO donors, 116, 1843
- S-Nitroso-N-acetyl-penicillamine, Attenuation by nitrosothiol NO donors of acute intestinal microvascular dysfunction in the rat, 115, 498
- Effect of nitric oxide on integrity, blood flow and cyclic GMP levels in the rat gastric mucosa: modulation by sialoadenectomy, 115, 344
- Involvement of superoxide and xanthine oxidase in neutrophil-

- independent rat gastric damage induced by NO donors, 116, 1843
- The effect of nitric oxide donors on haemodynamics and blood flow distribution in the porcine carotid circulation, 114, 1303
- S-Nitroso-cysteine, Copper chelation-induced reduction of the biological activity of S-nitrosothiols, 114, 1083
- S-Nitroso-glutathione, Attenuation by nitrosothiol NO donors of acute intestinal microvascular dysfunction in the rat, 115, 498
- Copper chelation-induced reduction of the biological activity of Snitrosothiols, 114, 1083
- Possible role of Na⁺-K⁺-ATPase in the regulation of human corpus cavernosum smooth muscle contractility by nitric oxide, 116, 2201
- Nitrosothiols, Attenuation by nitrosothiol NO donors of acute intestinal microvascular dysfunction in the rat, 115, 498
- Involvement of superoxide and xanthine oxidase in neutrophil-independent rat gastric damage induced by NO donors, 116, 1843
- S-Nitrosothiols, Comparison of the pharmacological profile of S-nitrosothiols, nitric oxide and the nitregic neurotransmitter in the canine ileocolonic junction, 114, 1179
- Copper chelation-induced reduction of the biological activity of Snitrosothiols, 114, 1083
- Nitrovasodilators, The ineffectiveness of the NO-cyclic GMP signalling pathway in the atrial myocardium, 116, 3061
- Involvement of superoxide and xanthine oxidase in neutrophilindependent rat gastric damage induced by NO donors, 116, 1843
- NKY-722, The receptor occupation and plasma concentration of NKY-722, a water-soluble dihydropyridine-type calcium antagonist, in spontaneously hypertensive rats, 114, 217
- NMDA, The effect of the desglycinyl metabolite of remacemide hydrochloride (FPL 12495AA) and dizocilpine (MK-801) on endogenous amino acid release from mouse cortex, 116, 3087
- Electrophysiological actions of felbamate on rat striatal neurones, 116, 2053
- Inhibition by dizocilpine (MK-801) of striatal dopamine release induced by MPTP and MPP⁺: possible action at the dopamine transporter, 114, 315
- Modulation of excitatory amino acid responses by tachykinins and selective tachykinin receptor agonists in the rat spinal cord, 115, 1005
- Participation of NMDA and non-NMDA excitatory amino acid receptors in the mediation of spinal reflex potentials in rats: an in vivo study, 114, 1193
- NMDA receptors, Blockade by polyamine NMDA antagonists related to ifenprodil of NMDA-induced synthesis of cyclic GMP, increases in calcium and cytotoxicity in cultured neurones, 114, 1359
- Electrophysiological actions of phenytoin on N-methyl-D-aspartate receptor-mediated responses in rat hippocampus in vitro, 115, 67
- Inhibition by propofol (2,6 di-isopropylphenol) of the N-methyl-p-aspartate subtype of glutamate receptor in cultured hippocampal neurones, 116, 1761
- Modulation of NMDA effects on agonist-stimulated phosphoinositide turnover by memantine in neonatal rat cerebral cortex, 114, 797
- NMDA-induced glutamate and aspartate release from rat cortical pyramidal neurones: evidence for modulation by a 5-HT_{1A} antagonist, 115, 1169
- Participation of NMDA and non-NMDA excitatory amino acid receptors in the mediation of spinal reflex potentials in rats: an in vivo study, 114, 1193
- Pentobarbitone modulation of NMDA receptors in neurones isolated from the rat olfactory brain, 116, 3005
- NMDA receptor antagonists, The contribution of NMDA receptor activation to spinal c-Fos expression in a model of inflammatory pain, 116, 1628
- Effect of the NMDA-antagonist, MK 801, on benzodiazepine-opioid interactions at the spinal and supraspinal level in rats, 114, 1097
- Nociception, Central versus peripheral site of action of the tachykinin NK₁-antagonist RP 67580 in inhibiting chemonociception, 115, 486
- Modulation of excitatory amino acid responses by tachykinins and selective tachykinin receptor agonists in the rat spinal cord, 115, 1005
- Nociceptive tests, Effect of the NMDA-antagonist, MK 801, on benzodiazepine-opioid interactions at the spinal and supraspinal level in rats, 114, 1097
- Nodose ganglion, Functional dopamine D_2 receptors on rat vagal afferent

neurones, 114, 1329

- Noise analysis, Pentobarbitone modulation of NMDA receptors in neurones isolated from the rat olfactory brain, 116, 3005
- Non-adrenergic non-cholinergic nerves, Characteristics of the NANC post-stimulus ('rebound') contraction of the urinary bladder neck muscle in sheep, 116, 2451
- Distribution and effects of pituitary adenylate cyclase activating peptide in cat and human lower oesophageal sphincter, 116, 2873
- Effect of diabetes on relaxations to non-adrenergic, non-cholinergic nerve stimulation in longitudinal muscle of the rat gastric fundus, 116, 1551
- Non-adrenergic non-cholinergic transmission, Calcitonin gene-related peptide (CGRP)-enhanced non-adrenergic non-cholinergic contraction of guinea-pig proximal colon, 115, 1290
- Comparison of the pharmacological profile of S-nitrosothiols, nitric oxide and the nitrergic neurotransmitter in the canine ileocolonic junction, 114, 1179
- Evidence that tachykinin NK₁ and NK₂ receptors mediate nonadrenergic non-cholinergic excitation and contraction in the circular muscle of guinea-pig duodenum, 115, 237
- Factors involved in the relaxation of female pig urethra evoked by electrical field stimulation, 116, 1599
- Impairment of nitrergic-mediated relaxation of rat isolated duodenum by experimental diabetes, 114, 919
- Influence of age on the signal transduction pathway of non-adrenergic non-cholinergic neurotransmitters in the rat gastric fundus, 114, 640
- Inhibition of rat colon contractility by prostacyclin (IP-) receptor agonists: involvement of NANC neurotransmission, 115, 163
- Inhibition of sympathetic vasoconstriction in pigs in vivo by the neuropeptide Y-Y₁ receptor antagonist BIBP 3226, 116, 2971
- Involvement of nitric oxide in the non-adrenergic non-cholinergic neurotransmission of horse deep penile arteries: role of charybdotoxinsensitive K⁺-channels, 116, 2582
- NANC neurotransmission in lamina propria of the rabbit urethra: regulation by different subsets of calcium channels, 115, 1020
- Nitric oxide, an enteric nonadrenergic-noncholinergic relaxant transmitter: evidence using phosphodiesterase V and nitric oxide synthase inhibition, 116, 1789
- Pharmacological identification of different inhibitor mediators involved in the innervation of the internal anal sphincter, 115, 158
- Pituitary adenylate cyclase-activating polypeptide, helospectin, and vasoactive intestinal polypeptide in human corpus cavernosum, 116, 2258
- Regulation by phosphodiesterase isoenzymes of non-adrenergic noncholinergic contraction in guinea-pig isolated main bronchus, 116, 2334
- Study of NO and VIP as non-adrenergic non-cholinergic neurotransmitters in the pig gastric fundus, 116, 2017
- Non-steroidal anti-inflammatory drugs, Contribution of interleukin-1β to the inflammation-induced increase in nerve growth factor levels and inflammatory hyperalgesia, 115, 1265
- Effect of a new non-steroidal anti-inflammatory drug, nitroflurbiprofen, on the expression of inducible nitric oxide synthase in rat neutrophils, 115, 225
- Haemostatic mechanism in the endometrium: role of cyclo-oxygenase products and coagulation factors, 114, 975
- Protective effect of NO on gastric lesions and inhibition of expression of gastric inducible NOS by flurbiprofen and its nitro-derivative, nitroflurbiprofen, 116, 1713
- Non-selective cation currents, Mechanism of activation of nonselective cation channels by putative M₄ muscarinic receptor in guinea-pig chromaffin cells, 114, 419
- Noradrenaline, Calcium compartments in vascular smooth muscle cells as detected by aequorin signal, 116, 3000
- Changes in $[^3H]$ -UK14304 binding to α_2 -adrenoceptors in morphine-dependent guinea-pigs, 116, 3125
- Characterization of α_1 -adrenoceptors mediating vasoconstriction to noradrenaline and nerve stimulation in the isolated perfused mesentery of rat, 114, 531
- A comparison of the effects of exogenous and endogenous prostaglandins on fast and slow contractions of field-stimulated guinea-pig vas deferens. 116, 2679

 Contrasting effects of the imidazol(in)e α₂-adrenoceptor agonists, medetomidine, clonidine and UK 14,304 on extraneuronal levels of noradrenaline in the rat frontal cortex: evaluation using *in vivo* microdialysis and synaptosomal uptake studies, 114, 1717

- Cytosolic calcium concentration-force relation during contractions in the rabbit femoral artery: time-dependency and stimulus specificity, 114, 329
- Delayed circulatory failure due to the induction of nitric oxide synthase by lipoteichoic acid from Staphylococcus aureus in anaesthetized rats, 114, 1317
- Effect of the vascular endothelium on noradrenaline-induced contractions in non-pregnant and pregnant guinea-pig uterine arteries, 114, 805
- Effects of portal hypertension on responsiveness of rat mesenteric artery and aorta, 114, 791
- Electrical activity in rat tail artery during asynchronous activation of postganglionic nerve terminals by ciguatoxin-1, 116, 2213
- Elevation of plasma noradrenaline levels in urethane-anaesthetized rats by activation of central prostanoid EP₃ receptors, 115, 672
- Exposure and characterization of the action of noradrenaline at dopamine receptors mediating endothelium-independent relaxation of rat isolated small mesenteric arteries, 116, 3237
- Group B Streptococcus and E. coli LPS-induced NO-dependent hyporesponsiveness to noradrenaline in isolated intrapulmonary arteries of neonatal piglets, 115, 261
- Local cardiac effects of substance P: roles of acetylcholine and noradrenaline, 114, 283
- Mediation of noradrenaline-induced contractions of rat aorta by the α_{1B} -adrenoceptor subtype, 114, 745
- Noradrenaline contractions of human prostate mediated by α_{1A} (α_{1C} .)adrenoceptor subtype, 115, 781
- Noradrenaline-induced relaxation of rat oesophageal muscularis mucosae: mediation solely by innervated β₃-adrenoceptors, 116, 1945
- Pharmacological characterization of noradrenaline-induced contractions of the porcine isolated palmar lateral vein and palmar common digital artery, 114, 694
- Postjunctional α_1 and β -adrenoceptor effects of noradrenaline on electrical slow waves and phasic contractions of cat colon circular muscle, 116, 3265
- Reduction by β-adrenoceptor blockade of hypoxia-induced right heart hypertrophy in the rat, 116, 2698
- Reduction by oral propranolol treatment of left ventricular hypertrophy secondary to pressure-overload in the rat, 116, 2703
- Regional involvement of an endothelium-derived contractile factor in the vasoactive actions of neuropeptide Y in bovine isolated retinal arteries, 116, 2729
- Renal vasodilatation by dopexamine and fenoldopam due to α_1 -adrenoceptor blockade, 115, 349
- Sustained negative inotropism mediated by α-adrenoceptors in adult mouse myocardia: developmental conversion from positive response in the neonate, 114, 673

Noradrenaline release, Adrenoceptor-modulated release of noradrenaline in human right atrium, 116, 2617

- Effects of 5-HT receptor agonists on depolarization-induced [³H]noradrenaline release in rabbit hippocampus and human neocortex, 116,
 1760
- Hypertension and enhanced β -adrenoceptor-mediated facilitation of noradrenaline release produced by chronic blockade of adenosine receptors, 114, 1595
- Increase of noradrenaline release in the hypothalamus of freely moving rat by postsynaptic 5-hydroxytryptamine_{1A} receptor activation, 115, 703
- Inhibition of cyclic GMP-dependent protein kinase-mediated effects by (Rp)-8-bromo-PET-cyclic GMPS, 116, 3110
- Modulatory effect of bradykinin on the release of noradrenaline from rat isolated atria, 115, 330
- P₂-purinoceptor-mediated inhibition of noradrenaline release in rat atria. 115, 247
- Protein kinase C involvement in maintenance and modulation of
- noradrenaline release in the mouse brain cortex, 116, 2757 Rapid, agonist-induced desensitization of α_2 -autoreceptors modulating transmitter release, 114, 1143
- UTP- and ATP-triggered transmitter release from rat sympathetic

neurones via separate receptors, 116, 2341

- Noradrenaline uptake, Contrasting effects of the imidazol(in)e α₂-adrenoceptor agonists, medetomidine, clonidine and UK 14,304 on extraneuronal levels of noradrenaline in the rat frontal cortex: evaluation using *in vivo* microdialysis and synaptosomal uptake studies, 114, 1717
- Northern blots, The α_{IC} -adrenoceptor in human prostate: cloning, functional expression, and localization to specific prostatic cell types, 115, 1475
- Long-term carbachol treatment-induced down-regulation of muscarinic M₂-receptors but not m₂ receptor mRNA in a human lung cell line, 116, 2027
- Noxiustoxin, Modulation of acetylcholine release at mouse neuromuscular junctions by interaction of three homologous scorpion toxins with K⁺ channels, 114, 1502
- NPC 17731, Characterization of kinin receptors modulating neurogenic contractions of the mouse isolated vas deferens, 114, 1471
- NPC 17761, Involvement of B₂ receptors in the bradykinin-induced relaxation of guinea-pig isolated trachea, 114, 103
- NS 398, Effects of the novel anti-inflammatory compounds, N-[2-(cyclohexyloxy)-4-nitrophenyl] methanesulphonamide (NS-398) and 5-methanesulphonamido-6-(2,4-difluorothiophenyl)-1-indanone (L-745,337), on the cyclo-oxygenase activity of human blood prostaglandin endoperoxide synthases, 116, 2429
- NS 004, A comparison of the effects of SCA40, NS 004 and NS 1619 on large conductance Ca²⁺-activated K⁺ channels in bovine tracheal smooth muscle cells in culture, 116, 1656
- NS 1619, A comparison of the effects of SCA40, NS 004 and NS 1619 on large conductance Ca^{2+} -activated K^+ channels in bovine tracheal smooth muscle cells in culture, 116, 1656
- Nucleoside diphosphate kinase, Inhibition by cromoglycate and some flavonoids of nucleoside diphosphate kinase and of exocytosis from permeabilized mast cells, 115, 1080
- Nucleoside diphosphates, Time-dependent fading of the activation of K_{ATP} channels, induced by aprikalim and nucleotides, in excised membrane patches from cardiac myocytes, **115**, 117
- 5'-Nucleotidase, Evidence that [³H]-α,β-methylene ATP may label an endothelial-derived cell line 5'-nucleotidase with high affinity, 115, 767
- Nucleotides, Pharmacological selectivity of the cloned human P_{2U}-purinoceptor: potent activation by diadenosine tetraphosphate, 116, 1619
- Structure-activity relationship of a pyrimidine receptor in the rat isolated superior cervical ganglion, 116, 2764
- Nucleotide receptors, Synergy between the inositol phosphate responses to transfected human adenosine A₁-receptors and constitutive P₂-purinoceptors in CHO-K1 cells, 115, 1415
- Nucleus accumbens, Biphasic inhibition of stimulated endogenous dopamine release by 7-OH-DPAT in slices of rat nucleus accumbens, 115, 421
- Changes in benzodiazepine-GABA receptor coupling in an accumbenshabenula circuit after chronic diazepam treatment, 116, 2375
- Nucleus tractus solitarius, The anti-emetic effects of CP-99,994 in the ferret and the dog: role of the NK_1 receptor, 115, 84
- Functional dopamine D₂ receptors on rat vagal afferent neurones, 114, 1329

0

- Obesity, Effects of metformin treatment on glucose transporter proteins in subcellular fractions of skeletal muscle in (fa/fa) Zucker rats, 115, 1182
- Octopamine receptors, Pharmacology of the octopamine receptor from locust central nervous tissue (OAR3), 114, 210
- Oedema, Effects of the ET_A/ET_B receptor antagonist, bosentan on endothelin-1-induced myocardial ischaemia and oedema in the rat, 116, 1745
- Inhibition of carrageenin-induced rat paw oedema by crotapotin, a polypeptide complexed with phospholipase A₂, 114, 578
- An investigation into the mechanism of capsaicin-induced oedema in rabbit skin, 114, 570
- Involvement of B₁ and B₂ receptors in bradykinin-induced rat paw oedema, 114, 1005

- Modulation by nitric oxide of prostaglandin biosynthesis in the rat, 114, 323
- Reduction of carrageenin oedema and the associated c-Fos expression in the rat lumbar spinal cord by nitric oxide synthase inhibitor, 114, 77
- Reduction of inflammation and pyrexia in the rat by oral administration of SDZ 224-015, an inhibitor of the interleukin-1β converting enzyme, 115, 601
- Oedema, inflammatory, Platelet-activating factor: the effector of proteinrich plasma extravasation and nitric oxide synthase induction in rat immune complex peritonitis, 114, 895
- Oedema, pulmonary, A role for endothelin in bicuculline-induced neurogenic pulmonary oedema in rats, 115, 753
- Oedema formation, Substance P-induced inflammatory responses in guinea-pig skin: The effect of specific NK₁ receptor antagonists and the role of endogenous mediators, 114, 1343
- Oesophagogastric junction, Distribution and effects of pituitary adenylate cyclase activating peptide in cat and human lower oesophageal sphincter, 116, 2873
- Oesophagus, Photosensitization of oesophageal smooth muscle by 3-NO₂-1,4-dihydropyridines: evidence for two cyclic GMP-dependent effector pathways, 116, 3293
- Oesophagus, rat, A comparative study of functional 5-HT₄ receptors in human colon, rat oesophagus and rat ileum, 115, 47
- Noradrenaline-induced relaxation of rat oesophageal muscularis mucosae: mediation solely by innervated β₃-adrenoceptors, 116, 1945
- RS 39604: a potent, selective and orally active 5-HT₄ receptor antagonist, 115, 1087
- Oestradiol, Role of endothelium in the human uterine arteries during normal menstrual cycle. 114, 902
- Oestrogens, Comparison between novel steroid-like and conventional nonsteroidal antioestrogens in inhibiting oestradiol- and IGF-I-induced proliferation of human breast cancer-derived cells, 116, 2391
- 8-OH-DPAT, Drug-induced defaecation in rats: role of central 5-HT_{1A} receptors, 115, 203
- OK cells, pH-dependent transport of procainamide in cultured renal epithelial monolayers of OK cells: consistent with nonionic diffusion, 116, 1685
- Olfactory bulb, Pentobarbitone modulation of NMDA receptors in neurones isolated from the rat olfactory brain, 116, 3005
- Olfactory tubercle, Pentobarbitone modulation of NMDA receptors in neurones isolated from the rat olfactory brain, 116, 3005
- Oncostatin M, Regulation of kinin-induced contraction and DNA synthesis by inflammatory cytokines in the smooth muscle of the rabbit aorta, 116, 1673
- Ondansetron, Evidence that 5-HT_{1D} receptors mediate inhibition of sympathetic ganglionic transmission in anaesthetized cats, 116, 1715
- Pharmacological characterization of RS 25259-197, a novel and selective 5-HT₃ receptor antagonist, in vivo, 114, 860
- ONO-NT-012, Blockade by ONO-NT-012, a unique prostanoid analogue, of prostaglandin E₂-induced allodynia in conscious mice, 115, 73
- OPC-18790, Differential effects of OPC-18790, amrinone and dobutamine on cardiac function and energy metabolism in the guinea-pig isolated ischaemic heart, 114, 1090
- Opiates, Effect of morphine on the nerve terminal impulse and transmitter release from sympathetic varicosities innervating the mouse vas deferens, 116, 2852
- The effect of opiates on the terminal nerve impulse and quantal secretion from visualized amphibian nerve terminals, 115, 441
- Inhibition of morphine withdrawal by the association of RB 101, an inhibitor of enkephalin catabolism, and the CCK_B antagonist PD-134,308, 114, 1031
- Opiate withdrawal, Inhibition of morphine withdrawal by the association of RB 101, an inhibitor of enkephalin catabolism, and the CCK_B antagonist PD-134,308, 114, 1031
- Opioids, Characterization of acute homologous desensitization of μopioid receptor-induced currents in locus coeruleus neurones, 115, 925
- Desensitization of the μ-opioid activation of phospholipase C in SH-SY5Y cells: the role of protein kinases C and A and Ca²⁺-activated K⁺ currents, 116, 2655
- Effect of the NMDA-antagonist, MK 801, on benzodiazepine-opioid interactions at the spinal and supraspinal level in rats, 114, 1097

 Hyperpolarization by GABA_B receptor agonists in mid-brain periaqueductal gray neurones in vitro, 116, 1583

- S14080, a peripheral analgesic acting by release of an endogenous circulating opioid-like substance, 114, 303
- Opioid activity, Production of antinociception by peripheral administration of [Lys 7]dermorphin, a naturally occurring peptide with high affinity for μ -opioid receptors, 114, 57
- Opioid dependence, Acute withdrawal after bremazocine and the interaction between μ and κ -opioid receptors in isolated gut tissues, 114, 1206
- Opioid receptors, Unexpected prosecretory action component of loperamide at μ-opioid receptors in the guinea-pig colonic mucosa *in vitro*, 114, 739
- Opioid receptor agonists, Regional haemodynamic effects of μ-, δ-, and κ-opioid agonists microinjected into the hypothalamic paraventricular nuclei of conscious, unrestrained rats, 115, 613
- Opioid receptor subtypes, Evidence for lack of modulation of μ -opioid agonist action by δ -opioid agonists in the mouse vas deferens and guinea-pig ileum, 114, 1064
- Opioid δ receptors, Evidence for lack of modulation of μ -opioid agonist action by δ -opioid agonists in the mouse vas deferens and guinea-pig ileum, 114, 1064
- Opioid δ receptor agonists, Interaction between the μ -agonist dermorphin and the δ -agonist [D-Ala²,Glu⁴]deltorphin in supraspinal antinociception and δ -opioid receptor binding, 116, 2931
- Opioid κ agonists, Acute withdrawal after bremazocine and the interaction between μ and κ -opioid receptors in isolated gut tissues, 114, 1206
- Opioid μ receptors, Characterization of acute homologous desensitization of μ -opioid receptor-induced currents in locus coeruleus neurones, 115, 925
- Evidence for lack of modulation of μ -opioid agonist action by δ-opioid agonists in the mouse vas deferens and guinea-pig ileum, 114, 1064
- Production of antinociception by peripheral administration of [Lys⁷]dermorphin, a naturally occurring peptide with high affinity for μopioid receptors, 114, 57
- Opioid μ receptor agonists, Interaction between the μ -agonist dermorphin and the δ -agonist [D-Ala²,Glu⁴]deltorphin in supraspinal antinociception and δ -opioid receptor binding, 116, 2931
- Subgroups among μ-opioid receptor agonists distinguished by ATPsensitive K⁺ channel-acting drugs, 114, 1296
- Opioid μ receptor antagonists, Acute withdrawal after bremazocine and the interaction between μ and κ -opioid receptors in isolated gut tissues, 114, 1206
- Org-9487, Neuromuscular blocking profile of the vecuronium analogue, Org-9487, in the rat isolated hemidiaphragm preparation, 116, 3049
- Ouabain, Modulation of the isoprenaline-induced membrane hyperpolarization of mouse skeletal muscle cells, 116, 2881
- Possible role of Na⁺-K⁺-ATPase in the regulation of human corpus cavernosum smooth muscle contractility by nitric oxide, 116, 2201
- Ovalbumin, Airway hyper- or hyporeactivity to inhaled spasmogens 24 h after ovalbumin challenge of sensitized guinea-pigs, 116, 2351
- Effects of IZP-94005 (contignasterol) on antigen-induced bronchial responsiveness in ovalbumin-sensitized guinea-pigs, 115, 1433
- Inhibition of bronchoconstriction by pituitary adenylate cyclase activating polypeptide (PACAP 1-27) in guinea-pigs in vivo, 115, 913
- Potentiation by viral respiratory infection of ovalbumin-induced guinea-pig tracheal hyperresponsiveness: role for tachykinins, 115, 1048
- Prevention by the tachykinin NK₂ receptor antagonist, SR 48968, of antigen-induced airway hyperresponsiveness in sensitized guinea-pigs, 114, 259
- β-Oxidation, Selective modification of rat hepatic microsomal fatty acid chain elongation and desaturation by fibrates: relationship with peroxisome proliferation, 114, 1351
- Oxidative burst, NPC 15669-modulated human polymorphonuclear neutrophil functional responsiveness: effects on receptor-coupled signal transduction, 114, 1694
- Oxidative stress, The formation of nitric oxide donors from peroxynitrite, 116, 1999
- Oxotremorine, Mechanism of activation of nonselective cation channels

by putative M_4 muscarinic receptor in guinea-pig chromaffin cells, 114, 419

- Oxymetazoline, α_{1A}-Adrenoceptor-mediated contractile responses of the human vas deferens, 116, 1605
- Selectivity of the imidazoline α-adrenoceptor agonists (oxymetazoline and cirazoline) for human cloned α₁-adrenoceptor subtypes, 116, 1611
- Oxytocin, Cellular localization of the inhibitory action of relaxin against uterine spasm, 116, 3028

P

- P1075, Potentiation of P1075-induced K⁺ channel opening by stimulation of adenylate cyclase in rat isolated aorta, 115, 515
- Pain, Central versus peripheral site of action of the tachykinin NK₁antagonist RP 67580 in inhibiting chemonociception, 115, 486
- Contribution of interleukin-1β to the inflammation-induced increase in nerve growth factor levels and inflammatory hyperalgesia, 115, 1265
- Meta-chlorophenylpiperazine attenuates formalin-induced nociceptive responses through 5-HT_{1/2} receptors in both normal and diabetic mice, 116, 3133
- New high affinity peptide antagonists to the spinal galanin receptor, 116, 2076
- Pain, inflammatory, The contribution of NMDA receptor activation to spinal c-Fos expression in a model of inflammatory pain, 116, 1628
- Pain, visceral, Differences between 5-HT₃ receptor antagonists in modulation of visceral hypersensitivity, 114, 558
- RS 39604: a potent, selective and orally active 5-HT₄ receptor antagonist, 115, 1087
- Pancreatic β -cells, Multiple effects and stimulation of insulin secretion by the tyrosine kinase inhibitor genistein in normal mouse islets, 114, 872
- Pancreatic islets, Influence of nitric oxide synthase inhibition, nitric oxide and hydroperoxide on insulin release induced by various secretagogues, 114, 289
- Pancreatic polypeptides, Functional characterization of receptors with affinity for PYY, NPY, [Leu³¹,Pro³⁴]NPY and PP in a human colonic epithelial cell line, 116, 2673
- Parasympathetic nerves, Calcium channel subtypes for the sympathetic and parasympathetic nerves of guinea-pig atria, 116, 1577
- Characterization of muscarinic receptors mediating relaxation and contraction in the rat iris dilator muscle, 114, 769
- Pertussis toxin-sensitive muscarinic relaxation in the rat iris dilator muscle, 114, 777
- Potentiation by endothelin-1 of cholinergic nerve-mediated contractions in mouse trachea via activation of ET_B receptors, 114, 563
- Parasympathomimetics, Application of a model to explore interspecies differences in acetylcholine M-receptor-stimulated gastric acid secretion, 115, 961
- Parathyroid hormone, Heparin-insensitive calcium release from intracellular stores triggered by the recombinant human parathyroid hormone receptor, 114, 1613
- Paraventricular nuclei, Regional haemodynamic effects of μ-, δ-, and κopioid agonists microinjected into the hypothalamic paraventricular nuclei of conscious, unrestrained rats, 115, 613
- Parkinson's disease, 5-Hydroxytryptamine (5-HT)₄ receptors in post mortem human brain tissue: distribution, pharmacology and effects of neurodegenerative diseases, 114, 993
- Paroxetine, The interaction of antidepressant drugs with central and peripheral (enteric) 5-HT₃ and 5-HT₄ receptors, 114, 1017
- Partial agonists, Characterization of [3H]-imidazenil binding to rat brain membranes, 114, 1159
- Patch clamp, β-Adrenoceptor subtypes in young and old rat ventricular myocytes: a combined patch-clamp and binding study, 116, 1835
- Anaesthetic modulation of nicotinic ion channel kinetics in bovine chromaffin cells, 114, 909
- A comparison of the effects of SCA40, NS 004 and NS 1619 on large conductance Ca²⁺-activated K⁺ channels in bovine tracheal smooth muscle cells in culture, 116, 1656
- Cyclic GMP-mediated inhibition of L-type Ca²⁺ channel activity by human natriuretic peptide in rabbit heart cells, 114, 1076
- Effect of P₂-purinoceptor antagonists on glutamatergic transmission in the rat hippocampus, 115, 1276

- Electrophysiological actions of felbamate on rat striatal neurones, 116, 2053
- An electrophysiological investigation of the properties of a murine recombinant 5-HT₃ receptor stably expressed in HEK 293 cells, 114, 1211
- Enhancement by GABA of the association rate of picrotoxin and tertbutylbicyclophosphorothionate to the rat cloned α1β2γ2 GABA_A receptor subtype, 115, 539
- Inhibition by propofol (2,6-di-isopropylphenol) of the N-methyl-D-aspartate subtype of glutamate receptor in cultured hippocampal neurones, 116, 1761
- Inhibitory action of SR33557 on L-type calcium current in single ventricular myocytes of rat, 114, 468
- Interaction of β-carboline inverse agonists for the benzodiazepine site with another site on GABA_A receptors, 114, 1040
- [³H]-Lifarizine, a high affinity probe for inactivated sodium channels, 115, 1103
- Pentobarbitone modulation of NMDA receptors in neurones isolated from the rat olfactory brain, 116, 3005
- Potentiation, activation and blockade of GABA_A receptors of clonal murine hypothalamic GT1-7 neurones by propofol, 115, 953
- Time-dependent fading of the activation of K_{ATP} channels, induced by aprikalim and nucleotides, in excised membrane patches from cardiac myocytes. 115, 117
- Paw test, Antinociceptive activity of the tachykinin NK₁ receptor antagonist, CP-99,994, in conscious gerbils, 116, 1937
- PC12 cells, Inhibition by Zn²⁺ of uridine 5'-triphosphate-induced Ca²⁺-influx but not Ca²⁺-mobilization in rat phaeochromocytoma cells, 115, 1502
- PD 123177, Comparative effects of angiotensin II and its degradation products angiotensin III and angiotensin IV in rat aorta, 116, 2963
- PD 123319, Evidence for the involvement of different receptor subtypes in the pre- and postjunctional actions of angiotensin II at rat sympathetic neuroeffector sites, 114, 1057
- Species-related differences in inotropic effects of angiotensin II in mammalian ventricular muscle: receptors, subtypes and phosphoinositide hydrolysis, 114, 447
- PD 134308, Inhibition of morphine withdrawal by the association of RB 101, an inhibitor of enkephalin catabolism, and the CCK_B antagonist PD-134,308, 114, 1031
- PD 142893, Pharmacological evidence for the presence of three distinct functional endothelin receptor subtypes in the rabbit lateral saphenous vein, 114, 1529
- PD 151242, Endothelin ET_A and ET_B mRNA and receptors expressed by smooth muscle in the human vasculature: majority of the ET_A sub-type, 114, 1110
- Endothelin ET_A receptor expression in human cerebrovascular smooth muscle cells, 116, 2441
- Selectivity of [¹²⁵I]-PD151242 for human, rat and porcine endothelin ET_A receptors in the heart, 114, 297
- [³H]-PDBu binding, Protein kinase C in rat brain cortex and hippocampus: effect of repeated administration of fluoxetine and desipramine, 115, 595
- Penile erection, Possible role of Na⁺-K⁺-ATPase in the regulation of human corpus cavernosum smooth muscle contractility by nitric oxide, 116, 2201
- Pentagastrin, The use of receptor desensitization to analyse CCK_A and CCK_B/gastrin receptors coupled to contraction in guinea-pig stomach muscle, 114, 339
- Pentobarbitone, Pentobarbitone modulation of NMDA receptors in neurones isolated from the rat olfactory brain, 116, 3005
- Pentoxifylline, The in vivo effect of lipopolysaccharide on the spontaneous release of transmitter from motor nerve terminals, 116, 1757
- Pepsin, Effects of the selective I₁ imidazoline receptor agonist, moxonidine, on gastric secretion and gastric mucosal injury in rats, 114, 751
- Pepsin secretion, R-α-methylhistamine-induced inhibition of gastric acid secretion in pylorus-ligated rats via central histamine H₃ receptors, 115,
- Pepstatin A, Secretion of endothelin-1 and endothelin-3 by human

- cultured vascular smooth muscle cells, 114, 551
- Peptidases, Bradykinin B₁ receptors in the rabbit urinary bladder: induction of responses, smooth muscle contraction, and phosphatidylinositol hydrolysis, 114, 612
- Phosphorus-containing peptides as mixed inhibitors of endopeptidase 3.4.24.15 and 3.4.24.16: effect on neurotensin degradation in vitro and in vivo, 115, 1053
- Potentiation by aminopeptidase P of blood pressure response to bradykinin, 114, 6
- Peptide receptors, Regulation of muscle glycogen metabolism by CGRP and amylin: CGRP receptors not involved, 115, 713
- Peptide YY, Inhibition of sympathetic vasoconstriction in pigs *in vivo* by the neuropeptide Y-Y₁ receptor antagonist BIBP 3226, 116, 2971
- Periaqueductal gray, Hyperpolarization by GABA_B receptor agonists in mid-brain periaqueductal gray neurones in vitro, 116, 1583
- Involvement of endothelin in the pressor response following injection of NMDA to the periaqueductal gray area of rats, 116, 2787
- Peripheral resistance, Effects of pinacidil on arterial and venous resistances and mean circulatory filling pressure in rats, 116, 2322
- Increase by N^G-nitro-L-arginine methyl ester (L-NAME) of resistance to
- venous return in rats, 114, 1454

 Peristalsis, Functional characterization of the adenosine receptor
- mediating inhibition of peristalsis in the rat jejunum, 115, 739

 Peristaltic reflex, Pharmacological evidence that nitric oxide may be a
- retrograde messenger in the enteric nervous system, 114, 428

 Permeability, microvascular, The effects of formoterol on plasma exudation produced by a localized acute inflammatory response to bradykinin in the tracheal mucosa of rats in vivo, 116, 1571
- An investigation into the mechanism of capsaicin-induced oedema in rabbit skin, 114, 570
- Permeabilization, All-or-none augmentation of Ca²⁺ sensitivity in α-toxin-permeabilized single smooth muscle cells from guinea-pig taenia caecum. 115, 522
- Effects of GTPγS on muscarinic receptor-stimulated inositol phospholipid hydrolysis in permeabilized smooth muscle from the small intestine, 115, 147
- Peroxisomal proliferation, Different effects of fibrates on the microsomal fatty acid chain elongation and the acyl composition of phospholipids in guinea-pigs, 116, 3337
- Differential effects of fibrates on the acyl composition of microsomal phospholipids in rats, 116, 2067
- Selective modification of rat hepatic microsomal fatty acid chain elongation and desaturation by fibrates: relationship with peroxisome proliferation, 114, 1351
- Peroxynitrite, The formation of nitric oxide donors from peroxynitrite,
- Pertussis toxin, Coupling of an endogenous 5-HT_{1B}-like receptor to increases in intracellular calcium through a pertussis toxin-sensitive mechanism in CHO-K1 cells, 116, 2889
- Effects of Bordetella pertussis toxin pretreatment on the antiarrhythmic action of ischaemic preconditioning in anaesthetized rats, 114, 755
- Effects of GTPγS on muscarinic receptor-stimulated inositol phospholipid hydrolysis in permeabilized smooth muscle from the small intestine, 115, 147
- G-protein involvement in muscarinic receptor-stimulation of inositol phosphates in longitudinal smooth muscle from the small intestine of the guinea-pig, 114, 119
- Gi proteins and the response to 5-hydroxytryptamine in porcine cultured endothelial cells with impaired release of EDRF, 115, 822
- Inhibition of muscarinic receptor-induced inositol phospholipid hydrolysis by caffeine, β-adrenoceptors and protein kinase C in intestinal smooth muscle, 114, 602
- Involvement of G-protein αil subunits in activation of G-protein gated inward rectifying K⁺ channels (GIRK1) by human NPY₁ receptors, 116, 2346
- The mechanism of action of α_2 -adrenoceptors in human isolated subcutaneous resistance arteries, 115, 1463
- A novel P₂-purinoceptor expressed by a subpopulation of astrocytes from the dorsal spinal cord of the rat, 116, 2909
- Pertussis toxin-sensitive muscarinic relaxation in the rat iris dilator muscle, 114, 777

- Stimulation by endothelin-1 of mitogen-activated protein kinases and DNA synthesis in bovine tracheal smooth muscle cells, 116, 2267
- PGE analogues, Investigation of the inhibitory effects of PGE₂ and selective EP agonists on chemotaxis of human neutrophils, 116, 2903
- pH, Effects of pH on responses to adenosine, CGS 21680, carbachol and nitroprusside in the isolated perfused superior mesenteric arterial bed of the rat, 116, 2641
- Potent block of potassium currents in rat isolated sympathetic neurones by the uncharged form of amitriptyline and related tricyclic compounds, 116, 2191
- pH, intracellular, Angiotensin-converting enzyme (ACE) inhibitor transport in human intestinal epithelial (Caco-2) cells, 114, 981
- D-Cycloserine transport in human intestinal epithelial (Caco-2) cells: mediation by a H⁺-coupled amino acid transporter, 115, 761
- pH-dependent transport of procainamide in cultured renal epithelial monolayers of OK cells: consistent with nonionic diffusion, 116, 1685
- Stereoselective uptake of β-lactam antibiotics by the intestinal peptide transporter, 116, 3021
- Phaeochromocytoma cells, Characterization of inhibition by haloperidol and chlorpromazine of a voltage-activated K⁺ current in rat phaeochromocytoma cells, 116, 2603
- Inhibition by Zn²⁺ of uridine 5'-triphosphate-induced Ca²⁺-influx but not Ca²⁺-mobilization in rat phaeochromocytoma cells, 115, 1502
- Pharmacodynamic modelling, The use of microdialysis for the study of drug kinetics: some methodological considerations illustrated with antipyrine in rat frontal cortex, 115, 503
- Pharmacokinetics, Modelling of the pharmacodynamic interaction of an A_1 adenosine receptor agonist and antagonist *in vivo*: N^6 -cyclopentyladenosine and 8-cyclopentyltheophylline, 115, 1253
- Pharmacokinetic modelling of the haemodynamic effects of the A_{2a} adenosine receptor agonist CGS 21680C in conscious normotensive rats, 114, 761
- The use of microdialysis for the study of drug kinetics: some methodological considerations illustrated with antipyrine in rat frontal cortex, 115, 503
- Phencyclidine, Enhancement of immobility in a forced swimming test by subacute or repeated treatment with phencyclidine: a new model of schizophrenia, 116, 2531
- Phentolamine, Effects of BRL55834 in rat portal vein and bovine trachea: evidence for the induction of a glibenclamide-resistant, ATP-sensitive potassium current, 115, 1027
- Mediation of noradrenaline-induced contractions of rat aorta by the α_{1B} -adrenoceptor subtype, 114, 745
- Noradrenaline contractions of human prostate mediated by α_{1A} (α_{1C})adrenoceptor subtype, 115, 781
- Phenylbiguanide, 5-HT₃ receptor agonist induced carrier-mediated release of dopamine in rat striatum *in vivo*, 116, 1545
- Phenylephrine, Effect of swimming on vascular reactivity to phenylephrine and KC1 in male rats, 115, 587
- Effects of 8-bromoguanosine 3':5'-cyclic monophosphate on phenylephrine-induced phosphatidylinositol hydrolysis and contraction in rat caudal artery, 116, 1697
- The role of capacitative Ca²⁺ influx in the α_{1B}-adrenoceptor-mediated contraction to phenylephrine of the rat spleen, 116, 2327
- Phenylglycine, Structure-activity relationships for a series of phenylglycine derivatives acting at metabotropic glutamate receptors (mGluRs), 116, 3323
- Phenylglycine derivatives, Characterization of metabotropic glutamate receptor-stimulated phosphoinositide hydrolysis in rat cultured cerebellar granule cells, 116, 2824
- Phenyliminoimidazolidines, Pharmacology of the octopamine receptor from locust central nervous tissue (OAR3), 114, 210
- 8-Phenyltheophylline, The involvement of ATP-sensitive potassium channels and adenosine in the regulation of coronary flow in the isolated perfused rat heart, 116, 3068
- Phenytoin, Electrophysiological actions of phenytoin on N-methyl-D-aspartate receptor-mediated responses in rat hippocampus in vitro, 115, 67
- Neuroprotective properties of lifarizine compared with those of other agents in a mouse model of focal cerebral ischaemia, 115, 1425
- Phoneutria nigriventer, Blockade of acetylcholine release at the motor

endplate by a polypeptide from the venom of *Phoneutria nigriventer*, 116 2817

- Phorbol esters, Involvement of multiple protein kinase C isozymes in the ACTH secretory pathway of AtT-20 cells, 115, 307
- Protein kinase C involvement in maintenance and modulation of noradrenaline release in the mouse brain cortex, 116, 2757
- Phosphatase, Modulation of Ca²⁺-dependent currents in metabolically stressed cultured sensory neurones by intracellular photorelease of ATP, 114, 544
- The effects of calyculin A upon calcium-, guanine nucleotides- and phorbol 12-myristate 13-acetate-stimulated ACTH secretion from AtT-20 cells, 114, 1571
- Phosphates, high energy, Differential effects of OPC-18790, amrinone and dobutamine on cardiac function and energy metabolism in the guinea-pig isolated ischaemic heart, 114, 1090
- Phosphatidylcholine, Mastoparan-induced phosphatidylcholine hydrolysis by phospholipase D activation in human astrocytoma cells, 116, 2090
- Phosphodiesterase, Ca²⁺-dependent and -independent mechanism of cyclic-AMP reduction: mediation by bradykinin B₂ receptors, 115, 937
- Nitric oxide, an enteric nonadrenergic-noncholinergic relaxant transmitter: evidence using phosphodiesterase V and nitric oxide synthase inhibition, 116, 1789
- Phosphodiesterase, cyclic AMP-specific, Suppression of eosinophil function by RP 73401, a potent and selective inhibitor of cyclic AMPspecific phosphodiesterase: comparison with rolipram, 115, 39
- Phosphodiesterase, cyclic nucleotide, Further analysis of the mechanisms underlying the tracheal relaxant action of SCA40, 114, 143
- Phosphodiesterase inhibitors, Acute versus chronic administration of phosphodiesterase inhibitors on allergen-induced pulmonary cell influx in sensitized guinea-pigs, 114, 93
- Differential effect of phosphodiesterase 4 inhibitors on the proliferation of human peripheral blood mononuclear cells from normals and subjects with atopic dermatitis, 116, 3169
- Differential effects of non-selective and selective phosphodiesterase inhibitors on human eosinophil functions, 114, 821
- Effects of type-selective phosphodiesterase inhibitors on glucoseinduced insulin secretion and islet phosphodiesterase activity, 115, 1486
- Further investigations into adenosine A₁ receptor-mediated contraction in rat colonic muscularis mucosae and its augmentation by certain alkylxanthine antagonists, 114, 999
- Phosphodiesterase isoenzymes, Acute versus chronic administration of phosphodiesterase inhibitors on allergen-induced pulmonary cell influx in sensitized guinea-pigs, 114, 93
- Differential effects of non-selective and selective phosphodiesterase inhibitors on human eosinophil functions, 114, 821
- Effects of type-selective phosphodiesterase inhibitors on glucose-induced insulin secretion and islet phosphodiesterase activity, 115, 1486
- Regulation by phosphodiesterase isoenzymes of non-adrenergic noncholinergic contraction in guinea-pig isolated main bronchus, 116, 2334
- Phospholipase A₂, Evidence for requirement of tyrosine phosphorylation in endothelial P_{2Y}- and P_{2U}-purinoceptor stimulation of prostacyclin release, 116, 2563
- Inhibition of carrageenin-induced rat paw oedema by crotapotin, a polypeptide complexed with phospholipase A₂, 114, 578
- Involvement of B₂ receptors in the bradykinin-induced relaxation of guinea-pig isolated trachea, 114, 103
- The mechanism of action of α₂-adrenoceptors in human isolated subcutaneous resistance arteries, 115, 1463
- Prostaglandin E₂ requirement for transforming growth factor β₁ inhibition of elicited macrophage 14 kDa phospholipase A₂ release, 116. 2575
- Phospholipase C, Activation of phospholipase C in SH-SY5Y neuroblastoma cells by potassium-induced calcium entry, 116, 1797
- Calcium homeostasis in mouse fibroblast cells: affected by U-73122, a putative phospholipase C_{β} blocker, via multiple mechanisms, 115, 11
- Effects of 8-bromoguanosine 3':5'-cyclic monophosphate on phenylephrine-induced phosphatidylinositol hydrolysis and contraction in rat caudal artery, 116, 1697
- Sensitization by calyculin A of brain capillary endothelial cells to

- endothelin-1, 114, 1014
- Stimulation of two vascular smooth muscle-derived cell lines by angiotensin II: differential second messenger responses leading to mitogenesis, 115, 361
- Phospholipase D, Mastoparan-induced phosphatidylcholine hydrolysis by phospholipase D activation in human astrocytoma cells, 116, 2090
- Stimulation of two vascular smooth muscle-derived cell lines by angiotensin II: differential second messenger responses leading to mitogenesis, 115, 361
- Phospholipids, Differential effects of fibrates on the acyl composition of microsomal phospholipids in rats, 116, 2067
- Phospholipids, microsomal, Different effects of fibrates on the microsomal fatty acid chain elongation and the acyl composition of phospholipids in guinea-pigs, 116, 3337
- Phosphoprotein phosphatase, Characterization of acute homologous desensitization of μ-opioid receptor-induced currents in locus coeruleus neurones, 115, 925
- Phosphoramidon, Contractile activity of endothelin precursors in the isolated gallbladder of the guinea-pig: presence of an endothelinconverting enzyme, 114, 1383
- Different pressor and bronchoconstrictor properties of human bigendothelin-1,2 (1-38) and 3 in ketamine/xylazine-anaesthetized guineapigs, 114, 720
- Differential effects of phosphoramidon on contractile responses to angiotensin II in rat blood vessels, 114, 1599
- Phosphoramidon inhibition of the *in vivo* conversion of big endothelin-1 to endothelin-1 in the human forearm, 116, 1821
- A role for endothelin in bicuculline-induced neurogenic pulmonary oedema in rats, 115, 753
- Secretion of endothelin-1 and endothelin-3 by human cultured vascular smooth muscle cells, 114, 551
- Phosphorylation, Relationship between agonist binding, phosphorylation and immunoprecipitation of the m₃-muscarinic receptor, and second messenger responses, 116, 1723
- Phrenic nerves, Evidence that activation of 5-HT₂ receptors in the forebrain of anaesthetized cats causes sympathoexcitation, 116, 1751
- Phrenic nerve/hemidiaphragm, rat, Neuromuscular blocking profile of the vecuronium analogue, Org-9487, in the rat isolated hemidiaphragm preparation, 116, 3049
- Physical dependence, Production of antinociception by peripheral administration of [Lys⁷]dermorphin, a naturally occurring peptide with high affinity for μ-opioid receptors, 114, 57
- Picrotoxin, Enhancement by GABA of the association rate of picrotoxin and *tert*-butylbicyclophosphorothionate to the rat cloned $\alpha 1\beta 2\gamma 2$ GABA_A receptor subtype, 115, 539
- Picrotoxinin, Actions of the insecticide fipronil, on dieldrin-sensitive and resistant GABA receptors of *Drosophila melanogaster*, 115, 909
- Pilmenidine, Renal effects of infusion of rilmenidine and guanabenz in conscious dogs: contribution of peripheral and central nervous system α_2 -adrenoceptors, 116, 1557
- Pilocarpine, Competitive inhibition of coumarin 7-hydroxylation by pilocarpine and its interaction with mouse CYP 2A5 and human CYP 2A6, 116, 2625
- The inhibition of CYP enzymes in mouse and human liver by pilocarpine, 114, 832
- Pinacidil, Activation by intracellular GDP, metabolic inhibition and pinacidil of a glibenclamide-sensitive K-channel in smooth muscle cells of rat mesenteric artery, 114, 662
- Effects of nicorandil on the recovery of reflex potentials after spinal cord ischaemia in cats, 116, 1815
- Effects of pinacidil on arterial and venous resistances and mean circulatory filling pressure in rats, 116, 2322
- Electrocardiographic interactions between pinacidil, a potassium channel opener and class I antiarrhythmic agents in guinea-pig isolated perfused heart, 114, 1745
- **Pirdonium**, Characteristics of the binding of [³H]-mepyramine to intact human U373 MG astrocytoma cells: evidence for histamine-induced H₁-receptor internalisation. **116**, 2715
- Pituitary, The effects of calyculin A upon calcium-, guanine nucleotidesand phorbol 12-myristate 13-acetate-stimulated ACTH secretion from AtT-20 cells, 114, 1571

- Pituitary adenylate cyclase activating polypeptides (PACAP 1-27), Inhibition of bronchoconstriction by pituitary adenylate cyclase activating polypeptide (PACAP 1-27) in guinea-pigs in vivo, 115, 913
- Pituitary adenylate cyclase-activating polypeptide, helospectin, and vasoactive intestinal polypeptide in human corpus cavernosum, 116, 2258
- Pituitary cell lines, Effects of mastoparan upon the late stages of the ACTH secretory pathway of AtT-20 cells, 115, 696
- [³H]-PK 11195, Neuroprotective properties of lifarizine compared with those of other agents in a mouse model of focal cerebral ischaemia, 115, 1425
- Placenta, Nitric oxide synthase in human placenta and umbilical cord from normal, intrauterine growth-retarded and pre-eclamptic pregnancies. 116, 3099
- Plasma extravasation, Demonstration of a 'septide-sensitive' inflammatory response in rat skin, 116, 2170
- Inhibition of bradykinin-evoked trigeminal nerve stimulation by the non-peptide bradykinin B₂ receptor antagonist WIN 64338 in vivo and in vitro, 116, 3164
- Mechanism of bradykinin-induced plasma extravasation in the rat knee ioint, 115, 641
- Platelet-activating factor: the effector of protein-rich plasma extravasation and nitric oxide synthase induction in rat immune complex peritonitis, 114, 895
- Reduction by N^G-nitro-L-arginine methyl ester (L-NAME) of antigeninduced nasal airway plasma extravasation in human subjects in vivo, 116, 1720
- Plasma exudation, The effects of formoterol on plasma exudation produced by a localized acute inflammatory response to bradykinin in the tracheal mucosa of rats in vivo, 116, 1571
- Plasminogen activator inhibitor-1, Mechanism of angiogenic effects of saponin from Ginseng Radix rubra in human umbilical vein endothelial cells. 115. 1188
- Plasminogen activators, Mechanism of angiogenic effects of saponin from Ginseng *Radix rubra* in human umbilical vein endothelial cells, 115, 1188
- Platelet aggregation, Activation of rabbit platelets by Ca²⁺ influx and thromboxane A₂ release in an external Ca²⁺-dependent manner by zooxanthellatoxin-A, a novel polyol, 115, 433
- Antithrombotic effect of a novel recombinant hirudin analogue, CX-397, in a rat arterial thrombosis model, 116, 3056
- Copper chelation-induced reduction of the biological activity of Snitrosothiols, 114, 1083
- Different effects of endothelin-3 on the Ca²⁺ discharge induced by agonists and Ca²⁺-ATPase inhibitors in human platelets, 114, 524
- Inhibition of carrageenin-induced rat paw oedema by crotapotin, a polypeptide complexed with phospholipase A₂, 114, 578
- Intrinsic activity of the non-prostanoid thromboxane A₂ receptor antagonist, daltroban (BM 13,505), in human platelets in vitro and in the rat vasculature in vivo, 115, 210
- A new class of furoxan derivatives as NO donors: mechanism of action and biological activity, 114, 816
- Pharmacological profile of the novel P₂₁-purinoceptor antagonist, FPL 67085 in vitro and in the anaesthetized rat in vivo, 115, 1110
- YC-1 inhibited human platelet aggregation through NO-independent activation of soluble guanylate cyclase, 116, 1973
- Platelet-activating factor, Enhancement by cyclo-oxygenase inhibitors of platelet-activating factor production in thapsigargin-stimulated macrophages, 116, 2141
- Increased sensitivity of rat myometrium to the contractile effect of platelet activating factor before delivery, 115, 1211
- Mechanisms of pulmonary vasoconstriction and bronchoconstriction produced by PAF in the guinea-pig: role of platelets and cyclooxygenase metabolites, 114, 203
- Microvascular mechanisms of histamine-induced potentiation of leukocyte adhesion evoked by chemoattractants, 116, 3175
- Platelet-activating factor: the effector of protein-rich plasma extravasation and nitric oxide synthase induction in rat immune complex peritonitis, 114, 895
- Role for intracellular platelet-activating factor in the circulatory failure in a model of Gram-positive shock, 116, 3191

Platelet-activating factor analogues, Similar coronary vascular effects in the rat perfused heart of platelet-activating factor structural analogues with agonist and antagonist properties, 116, 2359

- Platelet-activating factor receptor antagonists, Comparative study of endotoxin-induced hypotension in kininogen-deficient rats with that in normal rats, 114, 1250
- Platelet-derived growth factor, Cytokine-mediated induction of cyclooxygenase-2 by activation of tyrosine kinase in bovine endothelial cells stimulated by bacterial lipopolysaccharide, 115, 401
- Effect of platelet-derived growth factor on voltage-operated calcium channels in rabbit isolated ear artery cells, 115, 534
- Increase in tone and intracellular Ca²⁺ in rabbit isolated ear artery by platelet-derived growth factor, 114, 138
- Platelets, Activation of rabbit platelets by Ca²⁺ influx and thromboxane A₂ release in an external Ca²⁺-dependent manner by zooxanthellatoxin-A, a novel polyol, 115, 433
- Contractile actions of thrombin receptor-derived polypeptides in human umbilical and placental vasculature: evidence for distinct receptor systems, 115, 569
- Different effects of endothelin-3 on the Ca²⁺ discharge induced by agonists and Ca²⁺-ATPase inhibitors in human platelets, 114, 524
- Effect of trilinolein on cyclic nucleotide formation in human platelets: relationship with its antiplatelet effect and nitric oxide synthesis, 116, 1644
- Effects of the novel anti-inflammatory compounds, N-[2-(cyclohexyloxy)-4-nitrophenyl] methanesulphonamide (NS-398) and 5-methanesulphonamido-6-(2,4-difluorothiophenyl)-1-indanone (L-745,337), on the cyclo-oxygenase activity of human blood prostaglandin endoperoxide synthases, 116, 2429
- The formation of nitric oxide donors from peroxynitrite, 116, 1999
- Mechanisms of pulmonary vasoconstriction and bronchoconstriction produced by PAF in the guinea-pig: role of platelets and cyclooxygenase metabolites, 114, 203
- Pharmacological profile of the novel P_{2T}-purinoceptor antagonist, FPL 67085 in vitro and in the anaesthetized rat in vivo, 115, 1110
- Reflex circulatory collapse following intrapulmonary entrapment of activated platelets: mediation via 5-HT₃ receptor stimulation, 116, 2048
- Regulation of cytosolic calcium by collagen in single human platelets,
 115, 101
- Platelets, human, Inhibition of cyclic GMP-dependent protein kinasemediated effects by (Rp)-8-bromo-PET-cyclic GMPS, 116, 3110
- YC-1 inhibited human platelet aggregation through NO-independent activation of soluble guanylate cyclase, 116, 1973
- P.O. 085 DV, Polydeoxyribonucleotides and nitric oxide release from guinea-pig hearts during ischaemia and reperfusion, 115, 629
- Polyamines, Blockade by polyamine NMDA antagonists related to ifenprodil of NMDA-induced synthesis of cyclic GMP, increases in calcium and cytotoxicity in cultured neurones, 114, 1359
- Polymerase chain reaction, The α_{1C} -adrenoceptor in human prostate: cloning, functional expression, and localization to specific prostatic cell types. 115, 1475
- Endothelin ET_A and ET_B mRNA and receptors expressed by smooth muscle in the human vasculature: majority of the ET_A sub-type, 114, 1110
- Evidence for the presence of endothelin ET_A receptors in endothelial cells in situ on the aortic side of porcine aortic valve, 115, 1369
- Expression of β_3 -adrenoceptor mRNA in rat brain, 116, 2547
- Polymerase chain reaction cloning, Evidence for the presence of endothelin ET_A receptors in endothelial cells *in situ* on the aortic side of porcine aortic valve, 115, 1369
- Polymethylene tetraamines, In vitro characterization of tripitramine, a polymethylene tetraamine displaying high selectivity and affinity for muscarinic M₂ receptors, 114, 1507
- Polymyxins, The *in vivo* effect of lipopolysaccharide on the spontaneous release of transmitter from motor nerve terminals, 116, 1757
- Protein kinase C involvement in maintenance and modulation of noradrenaline release in the mouse brain cortex. 116. 2757
- Positron emission tomography, Histamine H₁ receptor occupancy in human brains after single oral doses of histamine H₁ antagonists measured by positron emission tomography, 116, 1649
- Postganglionic terminals, Electrical activity in rat tail artery during

asynchronous activation of postganglionic nerve terminals by ciguatoxin-1, 116, 2213

- Postjunctional activity, Electrical activity in rat tail artery during asynchronous activation of postganglionic nerve terminals by ciguatoxin-1, 116, 2213
- **Potassium**, Direct demonstration of sulphonylurea-sensitive K_{ATP} channels on nerve terminals of the rat motor cortex, 115, 385
- Modulation of the isoprenaline-induced membrane hyperpolarization of mouse skeletal muscle cells, 116, 2881
- Potassium channels, Activation by intracellular GDP, metabolic inhibition and pinacidil of a glibenclamide-sensitive K-channel in smooth muscle cells of rat mesenteric artery, 114, 662
- BaCl₂- and 4-aminopyridine-evoked phasic contractions in the rat vas deferens, 115, 845
- Bronchodilator and pre-protective effects of urodilatin in bovine bronchi in vitro: comparison with atrial natriuretic peptide, 114, 1391
- Characterization of inhibition by haloperidol and chlorpromazine of a voltage-activated K⁺ current in rat phaeochromocytoma cells, 116, 2603
- A comparison of the effects of SCA40, NS 004 and NS 1619 on large conductance Ca²⁺-activated K⁺ channels in bovine tracheal smooth muscle cells in culture, 116, 1656
- Endothelium-dependent relaxation to acetylcholine in bovine oviductal arteries: mediation by nitric oxide and changes in apamin-sensitive K⁺ conductance, 115, 1221
- Endothelium-dependent relaxations in sheep pulmonary arteries and veins: resistance to block by N^G-nitro-L-arginine in pulmonary hypertension, 116, 2457
- Identification of a prostanoid FP receptor population producing endothelium-dependent vasorelaxation in the rabbit jugular vein, 116, 3035
- Inhibition of delayed rectifier K⁺-current by leveromakalim in single intestinal smooth muscle cells: effects of cations and dependence on K⁺-flux, 114, 391
- Inhibitory actions of GABA on rabbit urinary bladder muscle strips: mediation by potassium channels, 115, 81
- Mechanism of block of a human cardiac potassium channel by terfenadine racemate and enantiomers, 115, 267
- Modulation of acetylcholine release at mouse neuromuscular junctions by interaction of three homologous scorpion toxins with K⁺ channels, 114, 1502
- Multiple effects and stimulation of insulin secretion by the tyrosine kinase inhibitor genistein in normal mouse islets, 114, 872
- A novel enhancing effect of clofilium on transient outward-type cloned cardiac K⁺ channel currents, 114, 1222
- The pharmacological properties of K⁺ currents from rabbit isolated aortic smooth muscle cells, 116, 3139
- Pharmacology of stretch-activated K channels in Lymnaea neurones, 114, 180
- Potassium currents in human freshly isolated bronchial smooth muscle cells. 115, 1117
- Relaxation and decrease in [Ca²⁺]_i by hydrochlorothiazide in guinea-pig isolated mesenteric arteries, 114, 703
- Potassium channels, ATP-sensitive, Direct demonstration of sulphonylurea-sensitive K_{ATP} channels on nerve terminals of the rat motor cortex, 115, 385
- Effects of BRL55834 in rat portal vein and bovine trachea: evidence for the induction of a glibenclamide-resistant, ATP-sensitive potassium current, 115, 1027
- Effects of nicorandil on the recovery of reflex potentials after spinal cord ischaemia in cats, 116, 1815
- Endothelial modulation of vasoconstrictor responses to endothelin-1 in human placental stem villi small arteries, 115, 1038
- Endothelin-1-induced reduction of myocardial infarct size by activation of ATP-sensitive potassium channels in a rabbit model of myocardial ischaemia and reperfusion, 116, 2597
- The involvement of ATP-sensitive potassium channels and adenosine in the regulation of coronary flow in the isolated perfused rat heart, 116, 3068
- The involvement of ATP-sensitive potassium channels in βadrenoceptor-mediated vasorelaxation in the rat isolated mesenteric arterial bed, 115, 607

- Mexiletine-induced shortening of the action potential duration of ventricular muscles by activation of ATP-sensitive K⁺ channels, 115, 381
- Myocardial and coronary endothelial protective effects of acetylcholine after myocardial ischaemia and reperfusion in rats: role of nitric oxide, 115, 1532
- Reduction by prostaglandin E₁ or prostaglandin E₀ of myocardial infarct size in the rabbit by activation of ATP-sensitive potassium channels, 116, 2435
- Subgroups among μ-opioid receptor agonists distinguished by ATPsensitive K⁺ channel-acting drugs, 114, 1296
- Time-dependent fading of the activation of K_{ATP} channels, induced by aprikalim and nucleotides, in excised membrane patches from cardiac myocytes, 115, 117
- Potassium channels, calcium activated, A comparison of the effects of SCA40, NS 004 and NS 1619 on large conductance Ca²⁺-activated K⁺ channels in bovine tracheal smooth muscle cells in culture, 116, 1656
- Involvement of nitric oxide in the non-adrenergic non-cholinergic neurotransmission of horse deep penile arteries: role of charybdotoxinsensitive K⁺-channels, 116, 2582
- Potassium channels, calcium dependent, Ionic currents and inhibitory effects of glibenclamide in seminal vesicle smooth muscle cells, 115, 1447
- Potassium channels, calcium sensitive, Effects of BRL55834 in rat portal vein and bovine trachea: evidence for the induction of a glibenclamide-resistant, ATP-sensitive potassium current, 115, 1027
- Potassium channels, cloned, A novel enhancing effect of clofilium on transient outward-type cloned cardiac K⁺ channel currents, 114, 1222
- Potassium channels, G-protein activated, Involvement of G-protein call subunits in activation of G-protein gated inward rectifying K⁺ channels (GIRK1) by human NPY, receptors, 116, 2346
- Potassium channel blockers, Differential effects of potassium channel blockers on extracellular concentrations of dopamine and 5-HT in the striatum of conscious rats, 116, 3260
- The pharmacological properties of K⁺ currents from rabbit isolated aortic smooth muscle cells, 116, 3139
- Subgroups among μ-opioid receptor agonists distinguished by ATPsensitive K⁺ channel-acting drugs, 114, 1296
- Potassium channel openers, A comparison of the effects of SCA40, NS 004 and NS 1619 on large conductance Ca²⁺-activated K⁺ channels in bovine tracheal smooth muscle cells in culture, 116, 1656
- Comparisons of the effects of nicorandil, pinacidil, nicardipine and nitroglycerin on coronary vessels in the conscious dog: role of the endothelium, 114, 496
- Effect of KC399, a newly synthesized K⁺ channel opener, on acetylcholine-induced electrical and mechanical activities in rabbit tracheal smooth muscle. 115, 1493
- Effects of pinacidil on arterial and venous resistances and mean circulatory filling pressure in rats, 116, 2322
- Electrocardiographic interactions between pinacidil, a potassium channel opener and class I antiarrhythmic agents in guinea-pig isolated perfused heart, 114, 1745
- Potentiation of P1075-induced K⁺ channel opening by stimulation of adenylate cyclase in rat isolated aorta, 115, 515
- Time-dependent fading of the activation of K_{ATP} channels, induced by aprikalim and nucleotides, in excised membrane patches from cardiac myocytes, 115, 117
- Potassium currents, Activation by ATP of a P_{2U} 'nucleotide' receptor in an exocrine cell, 115, 321
- Effects of BRL55834 in rat portal vein and bovine trachea: evidence for the induction of a glibenclamide-resistant, ATP-sensitive potassium current, 115, 1027
- Inhibition by wortmannin of M-current in bullfrog sympathetic neurones, 114, 489
- Potent block of potassium currents in rat isolated sympathetic neurones by the uncharged form of amitriptyline and related tricyclic compounds, 116, 2191
- Quinidine-induced open channel block of K⁺ current in rat ventricle, 115, 335
- Reduction of spike frequency adaptation and blockade of M-current in rat CA1 pyramidal neurones by linopirdine (DuP 996), a neuro-

- transmitter release enhancer, 115, 1163
- SD-3212, a new class I and IV antiarrhythmic drug: a potent inhibitor of the muscarinic acetylcholine-receptor-operated potassium current in guinea-pig atrial cells, 116, 2750
- Potassium currents, calcium activated, Caffeine-evoked, calcium sensitive membrane currents in rabbit aortic endothelial cells, 115, 133
- Desensitization of the μ-opioid activation of phospholipase C in SH-SY5Y cells: the role of protein kinases C and A and Ca²⁺-activated K⁺ currents, 116, 2655
- Potassium excretion, Effects of calcitonin gene-related peptide receptor antagonists on renal actions of adrenomedullin, 115, 1133
- Potassium ions, Action of adenosine receptor antagonists on hypoxiainduced effects in the rat hippocampus in vitro, 116, 2113
- Potassium transport, The effect of neuropeptide Y on sodium, chloride and potassium transport across the rat distal colon, 115, 1071
- PPADS, Differentiation by pyridoxal 5-phosphate, PPADS and IsoPPADS between responses mediated by UTP and those evoked by α,β -methylene-ATP on rat sympathetic ganglia, 114, 727
- Effect of P₂-purinoceptor antagonists on glutamatergic transmission in the rat hippocampus, 115, 1276
- Inhibitory action of PPADS on relaxant responses to adenine nucleotides or electrical field stimulation in guinea-pig taenia coli and rat duodenum, 115, 1509
- A novel P₂-purinoceptor expressed by a subpopulation of astrocytes from the dorsal spinal cord of the rat, 116, 2909
- PPADS: an antagonist at endothelial P_{2Y}-purinoceptors but not P_{2U}-purinoceptors, 116, 2413
- Vasoconstrictor responses to the P_{2X}-purinoceptor agonist β,γ-methylene-L-ATP in human cutaneous and renal blood vessels, 116, 1932
- Prazosin, Characterization of α_1 -adrenoceptors mediating vasoconstriction to noradrenaline and nerve stimulation in the isolated perfused mesentery of rat, 114, 531
- Investigation of the actions of chloroethylclonidine in rat aorta, 115, 1399
- Mechanisms of angiotensin II chronotropic effect in anaesthetized dogs, 115, 795
- Mediation of noradrenaline-induced contractions of rat aorta by the α_{1B} -adrenoceptor subtype, 114, 745
- [³H]-Prazosin, The relationship between density of α-adrenoceptor binding sites and contractile responses in several porcine isolated blood vessels, 114, 678
- [3H]-Prazosin binding, Characterization of an α_{1D}-adrenoceptor mediating the contractile response of rat aorta to noradrenaline, 115, 981
- Pharmacological characterization of α_1 -adrenoceptor subtypes in rat heart: a binding study, 114, 1026
- Two distinct α₁-adrenoceptor subtypes in rabbit liver: a binding study, 116, 2591
- Pre-eclampsia, Nitric oxide synthase in human placenta and umbilical cord from normal, intrauterine growth-retarded and pre-eclamptic pregnancies, 116, 3099
- Prednisolone, Modulation by prednisolone of calcium handling in skeletal muscle cells, 116, 2811
- Pregnancy, Effect of the vascular endothelium on noradrenaline-induced contractions in non-pregnant and pregnant guinea-pig uterine arteries, 114, 805
- The role of nitric oxide in the altered vascular reactivity of pregnancy in the rat, 114, 955
- Prejunctional facilitation, Prejunctional facilitatory α_1 -adrenoceptors in the rat urinary bladder, 114, 1710
- Prejunctional modulation, Protein kinase C involvement in maintenance and modulation of noradrenaline release in the mouse brain cortex, 116, 2757
- Preprotachykinin A, In situ hybridization studies of prostacyclin receptor mRNA expression in various mouse organs, 116, 2828
- Pressor response, Different pressor and bronchoconstrictor properties of human big-endothelin-1,2 (1-38) and 3 in ketamine/xylazine-anaesthetized guinea-pigs, 114, 720
- The role of nitric oxide in the altered vascular reactivity of pregnancy in the rat, 114, 955
- Presynaptic receptors, P₂-purinoceptor-mediated inhibition of noradrenaline release in rat atria, 115, 247

- Pro-arrhythmia, Mechanism of block of a human cardiac potassium channel by terfenadine racemate and enantiomers, 115, 267
- Procainamide, pH-dependent transport of procainamide in cultured renal epithelial monolayers of OK cells: consistent with nonionic diffusion, 116, 1685
- Procaine, 4,6-Dibromo-3-hydroxycarbazole (an analogue of caffeine-like Ca²⁺ releaser), a novel type of inhibitor of Ca²⁺-induced Ca²⁺ release in skeletal muscle sarcoplasmic reticulum, 114, 941
- BaCl₂- and 4-aminopyridine-evoked phasic contractions in the rat vas deferens, 115, 845
- Propofol, Inhibition by propofol (2,6 di-isopropylphenol) of the N-methyl-D-aspartate subtype of glutamate receptor in cultured hippocampal neurones, 116, 1761
- Potentiation, activation and blockade of GABA_A receptors of clonal murine hypothalamic GT1-7 neurones by propofol, 115, 953
- Propranolol, Characterization of β_1 and β_3 -adrenoceptors in intact brown adipocytes of the rat, 114, 275
- Modulation of the isoprenaline-induced membrane hyperpolarization of mouse skeletal muscle cells, 116, 2881
- Reduction by β-adrenoceptor blockade of hypoxia-induced right heart hypertrophy in the rat, 116, 2698
- Reduction by oral propranolol treatment of left ventricular hypertrophy secondary to pressure-overload in the rat, 116, 2703
- Prostacyclin, Co-induction of nitric oxide synthase and cyclo-oxygenase: interactions between nitric oxide and prostanoids, 114, 1335
- Evidence for requirement of tyrosine phosphorylation in endothelial P_{2V}- and P_{2U}-purinoceptor stimulation of prostacyclin release, 116, 2563
- Influence of chronic treatment with a nitric oxide donor on fatty streak development and reactivity of the rabbit aorta, 114, 1371
- Prostacyclin receptor agonists, Inhibition of rat colon contractility by prostacyclin (IP-) receptor agonists: involvement of NANC neurotransmission, 115, 163
- **Prostaglandins,** A comparison of the effects of exogenous and endogenous prostaglandins on fast and slow contractions of field-stimulated guinea-pig vas deferens, 116, 2679
- Cytochrome P450-dependent effects of bradykinin in the rat heart, 114,
 99
- The effect of neuropeptide Y on sodium, chloride and potassium transport across the rat distal colon, 115, 1071
- An EP receptor with a novel pharmacological profile in the T-cell line Jurkat, 115, 1231
- Haemostatic mechanism in the endometrium: role of cyclo-oxygenase products and coagulation factors, 114, 975
- On the inhibition of prostanoid formation by SK&F 96365, a blocker of receptor-operated calcium entry, 114, 598
- Modulation of calcium channel currents by arachidonic acid in single smooth muscle cells from vas deferens of the guinea-pig, 116, 1887
- Mucosa-dependent muscarinic liberation of prostaglandins from rat isolated trachea. 116, 1991
- Regulation of prostaglandin production by nitric oxide; an in vivo analysis, 114, 1171
- Suppression of naloxone-precipitated withdrawal jumps in morphinedependent mice by stimulation of prostaglandin EP₃ receptor, 116, 2661
- Prostaglandin biosynthesis, Modulation by nitric oxide of prostaglandin biosynthesis in the rat, 114, 323
- Prostaglandin E, The effect of morphine on formalin-evoked behaviour and spinal release of excitatory amino acids and prostaglandin E₂ using microdialysis in conscious rats, 114, 1069
- **Prostaglandin E₀**, Reduction by prostaglandin E₁ or prostaglandin E₀ of myocardial infarct size in the rabbit by activation of ATP-sensitive potassium channels, 116, 2435
- Prostaglandin E₁, The effect of a synthetic 7-thiaprostaglandin E₁ derivative, TEI-6122, on monocyte chemoattractant protein-1 induced chemotaxis in THP-1 cells, 116, 2298
- Reduction by prostaglandin E₁ or prostaglandin E₀ of myocardial infarct size in the rabbit by activation of ATP-sensitive potassium channels. 116. 2435
- Prostaglandin E₂, Enhancement by cyclo-oxygenase inhibitors of platelet-activating factor production in thapsigargin-stimulated macrophages, 116, 2141

 Identification of a prostanoid FP receptor population producing endothelium-dependent vasorelaxation in the rabbit jugular vein. 116, 3035

- Mediation by prostaglandins of the nitric oxide-induced neurogenic vasodilatation in rat skin, 116, 2365
- Mucosa-dependent muscarinic liberation of prostaglandins from rat isolated trachea, 116, 1991
- Prostaglandin E₂ requirement for transforming growth factor β₁ inhibition of elicited macrophage 14 kDa phospholipase A₂ release, 116, 2575
- Significance of nitric oxide in the stimulation of intestinal fluid absorption in the rat jejunum in vivo, 114, 13
- Prostaglandin E₂ receptors, The effect of a synthetic 7-thiaprostaglandin E₁ derivative, TEI-6122, on monocyte chemoattractant protein-1 induced chemotaxis in THP-1 cells, 116, 2298
- Prostaglandin endoperoxide synthases, Effects of the novel anti-inflammatory compounds, N-[2-(cyclohexyloxy)-4-nitrophenyl] methanesulphonamide (NS-398) and 5-methanesulphonamido-6-(2,4-difluorothiophenyl)-1-indanone (L-745,337), on the cyclo-oxygenase activity of human blood prostaglandin endoperoxide synthases, 116, 2429
- Prostaglandin $F_{2\alpha}$, Identification of a prostanoid FP receptor population producing endothelium-dependent vasorelaxation in the rabbit jugular vein, 116, 3035
- Prostaglandin H synthase-2, Cytokine-mediated inflammatory hyperalgesia limited by interleukin-10, 115, 684
- Prostaglandin I₂, Role of endothelium in the human uterine arteries during normal menstrual cycle, 114, 902
- Prostaglandin receptor agonists, An EP receptor with a novel pharmacological profile in the T-cell line Jurkat, 115, 1231
- Prostaglandin receptor antagonists, An EP receptor with a novel pharmacological profile in the T-cell line Jurkat, 115, 1231
- Prostanoids, Impaired endothelium-dependent relaxation in isolated resistance arteries of spontaneously diabetic rats, 116, 3251
- Mechanisms of bradykinin-induced contraction of the guinea-pig gallbladder in vitro, 114, 1549
- The role of nitric oxide in the altered vascular reactivity of pregnancy in the rat, 114, 955
- Prostanoid receptors, Blockade by ONO-NT-012, a unique prostanoid analogue, of prostaglandin E₂-induced allodynia in conscious mice, 115, 73
- Characterization of the prostanoid receptors mediating constriction and relaxation of human isolated uterine artery, 116, 1692
- Intrinsic activity of the non-prostanoid thromboxane A₂ receptor antagonist, daltroban (BM 13,505), in human platelets in vitro and in the rat vasculature in vivo, 115, 210
- Prostanoid EP receptors, Characterization of the PGE receptor subtype mediating inhibition of superoxide production in human neutrophils, 114, 1459
- An EP receptor with a novel pharmacological profile in the T-cell line Jurkat. 115, 1231
- Prostanoid EP receptor agonists, Investigation of the inhibitory effects of PGE₂ and selective EP agonists on chemotaxis of human neutrophils, 116, 2903
- Prostanoid EP₁ receptor antagonists, Blockade by ONO-NT-012, a unique prostanoid analogue, of prostaglandin E₂-induced allodynia in conscious mice, 115, 73
- Prostanoid EP₃ receptors, Elevation of plasma noradrenaline levels in urethane-anaesthetized rats by activation of central prostanoid EP₃ receptors, 115, 672
- Suppression of naloxone-precipitated withdrawal jumps in morphinedependent mice by stimulation of prostaglandin EP₃ receptor, 116, 2661
- Prostanoid FP receptors, Identification of a prostanoid FP receptor population producing endothelium-dependent vasorelaxation in the rabbit jugular vein, 116, 3035
- Prostanoid IP receptors, In situ hybridization studies of prostacyclin receptor mRNA expression in various mouse organs, 116, 2828
- Prostanoid IP receptors and relaxation, Characterization of the prostanoid receptors mediating constriction and relaxation of human isolated uterine artery, 116, 1692
- Prostanoid TP receptors, Characterization of the prostanoid receptors mediating constriction and relaxation of human isolated uterine artery,

116, 1692

- Prostate, human, Characterization of α_1 -adrenoceptor subtypes in tension response of human prostate to electrical field stimulation, 115, 142
- Noradrenaline contractions of human prostate mediated by α_{1A} (α_{1C})adrenoceptor subtype, 115, 781
- Prostatic hyperplasia, The α_{1C} -adrenoceptor in human prostate: cloning, functional expression, and localization to specific prostatic cell types, 115, 1475
- Proteases, Pharmacological activity of the C-terminal and N-terminal domains of secretory leukoprotease inhibitor *in vitro*, 115, 883
- Protease inhibitors, Contractile activity of endothelin precursors in the isolated gallbladder of the guinea-pig: presence of an endothelin-converting enzyme, 114, 1383
- Protein kinases, Cyclic GMP-mediated inhibition of L-type Ca²⁺ channel activity by human natriuretic peptide in rabbit heart cells, 114, 1076
- Influence of age on the signal transduction pathway of non-adrenergic non-cholinergic neurotransmitters in the rat gastric fundus, 114, 640
- Phosphorylation- and voltage-dependent inhibition of neuronal calcium currents by activation of human D_{2(short)} dopamine receptors, 115, 459
- Stimulation by endothelin-1 of mitogen-activated protein kinases and DNA synthesis in bovine tracheal smooth muscle cells, 116, 2267
- Protein kinases, cyclic nucleotide-dependent, Inhibition of cyclic GMP-dependent protein kinase-mediated effects by (Rp)-8-bromo-PET-cyclic GMPS, 116, 3110
- Protein kinases, mitogen-activated, Stimulation by endothelin-1 of mitogen-activated protein kinases and DNA synthesis in bovine tracheal smooth muscle cells. 116. 2267
- Protein kinase A, Additive effect of ADP and CGRP in modulation of the acetylcholine receptor channel in *Xenopus* embryonic myocytes, 115, 563
- Desensitization of the μ-opioid activation of phospholipase C in SH-SY5Y cells: the role of protein kinases C and A and Ca²⁺-activated K⁺ currents, 116, 2655
- Protein kinase A and nicotinic activation of bovine adrenal tyrosine hydroxylase, 114, 1687
- Protein kinase C, Accelerated desensitization of nicotinic receptor channels and its dependence on extracellular calcium in isolated skeletal muscles of streptozotocin-diabetic mice, 116, 1680
- Additive effect of ADP and CGRP in modulation of the acetylcholine receptor channel in Xenopus embryonic myocytes, 115, 563
- Desensitization of the μ-opioid activation of phospholipase C in SH-SY5Y cells: the role of protein kinases C and A and Ca²⁺-activated K⁺ currents, 116, 2655
- Enhancing effect of staurosporine on NO production in rat peritoneal macrophages via a protein kinase C-independent mechanism, 116, 1711
- Inhibition of muscarinic receptor-induced inositol phospholipid hydrolysis by caffeine, β-adrenoceptors and protein kinase C in intestinal smooth muscle, 114, 602
- Inhibition of rabbit aortic smooth muscle cell proliferation by selective inhibitors of protein kinase C, 114, 1652
- Involvement of multiple protein kinase C isozymes in the ACTH secretory pathway of AtT-20 cells, 115, 307
- Involvement of protein kinase C in the delayed cytoprotection following sublethal ischaemia in rabbit myocardium, 115, 222
- Mechanism of activation of nonselective cation channels by putative
 M₄ muscarinic receptor in guinea-pig chromaffin cells, 114, 419
- Mechanisms of angiotensin II chronotropic effect in anaesthetized dogs, 115, 795
- Modulatory effect of bradykinin on the release of noradrenaline from rat isolated atria. 115, 330
- Necessity of protein kinase C activity for maintenance of acetylcholine receptor function at snake twitch fibre endplates, 114, 433
- NPC 15669-modulated human polymorphonuclear neutrophil functional responsiveness: effects on receptor-coupled signal transduction, 114, 1694
- Postsynaptic nicotinic receptor desensitized by non-contractile Ca²⁺ mobilization via protein kinase-C activation at the mouse neuromuscular junction, 114, 461
- Protein kinase C involvement in maintenance and modulation of noradrenaline release in the mouse brain cortex, 116, 2757
- Protein kinase C in rat brain cortex and hippocampus: effect of repeated

- administration of fluoxetine and desipramine, 115, 595
- Protein kinase C and tyrosine kinase pathways regulate lipopolysaccharide-induced nitric oxide synthase activity in RAW 264.7 murine macrophages, 114, 482
- Reduction by prostaglandin E₁ or prostaglandin E₀ of myocardial infarct size in the rabbit by activation of ATP-sensitive potassium channels, 116, 2435
- Protein phosphorylation, Inhibition of cyclic GMP-dependent protein kinase-mediated effects by (Rp)-8-bromo-PET-cyclic GMPS, 116, 3110
- Protein tyrosine kinase, Suppression of VEGF-induced angiogenesis by the protein tyrosine kinase inhibitor, lavendustin A, 114, 262
- Proton-coupled transport, D-Cycloserine transport in human intestinal epithelial (Caco-2) cells: mediation by a H⁺-coupled amino acid transporter, 115, 761
- Stereoselective uptake of β-lactam antibiotics by the intestinal peptide transporter, 116, 3021
- Pulmonary resistance, Inhibition of bronchoconstriction by pituitary adenylate cyclase activating polypeptide (PACAP 1-27) in guinea-pigs in vivo. 115, 913
- Purine nucleotides, Modulation by nicotinamide adenine dinucleotide of sympathetic and sensory-motor neurotransmission via P₁-purinoceptors in the rat mesenteric arterial bed, 114, 1541
- Purinergic transmission, Failure of the putative neuropeptide Y antagonists, benextramine and PYX-2, to inhibit Y₂ receptors in rat isolated prostatic vas deferens, 116, 2401
- Heterogeneity of neurogenic responses in intra- and extrameningeal arteries of dogs, 116, 2557
- Purines, Anxiolytic activity of adenosine receptor activation in mice, 116, 2127
- Purinoceptors, ATP, a partial agonist of atypical P_{2Y} purinoceptors in rat brain microvascular endothelial cells. 115. 1199
- Autoradiography of P_{2X} ATP receptors in the rat brain, 115, 302
- Characteristics of nucleotide receptors that cause elevation of cytoplasmic calcium in immortalized rat brain endothelial cells (RBE4) and in primary cultures, 115, 1245
- Contractility of urinary bladder and vas deferens after sensory denervation by capsaicin treatment of newborn rats, 114, 166
- Differential modulation of voltage-activated conductances by intracellular and extracellular cyclic nucleotides in leech salivary glands, 116, 1849
- Interacting roles of nitric oxide and ATP in the pulmonary circulation of the rat, 114, 846
- Modulation by nicotinamide adenine dinucleotide of sympathetic and sensory-motor neurotransmission via P₁-purinoceptors in the rat mesenteric arterial bed, 114, 1541
- Pharmacological analysis of the interaction between purinoceptor agonists and antagonists in the guinea-pig taenia caecum, 115, 549
- PPADS: an antagonist at endothelial P_{2Y}-purinoceptors but not P_{2U}-purinoceptors, 116, 2413
- Purinoceptor agonists, Pharmacological analysis of the interaction between purinoceptor agonists and antagonists in the guinea-pig taenia caecum, 115, 549
- Purinoceptor antagonists, Inhibition of rat colon contractility by prostacyclin (IP-) receptor agonists: involvement of NANC neurotransmission. 115, 163
- Pharmacological analysis of the interaction between purinoceptor agonists and antagonists in the guinea-pig taenia caecum, 115, 549
- Purinoceptor subtypes, Characteristics of nucleotide receptors that cause elevation of cytoplasmic calcium in immortalized rat brain endothelial cells (RBE4) and in primary cultures, 115, 1245
- Purinoceptor P₁ subtypes, Contribution of P₁-(A_{2b} subtype) and P₂-purinoceptors to the control of vascular tone in the rat isolated mesenteric arterial bed, 115, 648
- P₂-purinoceptor-mediated inhibition of noradrenaline release in rat atria, 115, 247
- Purinoceptor P₂ subtypes, Actions of ADP, but not ATP, on cytosolic free Ca²⁺ in single rat hepatocytes mimicked by 2-methylthioATP, 116,
- Activation by ATP of a P_{2U} 'nucleotide' receptor in an exocrine cell, 115, 321

- ATP, a partial agonist of atypical P_{2Y} purinoceptors in rat brain microvascular endothelial cells, 115, 1199
- The biphasic response of rat vesical smooth muscle to ATP, 114, 1557
- Contribution of P₁-(A_{2b} subtype) and P₂-purinoceptors to the control of vascular tone in the rat isolated mesenteric arterial bed, 115, 648
- Contribution of P₂-purinoceptors to neurogenic contraction of rat urinary bladder smooth muscle, 115, 636
- Differentiation by pyridoxal 5-phosphate, PPADS and IsoPPADS between responses mediated by UTP and those evoked by α,βmethylene-ATP on rat sympathetic ganglia, 114, 727
- Discrimination between UTP- and P₂-purinoceptor-mediated depolarization of rat superior cervical ganglia by 4,4'-diisothiocyanatostilbene-2,2'-disulphonate (DIDS) and uniblue A, 115, 427
- Effect of P₂-purinoceptor antagonists on glutamatergic transmission in the rat hippocampus, 115, 1276
- Effects of suramin on contractions of the guinea-pig vas deferens induced by analogues of adenosine 5'-triphosphate, 114, 1125
- Evidence for the presence of both pre- and postjunctional P₂-purinoceptor subtypes in human isolated urinary bladder, 114, 35
- Evidence for requirement of tyrosine phosphorylation in endothelial P_{2Y}- and P_{2U}-purinoceptor stimulation of prostacyclin release, 116, 2563
- Evidence that [³H]-α,β-methylene ATP may label an endothelialderived cell line 5'-nucleotidase with high affinity, 115, 767
- Inhibitory action of PPADS on relaxant responses to adenine nucleotides or electrical field stimulation in guinea-pig taenia coli and rat duodenum, 115, 1509
- A novel P₂-purinoceptor expressed by a subpopulation of astrocytes from the dorsal spinal cord of the rat, 116, 2909
- A novel receptor for diadenosine polyphosphates coupled to calcium increase in rat midbrain synaptosomes, 115, 895
- P₂-purinoceptor-mediated inhibition of noradrenaline release in rat atria, 115, 247
- Pharmacological and biochemical analysis of FPL 67156, a novel, selective inhibitor of ecto-ATPase, 114, 475
- Pharmacological profile of the novel P_{2T}-purinoceptor antagonist, FPL 67085 in vitro and in the anaesthetized rat in vivo, 115, 1110
- Pharmacological selectivity of the cloned human P_{2U}-purinoceptor: notent activation by diadenosine tetraphosphate. 116, 1619
- Potent agonist action of 2-thioether derivatives of adenine nucleotides at adenylyl cyclase-linked P_{2Y}-purinoceptors, 116, 2611
- Regulation of transporthelial ion transport by two different purinoceptors in the apical membrane of canine kidney (MDCK) cells, 114, 1052
- Responses of the aorta of the garter snake (Thamnophis sirtalis parietalis) to purines, 114, 41
- Structure-activity relationship of a pyrimidine receptor in the rat isolated superior cervical ganglion, 116, 2764
- A study on P_{2X} purinoceptors mediating the electrophysiological and contractile effects of purine nucleotides in rat vas deferens, 115, 177
- Synergy between the inositol phosphate responses to transfected human adenosine A₁-receptors and constitutive P₂-purinoceptors in CHO-K1 cells, 115, 1415
- UTP- and ATP-triggered transmitter release from rat sympathetic neurones via separate receptors, 116, 2341
- Vasoconstrictor responses to the P_{2X}-purinoceptor agonist β,γ-methylene-L-ATP in human cutaneous and renal blood vessels, 116, 1932
- Pyridoxal-5-phosphate, Differentiation by pyridoxal 5-phosphate, PPADS and IsoPPADS between responses mediated by UTP and those evoked by α,β-methylene-ATP on rat sympathetic ganglia, 114, 727
- Pyrimidinoceptors, Differentiation by pyridoxal 5-phosphate, PPADS and IsoPPADS between responses mediated by UTP and those evoked by α,β-methylene-ATP on rat sympathetic ganglia, 114, 727
- Structure-activity relationship of a pyrimidine receptor in the rat isolated superior cervical ganglion, 116, 2764
- UTP- and ATP-triggered transmitter release from rat sympathetic neurones via separate receptors, 116, 2341
- PYX-2, Failure of the putative neuropeptide Y antagonists, benextramine and PYX-2, to inhibit Y₂ receptors in rat isolated prostatic vas deferens, 116, 2401

Q

Quantal release, The effect of opiates on the terminal nerve impulse and quantal secretion from visualized amphibian nerve terminals, 115, 441

Quercetin, Inhibition by cromoglycate and some flavonoids of nucleoside diphosphate kinase and of exocytosis from permeabilized mast cells, 115, 1080

Quinapril, Endothelial function in spontaneously hypertensive rats: influence of quinapril treatment, 115, 859

- Quinidine, Electrocardiographic interactions between pinacidil, a potassium channel opener and class I antiarrhythmic agents in guineapig isolated perfused heart, 114, 1745
- The hyperthermic and neurotoxic effects of 'Ecstasy' (MDMA) and 3,4-methylenedioxyamphetamine (MDA) in the Dark Agouti (DA) rat, a model of the CYP2D6 poor metabolizer phenotype, 115, 1281
- Pharmacology of stretch-activated K channels in Lymnaea neurones, 114, 180
- Quinidine blockade of the carbachol-activated nonselective cationic current in guinea-pig gastric myocytes, 115, 1407
- Quinidine-induced open channel block of K⁺ current in rat ventricle, 115, 335

Quinine, Further analysis of the mechanisms underlying the tracheal relaxant action of SCA40, 114, 143

Quisqualic acid, Characterization of metabotropic glutamate receptorstimulated phosphoinositide hydrolysis in rat cultured cerebellar granule cells, 116, 2824

R

R56865, Effect of R56865 on cardiac sarcoplasmic reticulum function and its role as an antagonist of digoxin at the sarcoplasmic reticulum calcium release channel, 114, 231

Radioimmunoassays, Distribution and effects of pituitary adenylate cyclase activating peptide in cat and human lower oesophageal sphincter, 116, 2873

- Phosphoramidon inhibition of the in vivo conversion of big endothelin-1 to endothelin-1 in the human forearm, 116, 1821
- Pituitary adenylate cyclase-activating polypeptide, helospectin, and vasoactive intestinal polypeptide in human corpus cavernosum, 116, 2258

Radioligand binding, The α_{1C} -adrenoceptor in human prostate: cloning, functional expression, and localization to specific prostatic cell types, 115, 1475

- Characteristics of the binding of [³H]-mepyramine to intact human U373 MG astrocytoma cells: evidence for histamine-induced H₁-receptor internalisation, 116, 2715
- Evidence that the atypical 5-HT₃ receptor ligand, [³H]-BRL46470, labels additional 5-HT₃ binding sites compared to [³H]-granisetron, 116, 1781
- Inhibition of morphine withdrawal by the association of RB 101, an inhibitor of enkephalin catabolism, and the CCK_B antagonist PD-134.308. 114, 1031
- The interaction of RS 25259-197, a potent and selective antagonist, with 5-HT₃ receptors. in vitro. 114, 851
- The relationship between density of α-adrenoceptor binding sites and contractile responses in several porcine isolated blood vessels, 114, 678
- Selectivity of the imidazoline α-adrenoceptor agonists (oxymetazoline and cirazoline) for human cloned α₁-adrenoceptor subtypes, 116, 1611

Ramipril, Ramipril-induced decrease in renal lithium excretion in the rat, 116, 2161

Ranitidine, JB-9322, a new selective histamine H₂-receptor antagonist with potent gastric mucosal protective properties, 115, 57

Raphé nucleus, Evidence that 5-hydroxytryptamine release in rat dorsal raphé nucleus is controlled by 5-HT_{1A}, 5-HT_{1B} and 5-HT_{1D} autoreceptors, 114, 1107

RAW 264.7, Inhibition by N-acetyl-5-hydroxytryptamine of nitric oxide synthase expression in cultured cells and in the anaesthetized rat, 115, 1175

RB 101, Inhibition of morphine withdrawal by the association of RB 101, an inhibitor of enkephalin catabolism, and the CCK_B antagonist PD- 134,308, 114, 1031

RBE4 cells, Characteristics of nucleotide receptors that cause elevation of cytoplasmic calcium in immortalized rat brain endothelial cells (RBE4) and in primary cultures, 115, 1245

Rdl gene, Actions of the insecticide fipronil, on dieldrin-sensitive and resistant GABA receptors of Drosophila melanogaster, 115, 909

Reactive Blue 2, Effect of P₂-purinoceptor antagonists on glutamatergic transmission in the rat hippocampus, 115, 1276

Rebound contraction, Characteristics of the NANC post-stimulus ('rebound') contraction of the urinary bladder neck muscle in sheep, 116, 2451

Receptors, prejunctional, Prejunctional facilitatory α_1 -adrenoceptors in the rat urinary bladder, 114, 1710

Receptors, recombinant, An electrophysiological investigation of the properties of a murine recombinant 5-HT₃ receptor stably expressed in HEK 293 cells, 114, 1211

- Enhancement by GABA of the association rate of picrotoxin and tertbutylbicyclophosphorothionate to the rat cloned α1β2γ2 GABA_A receptor subtype, 115, 539
- Human muscarinic receptors expressed in A9L and CHO cells: activation by full and partial agonists, 114, 1241
- The interaction of trichloroethanol with murine recombinant 5-HT₃ receptors, 114, 1641

Receptor binding, β-Adrenoceptor subtypes in young and old rat ventricular myocytes: a combined patch-clamp and binding study, 116, 1835

 Relationship between agonist binding, phosphorylation and immunoprecipitation of the m₃-muscarinic receptor, and second messenger responses, 116, 1723

Receptor internalisation, Characteristics of the binding of [³H]mepyramine to intact human U373 MG astrocytoma cells: evidence for
histamine-induced H₁-receptor internalisation, 116, 2715

Receptor occupancy, Histamine H_1 receptor occupancy in human brains after single oral doses of histamine H_1 antagonists measured by positron emission tomography, 116, 1649

Receptor reserve, Extended concentration-response curves used to reflect full agonist efficacies and receptor occupancy-response coupling ranges, 115, 745

Reflexes, spinal, Ketanserin-sensitive depressant actions of 5-HT receptor agonists in the neonatal rat spinal cord, 116, 2647

Reflex potentials, Effects of nicorandil on the recovery of reflex potentials after spinal cord ischaemia in cats, 116, 1815

Relaxation, Inhibition by zinc protoporphyrin-IX of receptor-mediated relaxation of the rat aorta in a manner distinct from inhibition of haem oxygenase, 115, 186

 Multiple pathways underlying endothelium-dependent relaxation in the rabbit isolated femoral artery, 115, 31

Relaxin, Cellular localization of the inhibitory action of relaxin against uterine spasm, 116, 3028

 Relaxin-induced increased coronary flow through stimulation of nitric oxide production, 116, 1589

Remacemide, The effect of the desglycinyl metabolite of remacemide hydrochloride (FPL 12495AA) and dizocilpine (MK-801) on endogenous amino acid release from mouse cortex, 116, 3087

Renal excretion, Absence of a losartan interaction with renal lithium excretion in the rat, 116, 2166

 Ramipril-induced decrease in renal lithium excretion in the rat, 116, 2161

Renal pelvis, guinea-pig, Modulation by stereoselective inhibition of cyclo-oxygenase of electromechanical coupling in the guinea-pig isolated renal pelvis, 114, 1149

Renin, Central cardiovascular effects of acetylcholine in the conscious dog, 116, 2175

- In situ hybridization studies of prostacyclin receptor mRNA expression in various mouse organs, 116, 2828
- Prevention by blockade of angiotensin subtype₁-receptors of the development of genetic hypertension but not its heritability, 115, 557

Renin-angiotensin system, Lack of a centrally-mediated antihypertensive effect following acute or chronic central treatment with AT₁-receptor antagonists in spontaneously hypertensive rats, 116, 3181

Reperfusion, Effect of enalaprilat on bradykinin and des-Arg9-bradykinin

- release following reperfusion of the ischaemic rat heart, 115, 476
- An endogenous protectant effect of cardiac cyclic GMP against reperfusion-induced ventricular fibrillation in the rat heart, 116, 2923
- Failure of nitric oxide donors to alter arrhythmias induced by acute myocardial ischaemia or reperfusion in anaesthetized rats, 114, 349
- Loss of NADPH-diaphorase containing neurones after reversible focal ischaemia in rats delayed by L-NAME, 116, 2344
- Myocardial and coronary endothelial protective effects of acetylcholine after myocardial ischaemia and reperfusion in rats: role of nitric oxide, 115, 1532
- RES-701, Pharmacological evidence for the presence of three distinct functional endothelin receptor subtypes in the rabbit lateral saphenous vein. 114, 1529
- Reserpine, Inhibition of sympathetic vasoconstriction in pigs in vivo by the neuropeptide Y-Y₁ receptor antagonist BIBP 3226, 116, 2971
- Resistance vessels, cerebral, Endothelin ET_A receptor expression in human cerebrovascular smooth muscle cells, 116, 2441
- Respiration, Respiratory effects of baclofen and 3-aminopropylphosphinic acid in guinea-pigs, 114, 735
- Respiratory disease, Pharmacological activity of the C-terminal and N-terminal domains of secretory leukoprotease inhibitor in vitro, 115,
- Respiratory distress, A role for endothelin in bicuculline-induced neurogenic pulmonary oedema in rats, 115, 753
- Respiratory distress syndrome, Dose-response comparisons of five lung surfactant factor (LSF) preparations in an animal model of adult respiratory distress syndrome (ARDS), 115, 451
- Retrograde transport, Intraneuronal accumulation and persistence of radiolabel in rat brain following *in vivo* administration of [³H]-chlorisondamine, 116, 2503
- Retrothiorphan, Effect of endopeptidase-24.11 inhibitors and C-ANP receptor ligand on responses evoked in arterioles of rat cremaster muscle by atrial natriuretic peptide, 116, 3117
- RNA, Long-term carbachol treatment-induced down-regulation of muscarinic M₂-receptors but not m₂ receptor mRNA in a human lung cell line, 116, 2027
- Ro 22-9194, Electrophysiological effects of Ro 22-9194, a new antiarrhythmic agent, on guinea-pig ventricular cells, 114, 19
- Ro 46-2005, Pharmacological evidence for the presence of three distinct functional endothelin receptor subtypes in the rabbit lateral saphenous yein. 114, 1529
- Ro 47-0203, Pharmacological evidence for the presence of three distinct functional endothelin receptor subtypes in the rabbit lateral saphenous vein, 114, 1529
- Rolipram, Examination of the role of inhibition of cyclic AMP in α_2 -adrenoceptor mediated contractions of the porcine isolated palmar lateral vein, 114, 157
- Suppression of eosinophil function by RP 73401, a potent and selective inhibitor of cyclic AMP-specific phosphodiesterase: comparison with rolipram, 115, 39
- Rolling mouse Nagoya, Anti-ataxic effects of TRH and its analogue, TA-0910, in Rolling mouse Nagoya by metabolic normalization of the ventral tegmental area, 116, 3274
- RP 58802, Effects of β₂-adrenoceptor agonists on anti-IgE-induced contraction and smooth muscle reactivity in human airways, 114, 935
- RP 67580, Central versus peripheral site of action of the tachykinin NK₁antagonist RP 67580 in inhibiting chemonociception, 115, 486
- Delayed-type hypersensitivity-induced increase in vascular permeability in the mouse small intestine: inhibition by depletion of sensory neuropeptides and NK₁ receptor blockade, 114, 1483
- Effects of the tachykinin NK₁ receptor antagonist, RP 67580, on central cardiovascular and behavioural effects of substance P, neurokinin A and neurokinin B, 114, 1310
- Substance P-induced inflammatory responses in guinea-pig skin: The effect of specific NK₁ receptor antagonists and the role of endogenous mediators, 114, 1343
- RP 73401, Suppression of eosinophil function by RP 73401, a potent and selective inhibitor of cyclic AMP-specific phosphodiesterase: comparison with rolipram, 115, 39
- RS 15385-197, A re-evaluation of the role of α_2 -adrenoceptors in the anxiogenic effects of yohimbine, using the selective antagonist

- delequamine in the rat, 116, 2081
- The role of α₂-adrenoceptors in the vasculature of the rat tail, 114, 1724
- RS 25259, Pharmacological characterization of RS 25259-197, a novel and selective 5-HT₃ receptor antagonist, in vivo, 114, 860
- RS 25259-197, The interaction of RS 25259-197, a potent and selective antagonist, with 5-HT₃ receptors, in vitro, 114, 851
- Pharmacological characterization of RS 25259-197, a novel and selective 5-HT₃ receptor antagonist, in vivo, 114, 860
- RS 39604, RS 39604: a potent, selective and orally active 5-HT₄ receptor antagonist, 115, 1087
- RS 45041-190, RS-45041-190: a selective, high-affinity ligand for I₂ imidazoline receptors, 116, 1737
- [3 H]-RS 45041-190, [3 H]-RS-45041-190: a selective high-affinity radioligand for I $_2$ imidazoline receptors, 116, 1729
- RS 67333, Pharmacological characterization of two novel and potent 5-HT₄ receptor agonists, RS 67333 and RS 67506, *in vitro* and *in vivo*, 115, 1387
- RS 67506, Pharmacological characterization of two novel and potent 5-HT₄ receptor agonists, RS 67333 and RS 67506, *in vitro* and *in vivo*, 115, 1387
- RS 87476, Actions of the novel neuroprotective agent, lifarizine (RS-87476), on voltage-dependent sodium currents in the neuroblastoma cell line, N1E-115, 114, 1738
- [³H]-Lifarizine, a high affinity probe for inactivated sodium channels, 115, 1103
- Rubidium efflux, Potentiation of P1075-induced K⁺ channel opening by stimulation of adenylate cyclase in rat isolated aorta, 115, 515
- Rubidium uptake, Possible role of Na*-K*-ATPase in the regulation of human corpus cavernosum smooth muscle contractility by nitric oxide, 116, 2201
- Ruthenium red, 4,6-Dibromo-3-hydroxycarbazole (an analogue of caffeine-like Ca²⁺ releaser), a novel type of inhibitor of Ca²⁺-induced Ca²⁺ release in skeletal muscle sarcoplasmic reticulum, 114, 941
- Heparin-insensitive calcium release from intracellular stores triggered by the recombinant human parathyroid hormone receptor, 114, 1613
- Hypotensive effect of 13-hydroxylinoleic acid in the rat: mediation via the release of a CGRP-like mediator from capsaicin-sensitive nerves, 115, 835
- Rutin, Prevention by α-tocopherol and rutin of glutathione and ATP depletion induced by oxidized LDL in cultured endothelial cells, 116, 1985
- [³H]-RX821002, The relationship between density of α-adrenoceptor binding sites and contractile responses in several porcine isolated blood vessels, 114, 678
- Ryanodine, Caffeine-evoked, calcium sensitive membrane currents in rabbit aortic endothelial cells. 115, 133
- Characteristics of the NANC post-stimulus ('rebound') contraction of the urinary bladder neck muscle in sheep, 116, 2451
- Effect of the Ca²⁺-ATPase inhibitor, cyclopiazonic acid, on electromechanical coupling in the guinea-pig ureter, 114, 127
- Effects of 8-bromoguanosine 3':5'-cyclic monophosphate on phenylephrine-induced phosphatidylinositol hydrolysis and contraction in rat caudal artery, 116, 1697
- Heparin-insensitive calcium release from intracellular stores triggered by the recombinant human parathyroid hormone receptor, 114, 1613
- Inhibition of calcium release from the sarcoplasmic reticulum of rabbit aorta by hydralazine, 114, 238
- Interaction between gallopamil and cardiac ryanodine receptors, 114,
 85
- The mechanism of action of α_2 -adrenoceptors in human isolated subcutaneous resistance arteries, 115, 1463
- Postjunctional $α_1$ and β-adrenoceptor effects of noradrenaline on electrical slow waves and phasic contractions of cat colon circular muscle, 116, 3265
- Sustained contraction produced by caffeine after ryanodine treatment in the circular muscle of the guinea-pig gastric antrum and rabbit portal vein, 114, 1414
- Ryanodine binding, 4,6-Dibromo-3-hydroxycarbazole (an analogue of caffeine-like Ca²⁺ releaser), a novel type of inhibitor of Ca²⁺-induced Ca²⁺ release in skeletal muscle sarcoplasmic reticulum, 114, 941

S

- S14080, S14080, a peripheral analgesic acting by release of an endogenous circulating opioid-like substance, 114, 303
- S16257, Acute and chronic cardiac and regional haemodynamic effects of the novel bradycardic agent, S16257, in conscious rats, 115, 579
- Effects of the two enantiomers, S-16257-2 and S-16260-2, of a new bradycardic agent on guinea-pig isolated cardiac preparations, 115, 787
- Salbutamol, Cellular localization of the inhibitory action of relaxin against uterine spasm, 116, 3028
- Correlation of cyclic AMP accumulation and relaxant actions of salmeterol and salbutamol in bovine tracheal smooth muscle, 116, 2510
- Different effects of salmeterol, formoterol and salbutamol on cholinergic responses in the ferret trachea, 114, 1478
- Effects of β₂-adrenoceptor agonists on anti-IgE-induced contraction and smooth muscle reactivity in human airways, 114, 935
- Inhibition of bronchoconstriction by pituitary adenylate cyclase activating polypeptide (PACAP 1-27) in guinea-pigs in vivo, 115, 913
- The involvement of ATP-sensitive potassium channels in β-adrenoceptor-mediated vasorelaxation in the rat isolated mesenteric arterial bed, 115, 607
- Salivary glands, Differential modulation of voltage-activated conductances by intracellular and extracellular cyclic nucleotides in leech salivary glands, 116, 1849
- Effect of nitric oxide on integrity, blood flow and cyclic GMP levels in the rat gastric mucosa: modulation by sialoadenectomy, 115, 344
- Salmeterol, Correlation of cyclic AMP accumulation and relaxant actions of salmeterol and salbutamol in bovine tracheal smooth muscle, 116, 2510
- Different effects of salmeterol, formoterol and salbutamol on cholinergic responses in the ferret trachea, 114, 1478
- Effects of β₂-adrenoceptor agonists on anti-IgE-induced contraction and smooth muscle reactivity in human airways, 114, 935
- Saponin, Mechanism of angiogenic effects of saponin from Ginseng Radix rubra in human umbilical vein endothelial cells, 115, 1188
- Sarafotoxins, Actions of endothelins and sarafotoxin 6c in the rat isolated perfused lung, 115, 653
- Characterization of endothelin receptors in rat renal artery in vitro, 114, 785
- Potentiation by endothelin-1 of cholinergic nerve-mediated contractions in mouse trachea via activation of ET_B receptors, 114, 563
- Receptors for endothelin-1 in asthmatic human peripheral lung, 114, 1
- Sarcoplasmic reticulum, 4,6-Dibromo-3-hydroxycarbazole (an analogue of caffeine-like Ca²⁺ releaser), a novel type of inhibitor of Ca²⁺-induced Ca²⁺ release in skeletal muscle sarcoplasmic reticulum, 114, 941
- Effect of the Ca²⁺-ATPase inhibitor, cyclopiazonic acid, on electromechanical coupling in the guinea-pig ureter, 114, 127
- Effect of R56865 on cardiac sarcoplasmic reticulum function and its role as an antagonist of digoxin at the sarcoplasmic reticulum calcium release channel. 114, 231
- Inhibition of calcium release from the sarcoplasmic reticulum of rabbit aorta by hydralazine, 114, 238
- Interaction between gallopamil and cardiac ryanodine receptors, 114, 85
- Photosensitization of oesophageal smooth muscle by 3-NO₂-1,4-dihydropyridines: evidence for two cyclic GMP-dependent effector pathways, 116, 3293
- Satiety, 2-Naphthalenesulphanyl-L-aspartyl-2-(phenethyl) amide (2-NAP) and food intake in rats: evidence that endogenous peripheral CCK does not play a major role as a satiety factor, 116, 2371
- SB 200646, Mediation by 5-hydroxytryptamine_{2B} receptors of endothelium-dependent relaxation in rat jugular vein, 114, 400
- SB 200646A, Functional evidence for a 5-HT_{2B} receptor mediating contraction of longitudinal muscle in human small intestine, 114, 1525
- SB 204070, RS 39604: a potent, selective and orally active 5-HT₄ receptor antagonist, 115, 1087
- [125]-SB 207710, Labelling with [125]-SB 207710 of a small 5-HT₄ receptor population in piglet right atrium: functional relevance, 115, 022
- SB 209670, Enhancement of the haemodynamic effects of N^G -monomethyl-L-arginine by transforming growth factor- β_1 in conscious,

- normal, but not endotoxaemic, rats, 116, 3042
- Enhancement of the hypotensive and vasodilator effects of endotoxaemia in conscious rats by the endothelin antagonist, SB 209670, 116. 1718
- Haemodynamic effects of losartan and the endothelin antagonist, SB 209670, in conscious, transgenic ((mRen-2)27), hypertensive rats, 116, 2237
- In vivo pharmacological characterization of the non-peptide endothelin receptor antagonist SB 209670, 114, 405
- Pharmacological evidence for the presence of three distinct functional endothelin receptor subtypes in the rabbit lateral saphenous vein, 114, 1529
- SC 53116, A comparative study of functional 5-HT₄ receptors in human colon, rat oesophagus and rat ileum, 115, 47
- SCA40, A comparison of the effects of SCA40, NS 004 and NS 1619 on large conductance Ca²⁺-activated K⁺ channels in bovine tracheal smooth muscle cells in culture, 116, 1656
- Further analysis of the mechanisms underlying the tracheal relaxant action of SCA40, 114, 143
- SCH 23390, Pharmacological characterization of behavioural responses to SK&F 83959 in relation to 'D₁-like' dopamine receptors not linked to adenylyl cyclase, 116, 2120
- Schild analysis, Exposure and characterization of the action of noradrenaline at dopamine receptors mediating endothelium-independent relaxation of rat isolated small mesenteric arteries, 116, 3237
- Schizophrenia, Enhancement of immobility in a forced swimming test by subacute or repeated treatment with phencyclidine: a new model of schizophrenia, 116, 2531
- SD 3212, Electrophysiological effects of SD-3212, a new antiarrhythmic agent with vasodilator action, on guinea-pig ventricular cells, 114, 503
- a new class I and IV antiarrhythmic drug: a potent inhibitor of the muscarinic acetylcholine-receptor-operated potassium current in guinea-pig atrial cells, 116, 2750
- SDZ 205557, Differences in response to 5-HT₄ receptor agonists and antagonists of the 5-HT₄-like receptor in human colon circular smooth muscle, 115, 172
- SDZ 224015, Reduction of inflammation and pyrexia in the rat by oral administration of SDZ 224-015, an inhibitor of the interleukin-1 β converting enzyme, 115, 601
- Secretion, intestinal, Functional characterization of the adenosine receptor mediating inhibition of intestinal secretion, 114, 152
- Secretory leukoprotease inhibitors (SLPIs), Pharmacological activity of the C-terminal and N-terminal domains of secretory leukoprotease inhibitor in vitro, 115, 883
- Sedation, Histamine H₁ receptor occupancy in human brains after single oral doses of histamine H₁ antagonists measured by positron emission tomography, 116, 1649
- The protective action of chlormethiazole against ischaemia-induced neurodegeneration in gerbils when infused at doses having little sedative or anticonvulsant activity, 114, 1625
- Seminal vesicles, Ionic currents and inhibitory effects of glibenclamide in seminal vesicle smooth muscle cells, 115, 1447
- Semotiadil, Effects of semotiadil fumarate, a novel Ca²⁺ antagonist, on cytosolic Ca²⁺ level and force of contraction in porcine coronary arteries, 114, 1289
- Pharmacological profile of semotiadil fumarate, a novel calcium antagonist, in rat experimental angina model, 116, 1668
- Senktide, Subtypes of tachykinin receptors on tonic and phasic neurones in coeliac ganglion of the guinea-pig, 115, 25
- Sensory nerves, Activation of the micturition reflex by NK₂ receptor stimulation in the anaesthetized guinea-pig, 115, 875
- Effect of a 5-HT₁ receptor agonist, CP-122,288, on oedema formation induced by stimulation of the rat saphenous nerve, 115, 1
- Hypotensive effect of 13-hydroxylinoleic acid in the rat: mediation via the release of a CGRP-like mediator from capsaicin-sensitive nerves, 115, 835
- Inhibition of bradykinin-evoked trigeminal nerve stimulation by the non-peptide bradykinin B₂ receptor antagonist WIN 64338 in vivo and in vitro 116, 3164
- Sensory neurones, cultured, Modulation of Ca²⁺-dependent currents in metabolically stressed cultured sensory neurones by intracellular photo-

- release of ATP, 114, 544
- Sensory-motor transmission, Modulation by nicotinamide adenine dinucleotide of sympathetic and sensory-motor neurotransmission via P₁-purinoceptors in the rat mesenteric arterial bed, 114, 1541
- Sepsis shock, Effects of nitric oxide synthase inhibition combined with nitric oxide inhalation in a porcine model of endotoxin shock, 114, 363
- Role for intracellular platelet-activating factor in the circulatory failure in a model of Gram-positive shock, 116, 3191
- Septide, Demonstration of a 'septide-sensitive' inflammatory response in rat skin, 116, 2170
- Sertraline, Further evidence of anticonvulsant role for 5 hydroxytryptamine in genetically epilepsy-prone rats, 115, 1314
- SH-SY5Y cells, Activation of phospholipase C in SH-SY5Y neuroblastoma cells by potassium-induced calcium entry, 116, 1797
- Desensitization of the μ-opioid activation of phospholipase C in SH-SY5Y cells: the role of protein kinases C and A and Ca²⁺-activated K⁺ currents, 116, 2655
- Shock, Effects of nitric oxide synthase inhibition combined with nitric oxide inhalation in a porcine model of endotoxin shock, 114, 363
- Improved survival and reversal of endothelial dysfunction by the 21aminosteroid, U-74389G in splanchnic ischaemia-reperfusion injury in the rat, 115, 395
- Isothioureas: potent inhibitors of nitric oxide synthases with variable isoform selectivity, 114, 510
- The multiple organ dysfunction syndrome caused by endotoxin in the rat: attenuation of liver dysfunction by inhibitors of nitric oxide synthase. 116, 2845
- Platelet-activating factor: the effector of protein-rich plasma extravasation and nitric oxide synthase induction in rat immune complex peritonitis, 114, 895
- Reflex circulatory collapse following intrapulmonary entrapment of activated platelets: mediation via 5-HT₃ receptor stimulation, 116, 2048
- The role of nitric oxide in cardiac depression induced by interleukin-1β and tumour necrosis factor-α, 114, 27
- Shock, circulatory, Delayed circulatory failure due to the induction of nitric oxide synthase by lipoteichoic acid from Staphylococcus aureus in anaesthetized rats, 114, 1317
- Short circuit currents, Regulation of transepithelial ion transport by two different purinoceptors in the apical membrane of canine kidney (MDCK) cells, 114, 1052
- Sialoadenectomy, Effect of nitric oxide on integrity, blood flow and cyclic GMP levels in the rat gastric mucosa: modulation by sialoadenectomy, 115, 344
- Sigma receptors, Blockade by sigma site ligands of high voltageactivated Ca²⁺ channels in rat and mouse cultured hippocampal pyramidal neurones, 116, 2801
- Blockade by sigma site ligands of N-methyl-p-aspartate-evoked responses in rat and mouse cultured hippocampal pyramidal neurones, 116, 2791
- SIN-1, Failure of nitric oxide donors to alter arrhythmias induced by acute myocardial ischaemia or reperfusion in anaesthetized rats, 114, 349
- Influence of chronic treatment with a nitric oxide donor on fatty streak development and reactivity of the rabbit aorta, 114, 1371
- Single channels, Pentobarbitone modulation of NMDA receptors in neurones isolated from the rat olfactory brain, 116, 3005
- Sinoaortic denervation, Relationships between kallikrein secretion, kallikrein excretion and β-adrenoceptors in kidney cortical slices from neurogenic hypertensive dogs, 116, 1704
- SK&F 83959, Pharmacological characterization of behavioural responses to SK&F 83959 in relation to 'D₁-like' dopamine receptors not linked to adenylyl cyclase, 116, 2120
- SK&F 96231, Nitric oxide, an enteric nonadrenergic-noncholinergic relaxant transmitter: evidence using phosphodiesterase V and nitric oxide synthase inhibition, 116, 1789
- SK&F 96365, On the inhibition of prostanoid formation by SK&F 96365, a blocker of receptor-operated calcium entry, 114, 598
- The role of capacitative Ca^{2+} influx in the α_{1B} -adrenoceptor-mediated contraction to phenylephrine of the rat spleen, 116, 2327
- Skeletal muscle, 4,6-Dibromo-3-hydroxycarbazole (an analogue of caffeine-like Ca²⁺ releaser), a novel type of inhibitor of Ca²⁺-induced Ca²⁺ release in skeletal muscle sarcoplasmic reticulum, 114, 941

 Accelerated desensitization of nicotinic receptor channels and its dependence on extracellular calcium in isolated skeletal muscles of streptozotocin-diabetic mice, 116, 1680

- Acute effects of the β_3 -adrenoceptor agonist, BRL 35135, on tissue glucose utilisation, 114, 888
- Effects of metformin treatment on glucose transporter proteins in subcellular fractions of skeletal muscle in (fa/fa) Zucker rats, 115, 1182
- Modulation by prednisolone of calcium handling in skeletal muscle cells, 116, 2811
- Skeletal muscle cells, Modulation of the isoprenaline-induced membrane hyperpolarization of mouse skeletal muscle cells, 116, 2881
- Skin, guinea-pig, Substance P-induced inflammatory responses in guineapig skin: The effect of specific NK₁ receptor antagonists and the role of endogenous mediators, 114, 1343
- Skin, rabbit, An investigation into the mechanism of capsaicin-induced oedema in rabbit skin. 114. 570
- Skin, rat, Interaction of human adrenomedullin₁₃₋₅₂ with calcitonin generelated peptide receptors in the microvasculature of the rat and hamster, 114, 592
- Small intestine, Delayed-type hypersensitivity-induced increase in vascular permeability in the mouse small intestine: inhibition by depletion of sensory neuropeptides and NK₁ receptor blockade, 114, 1483
- Smooth muscle, Activation by intracellular GDP, metabolic inhibition and pinacidil of a glibenclamide-sensitive K-channel in smooth muscle cells of rat mesenteric artery, 114, 662
- Calcium compartments in vascular smooth muscle cells as detected by aequorin signal, 116, 3000
- Effect of the Ca²⁺-ATPase inhibitor, cyclopiazonic acid, on electromechanical coupling in the guinea-pig ureter, 114, 127
- Effect of diabetes and elevated glucose on nitric oxide-mediated neurotransmission in rat anococcygeus muscle, 115, 409
- Effect of illuminated nifedipine, a potent antioxidant, on intestinal and vascular smooth muscles, 115, 871
- Effect of UK-84149 on voltage-activated calcium currents of single smooth muscle cells from guinea-pig and rabbit jejunum and rabbit coronary artery, 114, 1657
- Effects of divalent cations and La³⁺ on contractility and ecto-ATPase activity in the guinea-pig urinary bladder, 114, 632
- Effects of GTPγS on muscarinic receptor-stimulated inositol phospholipid hydrolysis in permeabilized smooth muscle from the small intestine, 115, 147
- G-protein involvement in muscarinic receptor-stimulation of inositol phosphates in longitudinal smooth muscle from the small intestine of the guinea-pig, 114, 119
- Inhibition of calcium release from the sarcoplasmic reticulum of rabbit aorta by hydralazine, 114, 238
- Inhibition of delayed rectifier K⁺-current by leveromakalim in single intestinal smooth muscle cells: effects of cations and dependence on K⁺-flux, 114, 391
- Inhibition of muscarinic receptor-induced inositol phospholipid hydrolysis by caffeine, β-adrenoceptors and protein kinase C in intestinal smooth muscle, 114, 602
- Inhibitory actions of GABA on rabbit urinary bladder muscle strips: mediation by potassium channels, 115, 81
- Inhibitory effects of SR 58611A on canine colonic motility: evidence for a role of β_3 -adrenoceptors, 114, 1447
- Ionic currents and inhibitory effects of glibenclamide in seminal vesicle smooth muscle cells. 115, 1447
- Modulation of calcium channel currents by arachidonic acid in single smooth muscle cells from vas deferens of the guinea-pig, 116, 1887
- The pharmacological properties of K⁺ currents from rabbit isolated aortic smooth muscle cells, 116, 3139
- Sustained contraction produced by caffeine after ryanodine treatment in the circular muscle of the guinea-pig gastric antrum and rabbit portal vein, 114, 1414
- The use of receptor desensitization to analyse CCK_A and CCK_B/gastrin receptors coupled to contraction in guinea-pig stomach muscle, 114, 339
- Smooth muscle, airways, The effect of glucocorticoids on proliferation of human cultured airway smooth muscle, 116, 3219

 Functional, biochemical and morphological studies on human bronchi after cryopreservation, 116, 2569

- Potentiation by endothelin-1 of cholinergic nerve-mediated contractions in mouse trachea via activation of ET_B receptors, 114, 563
- The promotion of patent airways and inhibition of antigen-induced bronchial obstruction by endogenous nitric oxide, 116, 2957
- Regulation by phosphodiesterase isoenzymes of non-adrenergic noncholinergic contraction in guinea-pig isolated main bronchus, 116, 2334
- Relaxant actions of isoprenaline on guinea-pig isolated tracheal smooth muscle, 116, 2738

Smooth muscle, arterial, Endothelial function in spontaneously hypertensive rats: influence of quinapril treatment, 115, 859

Smooth muscle, bladder, Contribution of P₂-purinoceptors to neurogenic contraction of rat urinary bladder smooth muscle, 115, 636

Smooth muscle, colon, Inhibition of rat colon contractility by prostacyclin (IP-) receptor agonists: involvement of NANC neurotransmission, 115, 163

Smooth muscle, gastrointestinal, Ca²⁺ entry activated by emptying of intracellular Ca²⁺ stores in ileal smooth muscle of the rat, 114, 1165

- Characterization of muscarinic receptors mediating contractions of circular and longitudinal muscle of human isolated colon, 115, 1518
- Impairment of nitrergic-mediated relaxation of rat isolated duodenum by experimental diabetes, 114, 919

Smooth muscle, iris, Characterization of muscarinic receptors mediating relaxation and contraction in the rat iris dilator muscle, 114, 769

Smooth muscle, tracheal, Adenosine receptor-mediated relaxation of guinea-pig precontracted, isolated trachea, 116, 2425

- Comparative effects of activation of soluble and particulate guanylyl cyclase on cyclic GMP elevation and relaxation of bovine tracheal smooth muscle, 115, 723
- Correlation of cyclic AMP accumulation and relaxant actions of salmeterol and salbutamol in bovine tracheal smooth muscle, 116, 2510
- Dysfunction of muscarinic M₂ receptors after the early allergic reaction: possible contribution to bronchial hyperresponsiveness in allergic guinea-pigs, 114, 881
- Effect of KC399, a newly synthesized K⁺ channel opener, on acetylcholine-induced electrical and mechanical activities in rabbit tracheal smooth muscle, 115, 1493
- Effects of IZP-94005 (contignasterol) on antigen-induced bronchial responsiveness in ovalbumin-sensitized guinea-pigs, 115, 1433
- No evidence for a role of muscarinic M₂ receptors in functional antagonism in bovine trachea, 115, 665
- Stimulation by endothelin-1 of mitogen-activated protein kinases and DNA synthesis in bovine tracheal smooth muscle cells, 116, 2267

Smooth muscle, uterine, Increased sensitivity of rat myometrium to the contractile effect of platelet activating factor before delivery, 115, 1211

- Smooth muscle, vascular, Comparison of the effects of fenamates on Caactivated chloride and potassium currents in rabbit portal vein smooth muscle cells, 116, 2939
- Cytosolic calcium concentration-force relation during contractions in the rabbit femoral artery: time-dependency and stimulus specificity, 114, 329
- Differential effects of phosphoramidon on contractile responses to angiotensin II in rat blood vessels, 114, 1599
- Effect of frusemide, ethacrynic acid and indanyloxyacetic acid on spontaneous Ca-activated currents in rabbit portal vein smooth muscle cells, 115, 733
- Effect of platelet-derived growth factor on voltage-operated calcium channels in rabbit isolated ear artery cells, 115, 534
- Effects of 8-bromoguanosine 3':5'-cyclic monophosphate on phenylephrine-induced phosphatidylinositol hydrolysis and contraction in rat caudal artery, 116, 1697
- Effects of tyrosine kinase inhibitors on the contractility of rat mesenteric resistance arteries, 114, 1266
- Endothelin ET_A and ET_B mRNA and receptors expressed by smooth muscle in the human vasculature: majority of the ET_A sub-type, 114, 1110
- Endothelin-1 and endothelin-3 regulated differently vasoconstrictor responses of smooth muscle of the porcine coronary artery, 114, 171
- Increase in tone and intracellular Ca²⁺ in rabbit isolated ear artery by platelet-derived growth factor, 114, 138

- Inhibition of rabbit aortic smooth muscle cell proliferation by selective inhibitors of protein kinase C, 114, 1652
- Inhibitory action of betaxolol, a β₁-selective adrenoceptor antagonist, on voltage-dependent calcium channels in guinea-pig artery and vein, 115, 198
- Long-lasting activation of cation current by low concentration of endothelin-1 in mouse fibroblasts and smooth muscle cells of rabbit aorta, 115, 479
- Pharmacological characterization of noradrenaline-induced contractions of the porcine isolated palmar lateral vein and palmar common digital artery, 114, 694
- Reduction of vasoconstriction mediated by neuropeptide Y Y₂ receptors in arterioles of the guinea-pig small intestine, 115, 220
- Relaxation and decrease in [Ca²⁺]_i by hydrochlorothiazide in guinea-pig isolated mesenteric arteries, 114, 703
- Roles of endothelin receptors in the regional and systemic vascular responses to ET-1 in the anaesthetized ganglion-blocked rat: use of selective antagonists, 116, 2482
- Secretion of endothelin-1 and endothelin-3 by human cultured vascular smooth muscle cells, 114, 551
- Stimulation of two vascular smooth muscle-derived cell lines by angiotensin II: differential second messenger responses leading to mitogenesis, 115, 361
- Thapsigargin- and cyclopiazonic acid-induced endothelium-dependent hyperpolarization in rat mesenteric artery, 115, 987

Smooth muscle cells, Action of angiotensin II, 5-hydroxytryptamine and adenosine triphosphate on ionic currents in single ear artery cells of the rabbit, 116, 2148

- All-or-none augmentation of Ca²⁺ sensitivity in α-toxin-permeabilized single smooth muscle cells from guinea-pig taenia caecum, 115, 522
- Effect of endotoxin on the angiotensin II receptor in cultured vascular smooth muscle cells, 116, 2524
- Effect of 5-hydroxytryptamine on the membrane potential of endothelial and smooth muscle cells in the pig coronary artery, 115, 95
- Effect of UK-84149 on voltage-activated calcium currents of single smooth muscle cells from guinea-pig and rabbit jejunum and rabbit coronary artery, 114, 1657
- Endothelin ET_A receptor expression in human cerebrovascular smooth muscle cells, 116, 2441
- Induction of L-arginine transport and nitric oxide synthase in vascular smooth muscle cells: synergistic actions of pro-inflammatory cytokines and bacterial lipopolysaccharide, 116, 3243
- Inhibition of delayed rectifier K⁺-current by levcromakalim in single intestinal smooth muscle cells: effects of cations and dependence on K⁺-flux, 114, 391
- Inhibition by N-acetyl-5-hydroxytryptamine of nitric oxide synthase expression in cultured cells and in the anaesthetized rat, 115, 1175
- Mode of action of thrombin in the rabbit aorta, 115, 903
- Pharmacological characterization of bradykinin receptors in canine cultured tracheal smooth muscle cells, 114, 67
- The pharmacological properties of K⁺ currents from rabbit isolated aortic smooth muscle cells, 116, 3139
- Potentiation by tumour necrosis factor-α of calcium signals induced by bradykinin and carbachol in human tracheal smooth muscle cells, 114,
- Regulation of kinin-induced contraction and DNA synthesis by inflammatory cytokines in the smooth muscle of the rabbit aorta, 116, 1673

Smooth muscle cells, airways, The effect of glucocorticoids on proliferation of human cultured airway smooth muscle, 116, 3219

Smooth muscle cells, bronchial, human, Potassium currents in human freshly isolated bronchial smooth muscle cells, 115, 1117

Smooth muscle cells, tracheal, Ca²⁺ increase and Ca²⁺-influx in human tracheal smooth muscle cells: role of Ca²⁺ pools controlled by sarco-endoplasmic reticulum Ca²⁺-ATPase 2 isoform, 115, 1204

- A comparison of the effects of SCA40, NS 004 and NS 1619 on large conductance Ca²⁺-activated K⁺ channels in bovine tracheal smooth muscle cells in culture, 116, 1656
- Inhibition of serum-induced proliferation of bovine tracheal smooth muscle cells in culture by heparin and related glycosaminoglycans, 114, 1442

- Smooth muscle cells, vascular, Antiproliferative effects of A02011-1, an adenylyl cyclase activator, in cultured vascular smooth muscle cells of rat. 114, 1227
- Characterization of the thromboxane (TP-) receptor subtype involved in proliferation in cultured vascular smooth muscle cells of rat, 116, 1801
- Effect of platelet-derived growth factor on voltage-operated calcium channels in rabbit isolated ear artery cells, 115, 534
- In situ hybridization studies of prostacyclin receptor mRNA expression in various mouse organs, 116, 2828
- Stimulation of two vascular smooth muscle-derived cell lines by angiotensin II: differential second messenger responses leading to mitogenesis, 115, 361
- Smooth muscle relaxation, Distribution and effects of pituitary adenylate cyclase activating peptide in cat and human lower oesophageal sphincter, 116, 2873
- Factors involved in the relaxation of female pig urethra evoked by electrical field stimulation, 116, 1599
- SMS 201-995, SMS 201-995-induced stimulation of gastric acid secretion via the dorsal vagal complex and inhibition via the hypothalamus in anaesthetized rats, 116, 2303
- Snake venoms, Blockade of acetylcholine release at the motor endplate by a polypeptide from the venom of *Phoneutria nigriventer*, 116, 2817
- Sodium, intracellular, Effects of besipirdine at the voltage-dependent sodium channel, 116, 2468
- Sodium azide, The inhibitory effect of 3-amino-1,2,4-triazole on relaxation induced by hydroxylamine and sodium azide but not hydrogen peroxide or glyceryl trinitrate in rat aorta, 116, 3302
- Sodium channels, Actions of the novel neuroprotective agent, lifarizine (RS-87476), on voltage-dependent sodium currents in the neuro-blastoma cell line, N1E-115, 114, 1738
- Effects of besipirdine at the voltage-dependent sodium channel, 116, 2468
- Electrophysiological actions of felbamate on rat striatal neurones, 116, 2053
- [³H]-Lifarizine, a high affinity probe for inactivated sodium channels, 115, 1103
- Mechanism of inhibition of the sodium current by bepridil in guineapig isolated ventricular cells, 116, 1775
- Neuroprotective profile of lifarizine (RS-87476) in rat cerebrocortical neurones in culture, 114, 1365
- Sodium channels, voltage-activated, Inhibition by riluzole of glycinergic postsynaptic currents in rat hypoglossal motoneurones, 116, 3227
- Sodium cromoglycate, Inhibition of volume-activated chloride currents in endothelial cells by chromones, 115, 1393
- Sodium currents, Actions of the novel neuroprotective agent, lifarizine (RS-87476), on voltage-dependent sodium currents in the neuroblastoma cell line, N1E-115, 114, 1738
- [³H]-Lifarizine, a high affinity probe for inactivated sodium channels, 115, 1103
- SD-3212, a new class I and IV antiarrhythmic drug: a potent inhibitor of the muscarinic acetylcholine-receptor-operated potassium current in guinea-pig atrial cells, 116, 2750
- Tonic and use-dependent block of sodium currents in isolated cardiac myocytes by bisaramil, 114, 377
- Sodium excretion, Effects of calcitonin gene-related peptide receptor antagonists on renal actions of adrenomedullin, 115, 1133
- Renal effects of infusion of rilmenidine and guanabenz in conscious dogs: contribution of peripheral and central nervous system α₂adrenoceptors, 116, 1557
- Sodium ions, Differential effect of sodium ions and guanine nucleotides on the binding of thioperamide and clobenpropit to histamine H₃-receptors in rat cerebral cortical membranes, 114, 357
- Sodium nitroprusside, Alterations of insulin response to different β cell secretagogues and pancreatic vascular resistance induced by N^{ω} -nitro-L-arginine methyl ester, 116, 1965
- Comparative effects of activation of soluble and particulate guanylyl cyclase on cyclic GMP elevation and relaxation of bovine tracheal smooth muscle, 115, 723
- Effect of diabetes and elevated glucose on nitric oxide-mediated neurotransmission in rat anococcygeus muscle, 115, 409
- The effect of nitric oxide donors on haemodynamics and blood flow

distribution in the porcine carotid circulation, 114, 1303

- Enhancing and inhibitory effects of nitric oxide on superoxide anion generation in human polymorphonuclear leukocytes, 115, 1302
- Failure of nitric oxide donors to alter arrhythmias induced by acute myocardial ischaemia or reperfusion in anaesthetized rats, 114, 349
- Inhibition by sodium nitroprusside of the expression of inducible nitric oxide synthase in rat neutrophils, 114, 1105
- The involvement of ATP-sensitive potassium channels and adenosine in the regulation of coronary flow in the isolated perfused rat heart, 116, 3068
- Mediation by prostaglandins of the nitric oxide-induced neurogenic vasodilatation in rat skin, 116, 2365
- Possible role of Na⁺-K⁺-ATPase in the regulation of human corpus cavernosum smooth muscle contractility by nitric oxide, 116, 2201
- Significance of nitric oxide in the stimulation of intestinal fluid absorption in the rat jejunum in vivo, 114, 13
- Vascular pharmacology of methylene blue in vitro and in vivo: a comparison with N^G-nitro-L-arginine and diphenyleneiodonium, 114, 194
- Sodium pump, The in vivo effect of lipopolysaccharide on the spontaneous release of transmitter from motor nerve terminals, 116, 1757
- Sodium salicylate, Suppression of naloxone-precipitated withdrawal jumps in morphine-dependent mice by stimulation of prostaglandin EP₃ receptor, 116, 2661
- Sodium transport, The effect of neuropeptide Y on sodium, chloride and potassium transport across the rat distal colon, 115, 1071
- Somatostatin, Functional characterization of receptors with affinity for PYY, NPY, [Leu³¹,Pro³⁴]NPY and PP in a human colonic epithelial cell line, 116, 2673
- Further evidence from functional studies for somatostatin receptor heterogeneity in guinea-pig isolated ileum, vas deferens and right atrium, 115, 975
- Somatostatin analogues, SMS 201-995-induced stimulation of gastric acid secretion via the dorsal vagal complex and inhibition via the hypothalamus in anaesthetized rats, 116, 2303
- Somatostatin receptor agonists, Further evidence from functional studies for somatostatin receptor heterogeneity in guinea-pig isolated ileum, vas deferens and right atrium, 115, 975
- Spare receptors, Determination of K_A values by controlled receptor expression in *Xenopus* oocytesm, 116, 2062
- Spasmogens, Airway hyper- or hyporeactivity to inhaled spasmogens 24 h after ovalbumin challenge of sensitized guinea-pigs, 116, 2351
- Spin trapping, Specificity of different organic nitrates to elicit NO formation in rabbit vascular tissues and organs in vivo, 116, 2743
- Spinal cord, Blockade by ONO-NT-012, a unique prostanoid analogue, of prostaglandin E₂-induced allodynia in conscious mice, 115, 73
- The effect of morphine on formalin-evoked behaviour and spinal release of excitatory amino acids and prostaglandin E₂ using microdialysis in conscious rats, 114, 1069
- Effect of the NMDA-antagonist, MK 801, on benzodiazepine-opioid interactions at the spinal and supraspinal level in rats, 114, 1097
- Effects of nicorandil on the recovery of reflex potentials after spinal cord ischaemia in cats, 116, 1815
- Endogenous modulation of excitatory amino acid responsiveness by tachykinin NK₁ and NK₂ receptors in the rat spinal cord, 115, 1013
- Modulation of excitatory amino acid responses by tachykinins and selective tachykinin receptor agonists in the rat spinal cord, 115, 1005
- New high affinity peptide antagonists to the spinal galanin receptor, 116, 2076
- A novel P₂-purinoceptor expressed by a subpopulation of astrocytes from the dorsal spinal cord of the rat, 116, 2909
- Participation of NMDA and non-NMDA excitatory amino acid receptors in the mediation of spinal reflex potentials in rats: an in vivo study, 114, 1193
- Reduction of carrageenin oedema and the associated c-Fos expression in the rat lumbar spinal cord by nitric oxide synthase inhibitor, 114, 77
- The roles of spinal adenosine receptors in the control of acute and more persistent nociceptive responses of dorsal horn neurones in the anaesthetized rat, 116, 2221
- SMS 201-995-induced stimulation of gastric acid secretion via the

dorsal vagal complex and inhibition via the hypothalamus in anaesthetized rats, 116, 2303

- Spinal cord, rat, The contribution of NMDA receptor activation to spinal c-Fos expression in a model of inflammatory pain, 116, 1628
- Ketanserin-sensitive depressant actions of 5-HT receptor agonists in the neonatal rat spinal cord, 116, 2647
- Spiperone, Evidence for a functional α_{1A} -(α_{1C} -) adrenoceptor mediating contraction of the rat epididymal vas deferens and an α_{1B} -adrenoceptor mediating contraction of the rat spleen, 115, 467
- Mediation of noradrenaline-induced contractions of rat aorta by the α_{1B} -adrenoceptor subtype, 114, 745
- Noradrenaline contractions of human prostate mediated by α_{IA} (α_{IC} -)adrenoceptor subtype, 115, 781
- Spleen, rat, Evidence for a functional α_{1A} -(α_{1C} -)adrenoceptor mediating contraction of the rat epididymal vas deferens and an α_{1B} -adrenoceptor mediating contraction of the rat spleen, 115, 467
- The role of capacitative Ca²⁺ influx in the α_{1B}-adrenoceptor-mediated contraction to phenylephrine of the rat spleen, 116, 2327
- Splice variants, The interaction of trichloroethanol with murine recombinant 5-HT₃ receptors, 114, 1641
- SPM 3672, Specificity of different organic nitrates to elicit NO formation in rabbit vascular tissues and organs in vivo, 116, 2743
- SPM 5185, Specificity of different organic nitrates to elicit NO formation in rabbit vascular tissues and organs in vivo, 116, 2743
- Spontaneously hypertensive rats, Antihypertensive effect of an endothelin receptor antagonist in DOCA-salt spontaneously hypertensive rats. 115, 1377
- Dietary calcium and magnesium supplements in spontaneously hypertensive rats and isolated arterial reactivity, 115, 1455
- Endothelial function in spontaneously hypertensive rats: influence of quinapril treatment, 115, 859
- Influence of graded changes in vasomotor tone on the carotid arterial mechanics in live spontaneously hypertensive rats, 115, 1235
- Lack of a centrally-mediated antihypertensive effect following acute or chronic central treatment with AT₁-receptor antagonists in spontaneously hypertensive rats, 116, 3181
- Lack of involvement of bradykinin in the vascular sympathoinhibitory effects of angiotensin converting enzyme inhibitors in spontaneously hypertensive rats, 116, 2229
- The receptor occupation and plasma concentration of NKY-722, a water-soluble dihydropyridine-type calcium antagonist, in spontaneously hypertensive rats, 114, 217
- SR 33557, Inhibitory action of SR33557 on L-type calcium current in single ventricular myocytes of rat, 114, 468
- SR 33589, Interaction of the antiarrhythmic agents SR 33589 and amiodarone with the β -adrenoceptor and adenylate cyclase in rat heart, 116,
- SR 48692, Blockade of mast cell histamine secretion in response to neurotensin by SR 48692, a nonpeptide antagonist of the neurotensin brain receptor, 114, 1466
- Characterization of the effect of SR48692 on inositol monophosphate, cyclic GMP and cyclic AMP responses linked to neurotensin receptor activation in neuronal and non-neuronal cells, 116, 1899
- Promotion by SR 48692 of gastric emptying and defaecation in rats suggesting a role of endogenous neurotensin, 115, 383
- SR 48968, Prevention by the tachykinin NK₂ receptor antagonist, SR 48968, of antigen-induced airway hyperresponsiveness in sensitized guinea-pigs, 114, 259
- SR 57746A, Drug-induced defaecation in rats: role of central 5-HT_{1A} receptors, 115, 203
- SR 58611A, Inhibitory effects of SR 58611A on canine colonic motility: evidence for a role of β_3 -adrenoceptors, 114, 1447
- SR 141716A, Prevention by the cannabinoid antagonist, SR141716A, of cannabinoid-mediated blockade of long-term potentiation in the rat hippocampal slice, 115, 869
- Staphylococcus aureus α-toxin, All-or-none augmentation of Ca²⁺ sensitivity in α-toxin-permeabilized single smooth muscle cells from guinea-pig taenia caecum, 115, 522
- Staurosporine, Enhancing effect of staurosporine on NO production in rat peritoneal macrophages via a protein kinase C-independent mechanism, 116, 1711

- Mechanisms of angiotensin II chronotropic effect in anaesthetized dogs, 115, 795
- Necessity of protein kinase C activity for maintenance of acetylcholine receptor function at snake twitch fibre endplates, 114, 433
- Regulation of cytosolic calcium by collagen in single human platelets, 115, 101
- Requirement of a colchicine-sensitive component of the cytoskeleton for acetylcholine receptor recovery, 114, 442
- Steroids, Contribution of interleukin-1β to the inflammation-induced increase in nerve growth factor levels and inflammatory hyperalgesia, 115, 1265
- Effects of IZP-94005 (contignasterol) on antigen-induced bronchial responsiveness in ovalbumin-sensitized guinea-pigs, 115, 1433
- Pharmacological modulation of adrenal medullary GABA_A receptor: consistent with its subunit composition, 116, 1875
- Stimulus-response coupling, Extended concentration-response curves used to reflect full agonist efficacies and receptor occupancy-response coupling ranges, 115, 745
- Stomach, The use of receptor desensitization to analyse CCK_A and CCK_B/gastrin receptors coupled to contraction in guinea-pig stomach muscle, 114, 339
- Streptococcus, Group B, Group B Streptococcus and E. coli LPS-induced NO-dependent hyporesponsiveness to noradrenaline in isolated intrapulmonary arteries of neonatal piglets, 115, 261
- Streptozotocin, Accelerated desensitization of nicotinic receptor channels and its dependence on extracellular calcium in isolated skeletal muscles of streptozotocin-diabetic mice, 116, 1680
- Effect of diabetes and elevated glucose on nitric oxide-mediated neurotransmission in rat anococcygeus muscle, 115, 409
- Effect of diabetes on relaxations to non-adrenergic, non-cholinergic nerve stimulation in longitudinal muscle of the rat gastric fundus, 116, 1551
- Effects of endothelin receptor antagonism with bosentan on peripheral nerve function in experimental diabetes, 115, 373
- Potentiation by endothelin-1 of 5-hydroxytryptamine responses in aortae from streptozotocin-diabetic rats: a role for thromboxane A₂, 114, 1236
- Stress, chronic, Evidence for arginine vasopressin as the primary activator of the HPA axis during adjuvant-induced arthritis, 116, 2417
- Stretch-activated channels, Pharmacology of stretch-activated K channels in *Lymnaea* neurones, 114, 180
- Striatum, Differential effects of potassium channel blockers on extracellular concentrations of dopamine and 5-HT in the striatum of conscious rats, 116, 3260
- Electrophysiological actions of felbamate on rat striatal neurones, 116, 2053
- Further characterization of [³H]-CGS 21680 binding sites in the rat striatum and cortex, 114, 537
- 5-HT₃ receptor agonist induced carrier-mediated release of dopamine in rat striatum in vivo, 116, 1545
- Increased striatal dopamine efflux in vivo following inhibition of cerebral nitric oxide synthase by the novel monosodium salt of 7-nitro indazole, 114, 257
- Inhibition by dizocilpine (MK-801) of striatal dopamine release induced by MPTP and MPP⁺: possible action at the dopamine transporter, 114, 315
- The interaction of antidepressant drugs with central and peripheral (enteric) 5-HT₃ and 5-HT₄ receptors, 114, 1017
- Locomotor activation and dopamine release produced by nicotine and isoarecolone in rats. 116, 2097
- NMDA-induced glutamate and aspartate release from rat cortical pyramidal neurones: evidence for modulation by a 5-HT_{1A} antagonist, 115, 1169
- Striatum, rat, Effects of 3-O-methyl dopa on L-dopa-facilitated synthesis and efflux of dopamine from rat striatal slices, 116, 2637
- Stroke, The effect of chlormethiazole on neuronal damage in a model of transient focal ischaemia, 114, 1631
- Neuroprotective profile of lifarizine (RS-87476) in rat cerebrocortical neurones in culture, 114, 1365
- Subcellular fractions, Intraneuronal accumulation and persistence of radiolabel in rat brain following in vivo administration of [3H]-

- chlorisondamine, 116, 2503
- Suberyldicholine, Activation of nicotinic acetylcholine receptors expressed in quail fibroblasts: effects on intracellular calcium, 116, 2838
- Submaxillary gland, Functional evidence equating the pharmacologically-defined α_{1A} and cloned α_{1C} -adrenoceptor: studies in the isolated perfused kidney of rat, 115, 283
- Substance P, The anti-emetic effects of CP-99,994 in the ferret and the dog: role of the NK₁ receptor, 115, 84
- The broad-spectrum anti-emetic activity of the novel non-peptide tachykinin NK₁ receptor antagonist GR203040, 116, 3158
- Central versus peripheral site of action of the tachykinin NK₁antagonist RP 67580 in inhibiting chemonociception, 115, 486
- Effect of a 5-HT₁ receptor agonist, CP-122,288, on oedema formation induced by stimulation of the rat saphenous nerve, 115, 1
- Effects of the tachykinin NK₁ receptor antagonist, RP 67580, on central cardiovascular and behavioural effects of substance P, neurokinin A and neurokinin B, 114, 1310
- Endothelium-dependent contraction in intrapulmonary arteries mediation by endothelial NK₁ receptors and TXA₂, 115, 1215
- In situ hybridization studies of prostacyclin receptor mRNA expression in various mouse organs, 116, 2828
- Involvement of tachykinins in plasma extravasation induced by bradykinin and low pH medium in the guinea-pig conjuctiva, 115, 128
- Local cardiac effects of substance P: roles of acetylcholine and noradrenaline, 114, 283
- Mechanism of endothelium-dependent relaxation induced by substance
 P in the coronary artery of the pig, 116, 2040
- Modulation of excitatory amino acid responses by tachykinins and selective tachykinin receptor agonists in the rat spinal cord, 115, 1005
- Peripheral GABA_A receptor-mediated effects of sodium valproate on dural plasma protein extravasation to substance P and trigeminal stimulation, 116, 1661
- The pharmacology of GR203040, a novel, potent and selective nonpeptide tachykinin NK₁ receptor antagonist, 116, 3149
- Regulation by phosphodiesterase isoenzymes of non-adrenergic noncholinergic contraction in guinea-pig isolated main bronchus, 116, 2334
- Substance P-induced inflammatory responses in guinea-pig skin: The effect of specific NK₁ receptor antagonists and the role of endogenous mediators, 114, 1343
- Substance P-induced relaxation and hyperpolarization in human cerebral arteries, 115, 889
- Subtypes of tachykinin receptors on tonic and phasic neurones in coeliac ganglion of the guinea-pig, 115, 25
- Sulphonylureas, Direct demonstration of sulphonylurea-sensitive K_{ATP} channels on nerve terminals of the rat motor cortex, 115, 385
- Sulpiride, Behavioural interactions between 5-hydroxytryptophan, neuroleptic agents and 5-HT receptor antagonists in modifying rodent responding to aversive situations, 116, 2989
- [3H]-(-)-Sulpiride, Relationship between inhibition of cyclic AMP production in Chinese hamster ovary cells expressing the rat D₂₍₄₄₄₎ receptor and antagonist/agonist binding ratios, 115, 1307
- Sumatriptan, Canine renovascular responses to sumatriptan and 5-carboxamidotryptamine: modulation through endothelial 5-HT₁-like receptors by endogenous nitric oxide, 114, 969
- Effects of U46619 on contractions to 5-HT, sumatriptan and methysergide in canine coronary artery and saphenous vein in vitro, 116, 2183
- Pharmacological profile of the receptors that mediate external carotid vasoconstriction by 5-HT in vagosympathectomized dogs, 116, 2778
- Presence of vasoconstrictor 5-HT_I-like receptors revealed by precontraction of rabbit isolated mesenteric artery, 114, 309
- Sumatriptan-induced saphenous venoconstriction in the anaesthetized dog through 5-HT₁-like receptor activation, 116, 2207
- The in vivo pharmacological profile of a 5-HT₁ receptor agonist, CP-122,288, a selective inhibitor of neurogenic inflammation, 116, 2385
- Sumatriptan analogues, Suppression by the sumatriptan analogue, CP-122,288 of c-fos immunoreactivity in trigeminal nucleus caudalis induced by intracisternal capsaicin, 114, 987
- Suncus murinus, Blockade of motion- and cisplatin-induced emesis by a 5-HT₂ receptor agonist in Suncus murinus, 114, 931

Superoxide, Acute pro-inflammatory actions of endothelin-1 in the guinea-pig lung: involvement of ET_A and ET_B receptors, 115, 227

- Modulation of calcium channel currents by arachidonic acid in single smooth muscle cells from vas deferens of the guinea-pig, 116, 1887
- Suppression of eosinophil function by RP 73401, a potent and selective inhibitor of cyclic AMP-specific phosphodiesterase: comparison with rolipram, 115, 39
- Superoxide anions, Characterization of the PGE receptor subtype mediating inhibition of superoxide production in human neutrophils, 114, 1459
- Differential sensitivity of basal and acetylcholine-stimulated activity of nitric oxide to destruction by superoxide anion in rat aorta, 115, 993
- Enhancing and inhibitory effects of nitric oxide on superoxide anion generation in human polymorphonuclear leukocytes, 115, 1302
- Inhibition of relaxations to nitrergic stimulation of the mouse anococcygeus by duroquinone, 116, 3231
- Regional involvement of an endothelium-derived contractile factor in the vasoactive actions of neuropeptide Y in bovine isolated retinal arteries. 116, 2729
- Superoxide dismutase, Differential sensitivity of basal and acetylcholinestimulated activity of nitric oxide to destruction by superoxide anion in rat aorta, 115, 993
- Inhibition of relaxations to nitrergic stimulation of the mouse anococcygeus by duroquinone, 116, 3231
- Involvement of superoxide and xanthine oxidase in neutrophilindependent rat gastric damage induced by NO donors, 116, 1843

Suramin, Autoradiography of P_{2X} ATP receptors in the rat brain, 115, 302

- Contribution of P₂-purinoceptors to neurogenic contraction of rat urinary bladder smooth muscle, 115, 636
- Effect of P₂-purinoceptor antagonists on glutamatergic transmission in the rat hippocampus, 115, 1276
- Effects of suramin on contractions of the guinea-pig vas deferens induced by analogues of adenosine 5'-triphosphate, 114, 1125
- Evidence for the presence of both pre- and postjunctional P₂-purinoceptor subtypes in human isolated urinary bladder, 114, 35
- Failure of the putative neuropeptide Y antagonists, benextramine and PYX-2, to inhibit Y₂ receptors in rat isolated prostatic vas deferens, 116, 2401
- 5-Hydroxytryptamine receptors that facilitate excitatory neuromuscular transmission in the guinea-pig isolated detrusor muscle, 115, 677
- A novel P₂-purinoceptor expressed by a subpopulation of astrocytes from the dorsal spinal cord of the rat, 116, 2909
- P₂-purinoceptor-mediated inhibition of noradrenaline release in rat atria, 115, 247
- Suppression of VEGF-induced angiogenesis by the protein tyrosine kinase inhibitor, lavendustin A, 114, 262
- Vasoconstrictor responses to the P_{2X}-purinoceptor agonist β,γ-methylene-L-ATP in human cutaneous and renal blood vessels, 116, 1932
- Surfactant protein C (SP-C), Dose-response comparisons of five lung surfactant factor (LSF) preparations in an animal model of adult respiratory distress syndrome (ARDS), 115, 451
- Sympathetic nerves, Calcium channel subtypes for the sympathetic and parasympathetic nerves of guinea-pig atria, 116, 1577
- Cross talk between receptors mediating contraction and relaxation in the arterioles but not the dilator muscle of the rat iris, 115, 828
- Effect of chronic morphine treatment on transmitter release from sympathetic varicosities of the mouse vas deferens, 116, 2860
- Effect of morphine on the nerve terminal impulse and transmitter release from sympathetic varicosities innervating the mouse vas deferens, 116, 2852
- Effects of chronic vitamin E deficiency on vascular function a study of sympathetic nerves, smooth muscle and endothelium of the mesenteric arterial bed of the rat, 116, 2983
- Evidence that activation of 5-HT₂ receptors in the forebrain of anaesthetized cats causes sympathoexcitation, 116, 1751
- Inhibition of sympathetic vasoconstriction in pigs in vivo by the neuropeptide Y-Y₁ receptor antagonist BIBP 3226, 116, 2971
- Noradrenaline-induced relaxation of rat oesophageal muscularis mucosae: mediation solely by innervated β₃-adrenoceptors, 116, 1945
- Sympathetic nerve terminals, Electrical activity in rat tail artery during

asynchronous activation of postganglionic nerve terminals by ciguatoxin-1, 116, 2213

- Sympathetic nervous system, α_{2C} -Adrenoceptor-modulated release of noradrenaline in human right atrium, 116, 2617
- Lack of involvement of bradykinin in the vascular sympathoinhibitory effects of angiotensin converting enzyme inhibitors in spontaneously hypertensive rats, 116, 2229
- The role of the peripheral sympathetic nervous system in the natriuresis following central administration of an I₁ imidazoline agonist, moxonidine, 116, 2631
- Sympathetic neurones, Inhibition by wortmannin of M-current in bullfrog sympathetic neurones, 114, 489
- Potent block of potassium currents in rat isolated sympathetic neurones by the uncharged form of amitriptyline and related tricyclic compounds, 116, 2191
- Rapid, agonist-induced desensitization of α₂-autoreceptors modulating transmitter release, 114, 1143
- UTP- and ATP-triggered transmitter release from rat sympathetic neurones via separate receptors. 116, 2341
- Sympathetic neurotransmission, Effect of morphine on the nerve terminal impulse and transmitter release from sympathetic varicosities innervating the mouse vas deferens, 116, 2852
- Enhanced sympathetic neurotransmission in the tail artery of 1,3-dipropyl-8-sulphophenylxanthine (DPSPX)-treated rats, 116, 1918
- Heterogeneity of neurogenic responses in intra- and extrameningeal arteries of dogs, 116, 2557
- Sympathetic outflow, Characterization of prejunctional 5-HT receptors mediating inhibition of sympathetic vasopressor responses in the pithed rat. 116, 3330
- Sympathetic stimulation, The effect of endotoxin on sympathetic responses in the rat isolated perfused mesenteric bed; involvement of nitric oxide and cyclo-oxygenase products, 116, 3316
- Sympathetic transmission, Evidence for the involvement of different receptor subtypes in the pre- and postjunctional actions of angiotensin II at rat sympathetic neuroeffector sites, 114, 1057
- Modulation by nicotinamide adenine dinucleotide of sympathetic and sensory-motor neurotransmission via P₁-purinoceptors in the rat mesenteric arterial bed, 114, 1541
- Synaptic membranes, Characterization of the pharmacology and regional distribution of (S)-[³H]-5-fluorowillardiine binding in rat brain, 116, 2033
- Synaptic modulation, Inhibition by riluzole of glycinergic postsynaptic currents in rat hypoglossal motoneurones, 116, 3227
- Synaptic plasticity, Subcellular localization and molecular pharmacology of distinct populations of [³H]-AMPA binding sites in rat hippocampus, 115, 295
- Synaptic potentials, Electrophysiological actions of felbamate on rat striatal neurones, 116, 2053
- Synaptosomes, Characterization of histamine H₃ receptors regulating acetylcholine release in rat entorhinal cortex, 114, 1518
- Contrasting effects of the imidazol(in)e α₂-adrenoceptor agonists, medetomidine, clonidine and UK 14,304 on extraneuronal levels of noradrenaline in the rat frontal cortex: evaluation using in vivo microdialysis and synaptosomal uptake studies, 114, 1717
- A novel receptor for diadenosine polyphosphates coupled to calcium increase in rat midbrain synaptosomes, 115, 895

T

- TA-0910, Anti-ataxic effects of TRH and its analogue, TA-0910, in Rolling mouse Nagoya by metabolic normalization of the ventral tegmental area, 116, 3274
- Tachycardia, Labelling with [125]-SB 207710 of a small 5-HT₄ receptor population in piglet right atrium: functional relevance, 115, 933
- RS 39604: a potent, selective and orally active 5-HT₄ receptor antagonist, 115, 1087
- Tachykinins, Activation of the micturition reflex by NK₂ receptor stimulation in the anaesthetized guinea-pig, 115, 875
- Central versus peripheral site of action of the tachykinin NK₁antagonist RP 67580 in inhibiting chemonociception, 115, 486
- Delayed-type hypersensitivity-induced increase in vascular permeabil-

- ity in the mouse small intestine: inhibition by depletion of sensory neuropeptides and NK₁ receptor blockade, 114, 1483
- Demonstration of a 'septide-sensitive' inflammatory response in rat skin, 116, 2170
- Effects of the tachykinin NK₁ receptor antagonist, RP 67580, on central cardiovascular and behavioural effects of substance P, neurokinin A and neurokinin B, 114, 1310
- Evidence that tachykinin NK₁ and NK₂ receptors mediate non-adrenergic non-cholinergic excitation and contraction in the circular muscle of guinea-pig duodenum, 115, 237
- Functional interaction between losartan and central tachykinin NK₃ receptors in the conscious rat, 114, 1563
- Modulation of excitatory amino acid responses by tachykinins and selective tachykinin receptor agonists in the rat spinal cord, 115, 1005
- Nitric oxide is a mediator of tachykinin NK₃ receptor-induced relaxation in rat mesenteric artery, 116, 2919
- Pharmacological analysis of the local and reflex responses to bradykinin on rat urinary bladder motility in vivo, 114, 708
- Potentiation by viral respiratory infection of ovalbumin-induced guinea-pig tracheal hyperresponsiveness: role for tachykinins, 115, 1048
- Tachykinin receptors, The broad-spectrum anti-emetic activity of the novel non-peptide tachykinin NK₁ receptor antagonist GR203040, 116, 3158
- Characterization of receptors for kinins and neurokinins in the arterial and venous mesenteric vasculatures of the guinea-pig, 115, 1319
- Evidence that tachykinin NK₁ and NK₂ receptors mediate non-adrenergic non-cholinergic excitation and contraction in the circular muscle of guinea-pig duodenum, 115, 237
- Functional interaction between losartan and central tachykinin NK₃ receptors in the conscious rat, 114, 1563
- Involvement of tachykinins in plasma extravasation induced by bradykinin and low pH medium in the guinea-pig conjuctiva, 115, 128
- The kinin B₁ receptor antagonist des-Arg⁹-[Leu⁸]bradykinin: an antagonist of the angiotensin AT₁ receptor which also binds to the AT₂ receptor. 114, 115
- Prevention by the tachykinin NK₂ receptor antagonist, SR 48968, of antigen-induced airway hyperresponsiveness in sensitized guinea-pigs, 114, 259
- Subtypes of tachykinin receptors on tonic and phasic neurones in coeliac ganglion of the guinea-pig, 115, 25
- Tachykinin receptor agonists, Comparative behavioural profile of centrally administered tachykinin NK₁, NK₂ and NK₃ receptor agonists in the guinea-pig, 116, 2496
- Tachykinin receptor antagonists, Effects of the tachykinin NK_1 receptor antagonist, RP 67580, on central cardiovascular and behavioural effects of substance P, neurokinin A and neurokinin B, 114, 1310
- Endogenous modulation of excitatory amino acid responsiveness by tachykinin NK₁ and NK₂ receptors in the rat spinal cord, 115, 1013
- Tachykinin NK₁ receptors, Antinociceptive activity of the tachykinin NK₁ receptor antagonist, CP-99,994, in conscious gerbils, 116, 1937
- Tachykinin NK₁ receptor antagonists, Antinociceptive activity of the tachykinin NK₁ receptor antagonist, CP-99,994, in conscious gerbils, 116, 1937
- Taenia caeci, All-or-none augmentation of Ca^{2+} sensitivity in α -toxin-permeabilized single smooth muscle cells from guinea-pig taenia caecum, 115, 522
- Nitric oxide, an enteric nonadrenergic-noncholinergic relaxant transmitter: evidence using phosphodiesterase V and nitric oxide synthase inhibition, 116, 1789
- Pharmacological analysis of the interaction between purinoceptor agonists and antagonists in the guinea-pig taenia caecum, 115, 549
- Taenia coli, guinea-pig, Inhibitory action of PPADS on relaxant responses to adenine nucleotides or electrical field stimulation in guinea-pig taenia coli and rat duodenum, 115, 1509
- TAK-044, Pharmacology of a non-selective ET_A and ET_B receptor antagonist, TAK-044 and the inhibition of myocardial infarct size in rats, 114, 949
- Tamoxifen, Lens opacification by antioestrogens: tamoxifen vs ICI 182,780, 115, 1347
- TBPS, Enhancement by GABA of the association rate of picrotoxin and

- tert-butylbicyclophosphorothionate to the rat cloned α1β2γ2 GABA_A receptor subtype, 115, 539
- Tegmentum, Hyperpolarization by GABA_B receptor agonists in mid-brain periaqueductal gray neurones *in vitro*, 116, 1583
- TEI-6122, The effect of a synthetic 7-thiaprostaglandin E₁ derivative, TEI-6122, on monocyte chemoattractant protein-1 induced chemotaxis in THP-1 cells, 116, 2298
- Terazosin, Mediation of noradrenaline-induced contractions of rat aorta by the α_{1B} -adrenoceptor subtype, 114, 745
- Terbutaline, The involvement of ATP-sensitive potassium channels in β-adrenoceptor-mediated vasorelaxation in the rat isolated mesenteric arterial bed, 115, 607
- Terfenadine, Histamine H₁ receptor occupancy in human brains after single oral doses of histamine H₁ antagonists measured by positron emission tomography, 116, 1649
- Mechanism of block of a human cardiac potassium channel by terfenadine racemate and enantiomers, 115, 267
- Tert-butylhydroperoxide, Influence of nitric oxide synthase inhibition, nitric oxide and hydroperoxide on insulin release induced by various secretagogues, 114, 289
- Tetraethylammonium, Caffeine-evoked, calcium sensitive membrane currents in rabbit aortic endothelial cells, 115, 133
- Pharmacology of stretch-activated K channels in Lymnaea neurones, 114, 180
- Relaxant actions of isoprenaline on guinea-pig isolated tracheal smooth muscle. 116, 2738
- Subgroups among μ-opioid receptor agonists distinguished by ATPsensitive K⁺ channel-acting drugs, 114, 1296
- Tetragastrin, The use of receptor desensitization to analyse CCK_A and CCK_B/gastrin receptors coupled to contraction in guinea-pig stomach muscle, 114, 339
- **Tetrahydrobiopterin**, Inhibition by *N*-acetyl-5-hydroxytryptamine of nitric oxide synthase expression in cultured cells and in the anaesthetized rat, **115**, 1175
- Tetrodotoxin, Inhibition of rat colon contractility by prostacyclin (IP-) receptor agonists: involvement of NANC neurotransmission, 115, 163
- Thapsigargin, Ca²⁺ increase and Ca²⁺-influx in human tracheal smooth muscle cells: role of Ca²⁺ pools controlled by sarco-endoplasmic reticulum Ca²⁺-ATPase 2 isoform, 115, 1204
- Calcium homeostasis in mouse fibroblast cells: affected by U-73122, a putative phospholipase C_β blocker, via multiple mechanisms, 115, 11
- Different effects of endothelin-3 on the Ca²⁺ discharge induced by agonists and Ca²⁺-ATPase inhibitors in human platelets, 114, 524
- Enhancement by cyclo-oxygenase inhibitors of platelet-activating factor production in thapsigargin-stimulated macrophages, 116, 2141
- A novel P₂-purinoceptor expressed by a subpopulation of astrocytes from the dorsal spinal cord of the rat, 116, 2909
- Thapsigargin- and cyclopiazonic acid-induced endothelium-dependent hyperpolarization in rat mesenteric artery, 115, 987
- Theophylline, The roles of spinal adenosine receptors in the control of acute and more persistent nociceptive responses of dorsal horn neurones in the anaesthetized rat, 116, 2221
- Thermoregulation, The role of α_2 -adrenoceptors in the vasculature of the rat tail, 114, 1724
- L-Thiocitrulline, Characterization of the effects of two new arginine/citrulline analogues on constitutive and inducible nitric oxide synthases in rat aorta, 115, 491
- Thioperamide, Evaluation of the receptor selectivity of the H₃ receptor antagonists, iodophenpropit and thioperamide: an interaction with the 5-HT₃ receptor revealed, 116, 2315
- Thioridazine, Behavioural interactions between 5-hydroxytryptophan, neuroleptic agents and 5-HT receptor antagonists in modifying rodent responding to aversive situations, 116, 2989
- Thiorphan, Effect of endopeptidase-24.11 inhibitors and C-ANP receptor ligand on responses evoked in arterioles of rat cremaster muscle by atrial natriuretic peptide, 116, 3117
- Thrombin, Antithrombotic effect of a novel recombinant hirudin analogue, CX-397, in a rat arterial thrombosis model, 116, 3056
- Mode of action of thrombin in the rabbit aorta, 115, 903
- Vascular actions of thrombin receptor-derived polypeptides: structureactivity profiles for contractile and relaxant effects in rat aorta, 114,

1680

Thrombin cleavable receptors, Mode of action of thrombin in the rabbit aorta, 115, 903

- Thrombin inhibitors, Antithrombotic effect of a novel recombinant hirudin analogue, CX-397, in a rat arterial thrombosis model, 116, 3056
- Thrombin receptors, Contractile actions of thrombin receptor-derived polypeptides in human umbilical and placental vasculature: evidence for distinct receptor systems, 115, 569
- Vascular actions of thrombin receptor-derived polypeptides: structureactivity profiles for contractile and relaxant effects in rat aorta, 114, 1680
- Thrombin receptor-derived peptides, Vascular actions of thrombin receptor-derived polypeptides: structure-activity profiles for contractile and relaxant effects in rat aorta, 114, 1680
- Thrombosis, arterial, Antithrombotic effect of a novel recombinant hirudin analogue, CX-397, in a rat arterial thrombosis model, 116, 3056
- Thromboxane, On the inhibition of prostanoid formation by SK&F 96365, a blocker of receptor-operated calcium entry, 114, 598
- Thromboxane A₂, Activation of rabbit platelets by Ca²⁺ influx and thromboxane A₂ release in an external Ca²⁺-dependent manner by zooxanthellatoxin-A, a novel polyol, 115, 433
- Antithrombotic effect of a novel recombinant hirudin analogue, CX-397, in a rat arterial thrombosis model, 116, 3056
- Endothelium-dependent contraction in intrapulmonary arteries: mediation by endothelial NK₁ receptors and TXA₂, 115, 1215
- Intrinsic activity of the non-prostanoid thromboxane A₂ receptor antagonist, daltroban (BM 13,505), in human platelets in vitro and in the rat vasculature in vivo, 115, 210
- Potentiation by endothelin-1 of 5-hydroxytryptamine responses in aortae from streptozotocin-diabetic rats: a role for thromboxane A₂, 114, 1236
- Regional involvement of an endothelium-derived contractile factor in the vasoactive actions of neuropeptide Y in bovine isolated retinal arteries, 116, 2729
- Thromboxane A₂ receptors, Characterization of the thromboxane (TP-) receptor subtype involved in proliferation in cultured vascular smooth muscle cells of rat, 116, 1801
- Intrinsic activity of the non-prostanoid thromboxane A₂ receptor antagonist, daltroban (BM 13,505), in human platelets in vitro and in the rat vasculature in vivo, 115, 210
- Thyroid hormones, Interaction of the antiarrhythmic agents SR 33589 and amiodarone with the β -adrenoceptor and adenylate cyclase in rat heart, 116, 1949
- Thyrotropin-releasing hormone (TRH), Anti-ataxic effects of TRH and its analogue, TA-0910, in Rolling mouse Nagoya by metabolic normalization of the ventral tegmental area, 116, 3274
- Tirilazad, Neuroprotective properties of lifarizine compared with those of other agents in a mouse model of focal cerebral ischaemia, 115, 1425
- α-Tocopherol, Prevention by α-tocopherol and rutin of glutathione and ATP depletion induced by oxidized LDL in cultured endothelial cells, 116, 1985
- Tolerance, Characterization of acute homologous desensitization of μ opioid receptor-induced currents in locus coeruleus neurones, 115, 925
- Effect of chronic morphine treatment on transmitter release from sympathetic varicosities of the mouse vas deferens, 116, 2860
- Production of antinociception by peripheral administration of [Lys⁷]dermorphin, a naturally occurring peptide with high affinity for μopioid receptors, 114, 57
- Torsades de pointes, Mechanism of block of a human cardiac potassium channel by terfenadine racemate and enantiomers. 115, 267
- Trachea, Different effects of salmeterol, formoterol and salbutamol on cholinergic responses in the ferret trachea, 114, 1478
- Effects of WIN 64338, a nonpeptide bradykinin B₂ receptor antagonist, on guinea-pig trachea, 115, 1127
- Evidence that activation of 5-HT₂ receptors in the forebrain of anaesthetized cats causes sympathoexcitation, 116, 1751
- Further analysis of the mechanisms underlying the tracheal relaxant action of SCA40, 114, 143
- Mucosa-dependent muscarinic liberation of prostaglandins from rat isolated trachea, 116, 1991
- Pharmacological evidence for a single bradykinin B2 receptor in the

- guinea-pig, 116, 2106
- Potentiation by endothelin-1 of cholinergic nerve-mediated contractions in mouse trachea via activation of ET_p receptors. 114, 563
- Relaxant actions of isoprenaline on guinea-pig isolated tracheal smooth muscle, 116, 2738
- Trachea, bovine, A comparison of the effects of SCA40, NS 004 and NS 1619 on large conductance Ca²⁺-activated K⁺ channels in bovine tracheal smooth muscle cells in culture, 116, 1656
- Effects of BRL55834 in rat portal vein and bovine trachea: evidence for the induction of a glibenclamide-resistant, ATP-sensitive potassium current, 115, 1027
- Trachea, canine, Pharmacological characterization of bradykinin receptors in canine cultured tracheal smooth muscle cells, 114, 67
- Trachea, guinea-pig, Dysfunction of muscarinic M₂ receptors after the early allergic reaction: possible contribution to bronchial hyperresponsiveness in allergic guinea-pigs, 114, 881
- GABA-mediated inhibition of the anaphylactic response in the guineapig trachea, 115, 389
- Involvement of B₂ receptors in the bradykinin-induced relaxation of guinea-pig isolated trachea, 114, 103
- Trachea, human, Potentiation by tumour necrosis factor-α of calcium signals induced by bradykinin and carbachol in human tracheal smooth muscle cells. 114. 4
- Trachea, rat, The effects of formoterol on plasma exudation produced by a localized acute inflammatory response to bradykinin in the tracheal mucosa of rats in vivo, 116, 1571
- Tracheal hyperresponsiveness, Potentiation by viral respiratory infection of ovalbumin-induced guinea-pig tracheal hyperresponsiveness: role for tachykinins, 115, 1048
- Tracheal responsiveness, Endogenous nitric oxide modulation of potassium-induced changes in guinea-pig airway tone, 115, 1194
- Transforming growth factor- β_1 , Enhancement of the haemodynamic effects of N^G -monomethyl-L-arginine by transforming growth factor- β_1 in conscious, normal, but not endotoxaemic, rats, 116, 3042
- Prostaglandin E₂ requirement for transforming growth factor β₁ inhibition of elicited macrophage 14 kDa phospholipase A₂ release, 116, 2575
- Transgenic rats, Haemodynamic effects of losartan and the endothelin antagonist, SB 209670, in conscious, transgenic ((mRen-2)27), hypertensive rats, 116, 2237
- Transmitter release, Inhibition by halothane of potassium-stimulated acetylcholine release from rat cortical slices, 116, 2310
- Intraneuronal accumulation and persistence of radiolabel in rat brain following in vivo administration of [³H]-chlorisondamine, 116, 2503
- Role of nitric oxide (NO) in ocular inflammation, 116, 2447
- Transplacental transfer, Comparison of the transplacental transfer of enalapril, captopril and losartan in sheep, 114, 1495
- Transplantation, 5-HT₂-mediated bronchial responses after syngeneic lung transplantation in the rat, 114, 1428
- Transport, proton-coupled, Angiotensin-converting enzyme (ACE) inhibitor transport in human intestinal epithelial (Caco-2) cells, 114, 981
- Trichloroethanol, The interaction of trichloroethanol with murine recombinant 5-HT₃ receptors, 114, 1641
- 1-(2-Trifluoromethylphenyl)imidazole, The antinociceptive effect of 1-(2-trifluoromethylphenyl) imidazole (TRIM), a potent inhibitor of neuronal nitric oxide synthase in vitro, in the mouse, 116, 2349
- Trigeminal nerve, Inhibition of bradykinin-evoked trigeminal nerve stimulation by the non-peptide bradykinin B₂ receptor antagonist WIN 64338 in vivo and in vitro, 116, 3164
- Trigeminal nucleus, Attenuation by valproate of c-fos immunoreactivity in trigeminal nucleus caudalis induced by intracisternal capsaicin, 116, 3199
- Trilinolein, Effect of trilinolein on cyclic nucleotide formation in human platelets: relationship with its antiplatelet effect and nitric oxide synthesis, 116, 1644
- Tripitramine, In vitro characterization of tripitramine, a polymethylene tetraamine displaying high selectivity and affinity for muscarinic M₂ receptors, 114, 1507
- Tryptamine analogues, Vascular 5-HT₁-like receptors mediating vasoconstriction and vasodilatation: their characterization and distribution

- in the intact canine cardiovascular system, 114, 961
- Tubocurarine, The effects of temperature on the interactions between volatile general anaesthetics and a neuronal nicotinic acetylcholine receptor, 116, 2949
- Tumour growth, Inhibition of angiogenesis, tumour growth and metastasis by the NO-releasing vasodilators, isosorbide mononitrate and dinitrate, 116, 1829
- Tumour necrosis factor α (TNF- α), The contribution of tumour necrosis factor- α and endothelin-1 to the increase of coronary resistance in hearts from rats treated with endotoxin, 116, 3309
- Cytokine-mediated induction of cyclo-oxygenase-2 by activation of tyrosine kinase in bovine endothelial cells stimulated by bacterial lipopolysaccharide, 115, 401
- Cytokine-mediated inflammatory hyperalgesia limited by interleukin-10, 115, 684
- Effects of macrophage depletion on the induction of histidine decarboxylase by lipopolysaccharide, interleukin 1 and tumour necrosis factor, 114, 187
- Enhancing effect of staurosporine on NO production in rat peritoneal macrophages via a protein kinase C-independent mechanism, 116, 1711
- Improved survival and reversal of endothelial dysfunction by the 21aminosteroid, U-74389G in splanchnic ischaemia-reperfusion injury in the rat, 115, 395
- Induction of L-arginine transport and nitric oxide synthase in vascular smooth muscle cells: synergistic actions of pro-inflammatory cytokines and bacterial lipopolysaccharide, 116, 3243
- Platelet-activating factor: the effector of protein-rich plasma extravasation and nitric oxide synthase induction in rat immune complex peritonitis, 114, 895
- Potentiation by tumour necrosis factor-α of calcium signals induced by bradykinin and carbachol in human tracheal smooth muscle cells, 114,
- The role of nitric oxide in cardiac depression induced by interleukin-1β and tumour necrosis factor-α, 114, 27
- Tumour necrosis factor antibodies, Lack of effect of TNF antibodies on the cardiovascular sequelae of lipopolysaccharide infusion in conscious rats, 116, 2487
- Tyrosine hydroxylase, Protein kinase A and nicotinic activation of bovine adrenal tyrosine hydroxylase. 114, 1687
- Tyrosine kinases, Cytokine-mediated induction of cyclo-oxygenase-2 by activation of tyrosine kinase in bovine endothelial cells stimulated by bacterial lipopolysaccharide. 115, 401
- Effect of platelet-derived growth factor on voltage-operated calcium channels in rabbit isolated ear artery cells, 115, 534
- Evidence for requirement of tyrosine phosphorylation in endothelial P_{2Y}- and P_{2U}-purinoceptor stimulation of prostacyclin release, 116, 2563
- Increase in tone and intracellular Ca²⁺ in rabbit isolated ear artery by platelet-derived growth factor, 114, 138
- Protein kinase C and tyrosine kinase pathways regulate lipopolysaccharide-induced nitric oxide synthase activity in RAW 264.7 murine macrophages, 114, 482
- Regulation of cytosolic calcium by collagen in single human platelets,
- The role of capacitative Ca²⁺ influx in the α_{1B}-adrenoceptor-mediated contraction to phenylephrine of the rat spleen, 116, 2327
- Tyrosine kinase inhibitors, Effects of tyrosine kinase inhibitors on the contractility of rat mesenteric resistance arteries, 114, 1266
- Multiple effects and stimulation of insulin secretion by the tyrosine kinase inhibitor genistein in normal mouse islets, 114, 872
- Tyrphostin, Effect of platelet-derived growth factor on voltage-operated calcium channels in rabbit isolated ear artery cells, 115, 534
- Effects of tyrosine kinase inhibitors on the contractility of rat mesenteric resistance arteries, 114, 1266
- Regulation of cytosolic calcium by collagen in single human platelets,
 115. 101

U

U373 MG astrocytoma cells, Characteristics of the binding of [³H]-mepyramine to intact human U373 MG astrocytoma cells: evidence for

- histamine-induced H₁-receptor internalisation, 116, 2715
- U46619, Effects of portal hypertension on responsiveness of rat mesenteric artery and aorta, 114, 791
- Effects of U46619 on contractions to 5-HT, sumatriptan and methysergide in canine coronary artery and saphenous vein in vitro, 116, 2183
- U73122, Calcium homeostasis in mouse fibroblast cells: affected by U-73122, a putative phospholipase C_{β} blocker, via multiple mechanisms, 115, 11
- U74389G, Improved survival and reversal of endothelial dysfunction by the 21-aminosteroid, U-74389G in splanchnic ischaemia-reperfusion injury in the rat, 115, 395
- U97775, Characterization of U-97775 as a GABA_A receptor ligand of dual functionality in cloned rat GABA_A receptor subtypes, 115, 19
- UK 14304, Changes in [3 H]-UK14304 binding to α_2 -adrenoceptors in morphine-dependent guinea-pigs, 116, 3125
- Contrasting effects of the imidazol(in)e α₂-adrenoceptor agonists, medetomidine, clonidine and UK 14,304 on extraneuronal levels of noradrenaline in the rat frontal cortex: evaluation using *in vivo* microdialysis and synaptosomal uptake studies, 114, 1717
- UK 74505, Substance P-induced inflammatory responses in guinea-pig skin: The effect of specific NK₁ receptor antagonists and the role of endogenous mediators, 114, 1343
- UK 84149, Effect of UK-84149 on voltage-activated calcium currents of single smooth muscle cells from guinea-pig and rabbit jejunum and rabbit coronary artery, 114, 1657
- Ulcerative colitis, Inducible nitric oxide synthase activity and expression in a human colonic epithelial cell line, HT-29, 116, 2866
- Ultraviolet radiation, Release by ultraviolet B (u.v.B) radiation of nitric oxide (NO) from human keratinocytes: a potential role for nitric oxide in erythema production, 114, 1257
- Uniblue A, Discrimination between UTP- and P₂-purinoceptor-mediated depolarization of rat superior cervical ganglia by 4,4'-disothio-cyanatostilbene-2,2'-disulphonate (DIDS) and uniblue A, 115, 427
- Uraemia, Effect of methylguanidine on rat blood pressure: role of endothelial nitric oxide synthase, 115, 510
- Ureter, guinea-pig, Effect of the Ca²⁺-ATPase inhibitor, cyclopiazonic acid, on electromechanical coupling in the guinea-pig ureter, 114, 127
- Modulation by stereoselective inhibition of cyclo-oxygenase of electromechanical coupling in the guinea-pig isolated renal pelvis, 114, 1149
- Urethra, Factors involved in the relaxation of female pig urethra evoked by electrical field stimulation, 116, 1599
- Urethra, dog, Nitric oxide synthase in dog urethra: a histochemical and pharmacological analysis, 116, 2517
- Urethra, rabbit, NANC neurotransmission in lamina propria of the rabbit urethra: regulation by different subsets of calcium channels, 115, 1020
- Uridine diphosphate, Activation by intracellular GDP, metabolic inhibition and pinacidil of a glibenclamide-sensitive K-channel in smooth muscle cells of rat mesenteric artery, 114, 662
- Urinary bladder, Inhibitory actions of GABA on rabbit urinary bladder muscle strips: mediation by potassium channels, 115, 81
- Prejunctional facilitatory α_1 -adrenoceptors in the rat urinary bladder, 114, 1710
- Urinary bladder, rat, The biphasic response of rat vesical smooth muscle to ATP, 114, 1557
- Urodilatin, Bronchodilator and pre-protective effects of urodilatin in bovine bronchi *in vitro*: comparison with atrial natriuretic peptide, 114, 1301
- Use-dependent block, Electrophysiological effects of Ro 22-9194, a new antiarrhythmic agent, on guinea-pig ventricular cells, 114, 19
- Uterus, Cellular localization of the inhibitory action of relaxin against uterine spasm, 116, 3028
- UTP, Activation by ATP of a P_{2U} 'nucleotide' receptor in an exocrine cell, 115, 321
- Characteristics of nucleotide receptors that cause elevation of cytoplasmic calcium in immortalized rat brain endothelial cells (RBE4) and in primary cultures, 115, 1245
- Differentiation by pyridoxal 5-phosphate, PPADS and IsoPPADS between responses mediated by UTP and those evoked by α,β-methylene-ATP on rat sympathetic ganglia, 114, 727

Discrimination between UTP- and P₂-purinoceptor-mediated depolarization of rat superior cervical ganglia by 4,4'-diisothiocyanatostilbene-2,2'-disulphonate (DIDS) and uniblue A, 115, 427

- Inhibition by Zn²⁺ of uridine 5'-triphosphate-induced Ca²⁺-influx but not Ca²⁺-mobilization in rat phaeochromocytoma cells, 115, 1502
- A novel P₂-purinoceptor expressed by a subpopulation of astrocytes from the dorsal spinal cord of the rat, 116, 2909
- Regulation of histamine- and UTP-induced increases in $Ins(1,4,5)P_3$, $Ins(1,3,4,5)P_4$ and Ca^{2+} by cyclic AMP in DDT₁ MF-2 cells, 114, 383
- Regulation of transepithelial ion transport by two different purinoceptors in the apical membrane of canine kidney (MDCK) cells, 114, 1052
- Structure-activity relationship of a pyrimidine receptor in the rat isolated superior cervical ganglion, 116, 2764
- UTP- and ATP-triggered transmitter release from rat sympathetic neurones via separate receptors, 116, 2341

V

- Vagal afferent nerves, Functional dopamine D₂ receptors on rat vagal afferent neurones, 114, 1329
- Vagal stimulation, The anti-emetic effects of CP-99,994 in the ferret and the dog: role of the NK₁ receptor, 115, 84
- Vagotomy, SMS 201-995-induced stimulation of gastric acid secretion via the dorsal vagal complex and inhibition via the hypothalamus in anaesthetized rats, 116, 2303
- Vagus, SMS 201-995-induced stimulation of gastric acid secretion via the dorsal vagal complex and inhibition via the hypothalamus in anaesthetized rats, 116, 2303
- Vagus nerve, Contribution of a cholinergic reflex mechanism to allergeninduced bronchial hyperreactivity in permanently instrumented, unrestrained guinea-pigs, 114, 414
- Vagus nerve, isolated, The enantiomers of zacopride: an intra-species comparison of their potencies in functional and anxiolytic models, 115, 775
- Valproate, Attenuation by valproate of c-fos immunoreactivity in trigeminal nucleus caudalis induced by intracisternal capsaicin, 116, 3199
- Peripheral GABA_A receptor-mediated effects of sodium valproate on dural plasma protein extravasation to substance P and trigeminal stimulation, 116, 1661
- Vas deferens, A comparison of the effects of exogenous and endogenous prostaglandins on fast and slow contractions of field-stimulated guineapig vas deferens, 116, 2679
- Discrimination by benextramine between the NPY-Y₁ receptor subtypes present in rabbit isolated vas deferens and saphenous vein, 115, 3
- Effect of chronic morphine treatment on transmitter release from sympathetic varicosities of the mouse vas deferens, 116, 2860
- Effect of morphine on the nerve terminal impulse and transmitter release from sympathetic varicosities innervating the mouse vas deferens, 116, 2852
- Further evidence from functional studies for somatostatin receptor heterogeneity in guinea-pig isolated ileum, vas deferens and right atrium, 115, 975
- Modulation of calcium channel currents by arachidonic acid in single smooth muscle cells from vas deferens of the guinea-pig, 116, 1887
- A study on P_{2X} purinoceptors mediating the electrophysiological and contractile effects of purine nucleotides in rat vas deferens, 115, 177
- Vas deferens, guinea-pig, Effects of suramin on contractions of the guinea-pig vas deferens induced by analogues of adenosine 5'-triphosphate, 114, 1125
- Vas deferens, human, α_{1A} -Adrenoceptor-mediated contractile responses of the human vas deferens, 116, 1605
- Vas deferens, mouse, Characterization of kinin receptors modulating neurogenic contractions of the mouse isolated vas deferens, 114, 1471
- Evidence for lack of modulation of μ-opioid agonist action by δ-opioid agonists in the mouse vas deferens and guinea-pig ileum, 114, 1064
- Vas deferens, rat, BaCl₂- and 4-aminopyridine-evoked phasic contractions in the rat vas deferens, 115, 845
- Contractility of urinary bladder and vas deferens after sensory denervation by capsaicin treatment of newborn rats, 114, 166

– Evidence for a functional α_{1A} -(α_{1C} -) adrenoceptor mediating contraction of the rat epididymal vas deferens and an α_{1B} -adrenoceptor mediating contraction of the rat spleen, 115, 467

- Failure of the putative neuropeptide Y antagonists, benextramine and PYX-2, to inhibit Y₂ receptors in rat isolated prostatic vas deferens, 116, 2401
- Vascular endothelial cell growth factor (VEGF), Suppression of VEGFinduced angiogenesis by the protein tyrosine kinase inhibitor, lavendustin A, 114, 262
- Vascular hypertrophy, Mechanism of action of the inhibitory effect of nifedipine on the growth of cultured aortic cells from spontaneously hypertensive and normotensive rats, 114, 1703
- Vascular hyporeactivity, Aminoguanidine attenuates the delayed circulatory failure and improves survival in rodent models of endotoxic shock, 114, 1666
- Vascular injury, Potentiation of the hyporeactivity induced by *in vivo* endothelial injury in the rat carotid artery by chronic treatment with fish oil, 115, 255
- Vascular morphology, Effects of vitamin E deficiency on vasomotor activity and ultrastructural organisation of rat thoracic aorta, 115, 415
- Vascular permeability, Acute pro-inflammatory actions of endothelinin the guinea-pig lung: involvement of ET_A and ET_B receptors, 115, 227
- Delayed-type hypersensitivity-induced increase in vascular permeability in the mouse small intestine: inhibition by depletion of sensory neuropeptides and NK₁ receptor blockade, 114, 1483
- Effects of the ET_A/ET_B receptor antagonist, bosentan on endothelin-1induced myocardial ischaemia and oedema in the rat, 116, 1745
- Vascular reactivity, Effect of swimming on vascular reactivity to phenylephrine and KC1 in male rats, 115, 587
- The kinin B₁ receptor antagonist des-Arg⁹-[Leu⁸]bradykinin: an antagonist of the angiotensin AT₁ receptor which also binds to the AT₂ receptor, 114, 115
- The role of nitric oxide in the altered vascular reactivity of pregnancy in the rat, 114, 955
- Vascular resistance, Alterations of insulin response to different β cell secretagogues and pancreatic vascular resistance induced by N^{ω} -nitro-L-arginine methyl ester, 116, 1965
- Vascular wall, The formation of nitric oxide donors from peroxynitrite, 116, 1999
- Vasculature, coronary, Similar coronary vascular effects in the rat perfused heart of platelet-activating factor structural analogues with agonist and antagonist properties, 116, 2359
- Vasculature, mesenteric, The effect of endotoxin on sympathetic responses in the rat isolated perfused mesenteric bed; involvement of nitric oxide and cyclo-oxygenase products, 116, 3316
- Vasculature, rat intestinal, Attenuation by nitrosothiol NO donors of acute intestinal microvascular dysfunction in the rat, 115, 498
- Vasculature, renal, Canine renovascular responses to sumatriptan and 5-carboxamidotryptamine: modulation through endothelial 5-HT₁-like receptors by endogenous nitric oxide, 114, 969
- Vasoactive intestinal peptides, Distribution and effects of pituitary adenylate cyclase activating peptide in cat and human lower oesophageal sphincter, 116, 2873
- Effect of diabetes on relaxations to non-adrenergic, non-cholinergic nerve stimulation in longitudinal muscle of the rat gastric fundus, 116, 1551
- Functional characterization of the adenosine receptor mediating inhibition of intestinal secretion, 114, 152
- Influence of age on the signal transduction pathway of non-adrenergic non-cholinergic neurotransmitters in the rat gastric fundus, 114, 640
- Inhibition of rat colon contractility by prostacyclin (IP-) receptor agonists: involvement of NANC neurotransmission, 115, 163
- Inhibition by zinc protoporphyrin-IX of receptor-mediated relaxation of the rat aorta in a manner distinct from inhibition of haem oxygenase, 115, 186
- Pituitary adenylate cyclase-activating polypeptide, helospectin, and vasoactive intestinal polypeptide in human corpus cavernosum, 116, 2258
- Study of NO and VIP as non-adrenergic non-cholinergic neurotransmitters in the pig gastric fundus, 116, 2017

- Vasoactive intestinal polypeptides, Functional characterization of receptors with affinity for PYY, NPY, [Leu³¹,Pro³⁴]NPY and PP in a human colonic epithelial cell line, 116, 2673
- Vasoconstriction, Characterization of α_1 -adrenoceptors mediating vasoconstriction to noradrenaline and nerve stimulation in the isolated perfused mesentery of rat, 114, 531
- Characterization of neuropeptide Y (NPY) receptors in human cerebral arteries with selective agonists and the new Y₁ antagonist BIBP 3226, 116, 2245
- Characterization of receptors for kinins and neurokinins in the arterial and venous mesenteric vasculatures of the guinea-pig, 115, 1319
- ET_A receptor-mediated constrictor responses to endothelin peptides in human blood vessels in vitro, 115, 191
- Haemodynamic effects of losartan and the endothelin antagonist, SB 209670, in conscious, transgenic ((mRen-2)27), hypertensive rats, 116, 2237
- Inhibition of sympathetic vasoconstriction in pigs in vivo by the neuropeptide Y-Y₁ receptor antagonist BIBP 3226, 116, 2971
- Pharmacological profile of the receptors that mediate external carotid vasoconstriction by 5-HT in vagosympathectomized dogs, 116, 2778
- Phosphoramidon inhibition of the in vivo conversion of big endothelin 1 to endothelin-1 in the human forearm, 116, 1821
- Presence of vasoconstrictor 5-HT₁-like receptors revealed by precontraction of rabbit isolated mesenteric artery, 114, 309
- Responses of the aorta of the garter snake (Thamnophis sirtalis parietalis) to purines, 114, 41
- The role of α_2 -adrenoceptors in the vasculature of the rat tail, 114, 1724
- Vasoconstrictor responses to the P_{2X}-purinoceptor agonist β,γ-methylene-L-ATP in human cutaneous and renal blood vessels, 116, 1922
- Vasoconstriction, neurogenic, Inhibition of cyclic GMP-dependent protein kinase-mediated effects by (Rp)-8-bromo-PET-cyclic GMPS, 116, 3110
- Vasoconstriction, pulmonary, Actions of endothelins and sarafotoxin 6c in the rat isolated perfused lung, 115, 653
- Vasoconstrictor nerves, Reduction of vasoconstriction mediated by neuropeptide Y Y₂ receptors in arterioles of the guinea-pig small intestine, 115, 220
- Vasodilatation, Mediation by CCK_B receptors of the CCK-evoked hyperaemia in rat gastric mucosa, 116, 2274
- Nitric oxide is a mediator of tachykinin NK₃ receptor-induced relaxation in rat mesenteric artery, 116, 2919
- Vasodilatation, neurogenic, Mediation by prostaglandins of the nitric oxide-induced neurogenic vasodilatation in rat skin, 116, 2365
- Vasodilation, Characterization of receptors for kinins and neurokinins in the arterial and venous mesenteric vasculatures of the guinea-pig, 115, 1319
- Cytochrome P450-dependent effects of bradykinin in the rat heart, 114,
 99
- Differential sensitivity of basal and acetylcholine-stimulated activity of nitric oxide to destruction by superoxide anion in rat aorta, 115, 993
- Effects of vitamin E deficiency on vasomotor activity and ultrastructural organisation of rat thoracic aorta, 115, 415
- Electrophysiological effects of SD-3212, a new antiarrhythmic agent with vasodilator action, on guinea-pig ventricular cells, 114, 503
- Gensenosides-induced nitric oxide-mediated relaxation of the rabbit corpus cavernosum, 115, 15
- Inhibition of calcium release from the sarcoplasmic reticulum of rabbit aorta by hydralazine, 114, 238
- Interaction of human adrenomedullin₁₃₋₅₂ with calcitonin gene-related peptide receptors in the microvasculature of the rat and hamster, 114, 592
- A new class of furoxan derivatives as NO donors: mechanism of action and biological activity, 114, 816
- Release by ultraviolet B (u.v.B) radiation of nitric oxide (NO) from human keratinocytes: a potential role for nitric oxide in erythema production, 114, 1257
- Renal vasodilatation by dopexamine and fenoldopam due to α_1 -adrenoceptor blockade, 115, 349
- Responses of the aorta of the garter snake (Thamnophis sirtalis

- parietalis) to purines, 114, 41
- Vasodilators, Inhibition of angiogenesis, tumour growth and metastasis by the NO-releasing vasodilators, isosorbide mononitrate and dinitrate, 116, 1829
- Vasodilator nerves, Reduction of vasoconstriction mediated by neuro-peptide Y Y₂ receptors in arterioles of the guinea-pig small intestine, 115, 220
- Vasomotor tone, Influence of graded changes in vasomotor tone on the carotid arterial mechanics in live spontaneously hypertensive rats, 115, 1235
- Vasopressin, Central cardiovascular effects of acetylcholine in the conscious dog, 116, 2175
- Characterization of arginine vasopressin actions in human uterine artery: lack of role of the vascular endothelium, 115, 1295
- Differential effects of phosphoramidon on contractile responses to angiotensin II in rat blood vessels, 114, 1599
- Effect of endotoxin on the angiotensin II receptor in cultured vascular smooth muscle cells, 116, 2524
- Restoration of blood pressure by choline treatment in rats made hypotensive by haemorrhage, 116, 1911
- Vasopressin receptors, Characterization of arginine vasopressin actions in human uterine artery: lack of role of the vascular endothelium, 115, 1295
- Vasorelaxation, The involvement of ATP-sensitive potassium channels in β-adrenoceptor-mediated vasorelaxation in the rat isolated mesenteric arterial bed, 115, 607
- Thapsigargin- and cyclopiazonic acid-induced endothelium-dependent hyperpolarization in rat mesenteric artery, 115, 987
- Vasorelaxant effect of isoliquiritigenin, a novel soluble guanylate cyclase activator, in rat aorta, 114, 1587
- Vasorelaxation, endothelium-dependent, Identification of a prostanoid FP receptor population producing endothelium-dependent vasorelaxation in the rabbit jugular vein, 116, 3035
- Veins, Examination of the role of inhibition of cyclic AMP in α_2 -adrenoceptor mediated contractions of the porcine isolated palmar lateral vein, 114, 157
- Veins, jugular, Mediation by 5-hydroxytryptamine_{2B} receptors of endothelium-dependent relaxation in rat jugular vein, 114, 400
- Pharmacological evidence for a single bradykinin B₂ receptor in the guinea-pig, 116, 2106
- Veins, jugular, rabbit, Identification of a prostanoid FP receptor population producing endothelium-dependent vasorelaxation in the rabbit jugular vein, 116, 3035
- Veins, portal, Inhibitory action of betaxolol, a β_1 -selective adrenoceptor antagonist, on voltage-dependent calcium channels in guinea-pig artery and vein, 115, 198
- Veins, portal, ferret, Calcium compartments in vascular smooth muscle cells as detected by aequorin signal, 116, 3000
- Veins, portal, rabbit, Sustained contraction produced by caffeine after ryanodine treatment in the circular muscle of the guinea-pig gastric antrum and rabbit portal vein, 114, 1414
- Veins, portal, rat, Effects of BRL55834 in rat portal vein and bovine trachea: evidence for the induction of a glibenclamide-resistant, ATPsensitive potassium current, 115, 1027
- Veins, pulmonary, Endothelium-dependent relaxations in sheep pulmonary arteries and veins: resistance to block by N^G-nitro-L-arginine in pulmonary hypertension, 116, 2457
- Leukotriene receptors on human pulmonary vascular endothelium, 115, 1382
- Veins, renal, human, Vasoconstrictor responses to the P_{2X} -purinoceptor agonist β , γ -methylene-L-ATP in human cutaneous and renal blood vessels. 116. 1932
- Veins, saphenous, Discrimination by benextramine between the NPY-Y₁ receptor subtypes present in rabbit isolated vas deferens and saphenous vein, 115, 3
- Endothelin ET_A and ET_B mRNA and receptors expressed by smooth muscle in the human vasculature: majority of the ET_A sub-type, 114, 1110
- ET_A receptor-mediated constrictor responses to endothelin peptides in human blood vessels in vitro, 115, 191
- Pharmacological evidence for the presence of three distinct functional

- endothelin receptor subtypes in the rabbit lateral saphenous vein, 114, 1529
- Sumatriptan-induced saphenous venoconstriction in the anaesthetized dog through 5-HT₁-like receptor activation, 116, 2207
- Veins, saphenous, dog, Effects of U46619 on contractions to 5-HT, sumatriptan and methysergide in canine coronary artery and saphenous vein *in vitro*, 116, 2183
- Veins, saphenous, human, Vasoconstrictor responses to the P_{2X} purinoceptor agonist β , γ -methylene-L-ATP in human cutaneous and
 renal blood vessels, 116, 1932
- Veins, umbilical, Contractile actions of thrombin receptor-derived polypeptides in human umbilical and placental vasculature: evidence for distinct receptor systems, 115, 569
- Stimulation of human umbilical vein endothelial cell proliferation by A₂-adenosine and β₂-adrenoceptors, 114, 1577
- Venoconstriction, Sumatriptan-induced saphenous venoconstriction in the anaesthetized dog through 5-HT₁-like receptor activation, 116, 2207
- Venous compliance, Effects of pinacidil on arterial and venous resistances and mean circulatory filling pressure in rats, 116, 2322
- Venous resistance, Effects of pinacidil on arterial and venous resistances and mean circulatory filling pressure in rats, 116, 2322
- Increase by N^G-nitro-L-arginine methyl ester (L-NAME) of resistance to venous return in rats, 114, 1454
- Ventral tegmentum, Anti-ataxic effects of TRH and its analogue, TA-0910, in Rolling mouse Nagoya by metabolic normalization of the ventral tegmental area, 116, 3274
- Differential effects of acute and chronic fluoxetine administration on the spontaneous activity of dopaminergic neurones in the ventral tegmental area, 116, 1923
- Ventricle, left, human, Selectivity of [125]-PD151242 for human, rat and porcine endothelin ET_A receptors in the heart, 114, 297
- Ventricular cells, Electrophysiological effects of Ro 22-9194, a new antiarrhythmic agent, on guinea-pig ventricular cells, 114, 19
- Electrophysiological effects of SD-3212, a new antiarrhythmic agent with vasodilator action, on guinea-pig ventricular cells, 114, 503
- Mechanism of inhibition of the sodium current by bepridil in guineapig isolated ventricular cells, 116, 1775
- Ventricular muscle, Species-related differences in inotropic effects of angiotensin II in mammalian ventricular muscle: receptors, subtypes and phosphoinositide hydrolysis, 114, 447
- Verapamil, Characteristics of the NANC post-stimulus ('rebound') contraction of the urinary bladder neck muscle in sheep, 116, 2451
- Effects of 8-bromo cyclic GMP and verapamil on depolarization-evoked Ca²⁺ signal and contraction in rat aorta, 114, 1731
 Effects of semotiadil fumarate, a novel Ca²⁺ antagonist, on cytosolic
- Effects of semotiadil fumarate, a novel Ca²⁺ antagonist, on cytosolic Ca²⁺ level and force of contraction in porcine coronary arteries, 114, 1289
- Postjunctional α_1 and β -adrenoceptor effects of noradrenaline on electrical slow waves and phasic contractions of cat colon circular muscle. 116, 3265
- Veratridine, Effects of besipirdine at the voltage-dependent sodium channel, 116, 2468
- Electrophysiological actions of phenytoin on N-methyl-D-aspartate receptor-mediated responses in rat hippocampus in vitro, 115, 67
- Video imaging, Regulation of cytosolic calcium by collagen in single human platelets, 115, 101
- Villous trophoblast, Nitric oxide synthase in human placenta and umbilical cord from normal, intrauterine growth-retarded and pre-eclamptic pregnancies, 116, 3099
- Virus infection, Potentiation by viral respiratory infection of ovalbumininduced guinea-pig tracheal hyperresponsiveness: role for tachykinins, 115, 1048
- Vitamin E, Effects of chronic vitamin E deficiency and a high polyunsaturated fatty acid diet on rat mesenteric arterial function, 116, 3075
- Effects of chronic vitamin E deficiency on vascular function a study of sympathetic nerves, smooth muscle and endothelium of the mesenteric arterial bed of the rat, 116, 2983
- Effects of vitamin E deficiency on vasomotor activity and ultrastructural organisation of rat thoracic aorta, 115, 415
- Voltage clamp, Inhibitory action of betaxolol, a β₁-selective adrenoceptor

antagonist, on voltage-dependent calcium channels in guinea-pig artery and vein, 115, 198

- Quinidine-induced open channel block of K⁺ current in rat ventricle, 115, 335
- Reduction of spike frequency adaptation and blockade of M-current in rat CA1 pyramidal neurones by linopirdine (DuP 996), a neurotransmitter release enhancer, 115, 1163
- Voltammetry, Biphasic inhibition of stimulated endogenous dopamine release by 7-OH-DPAT in slices of rat nucleus accumbens, 115, 421
- Evidence that 5-hydroxytryptamine release in rat dorsal raphé nucleus is controlled by 5-HT_{1A}, 5-HT_{1B} and 5-HT_{1D} autoreceptors, 114, 1107
- Von Bezold-Jarisch reflex, The enantiomers of zacopride: an intraspecies comparison of their potencies in functional and anxiolytic models, 115, 775
- Evaluation of the receptor selectivity of the H₃ receptor antagonists, iodophenpropit and thioperamide: an interaction with the 5-HT₃ receptor revealed, 116, 2315
- Pharmacological characterization of RS 25259-197, a novel and selective 5-HT₃ receptor antagonist, in vivo, 114, 860

W

Water clearance, The role of the peripheral sympathetic nervous system in the natriuresis following central administration of an I₁ imidazoline agonist, moxonidine, 116, 2631

Water excretion, Effects of calcitonin gene-related peptide receptor antagonists on renal actions of adrenomedullin, 115, 1133

WAY 100135, NMDA-induced glutamate and aspartate release from rat cortical pyramidal neurones: evidence for modulation by a 5-HT_{1A} antagonist, 115, 1169

WAY 100635, Evidence that 5-HT_{1D} receptors mediate inhibition of sympathetic ganglionic transmission in anaesthetized cats, 116, 1715

 Interaction between a selective 5-HT_{IA} receptor antagonist and an SSRI in vivo: effects on 5-HT cell firing and extracellular 5-HT, 115, 1064

WB 4101, α_{1A} -Adrenoceptor-mediated contractile responses of the human vas deferens. 116, 1605

- Characterization of α_1 -adrenoceptors mediating vasoconstriction to noradrenaline and nerve stimulation in the isolated perfused mesentery of rat. 114, 531
- Evidence for a functional α_{1A}-(α_{1C}-) adrenoceptor mediating contraction of the rat epididymal vas deferens and an α_{1B}-adrenoceptor mediating contraction of the rat spleen, 115, 467
- Investigation of the actions of chloroethylclonidine in rat aorta, 115, 1399
- Noradrenaline contractions of human prostate mediated by α_{1A} (α_{1C})adrenoceptor subtype, 115, 781

Wet-dog shakes, Comparative behavioural profile of centrally administered tachykinin NK₁, NK₂ and NK₃ receptor agonists in the guinea-pig, 116, 2496

Whole-cell voltage clamp, Potent block of potassium currents in rat isolated sympathetic neurones by the uncharged form of amitriptyline and related tricyclic compounds, 116, 2191

WIN 64338, Effects of WIN 64338, a nonpeptide bradykinin B₂ receptor antagonist, on guinea-pig trachea, 115, 1127

 Inhibition of bradykinin-evoked trigeminal nerve stimulation by the non-peptide bradykinin B₂ receptor antagonist WIN 64338 in vivo and in vitro, 116, 3164

Wistar-Kyoto rats, Endothelial function in spontaneously hypertensive rats: influence of quinapril treatment, 115, 859

Withdrawal, Effect of chronic morphine treatment on transmitter release from sympathetic varicosities of the mouse vas deferens, 116, 2860

Wortmannin, Inhibition by wortmannin of M-current in bullfrog sympathetic neurones, 114, 489

Wound healing, Mechanism of angiogenic effects of saponin from Ginseng Radix rubra in human umbilical vein endothelial cells, 115, 1188

X

Xanthines, Anxiolytic activity of adenosine receptor activation in mice, 116, 2127

 Differential effects of non-selective and selective phosphodiesterase inhibitors on human eosinophil functions, 114, 821

Xenopus oocytes, Actions of the insecticide fipronil, on dieldrin-sensitive and -resistant GABA receptors of Drosophila melanogaster, 115, 909

- Determination of K_A values by controlled receptor expression in Xenopus oocytesm, 116, 2062
- Enhancement by 5-hydroxytryptamine and analogues of desensitization of neuronal and muscle nicotinic receptors expressed in *Xenopus* oocytes, 114, 1636
- The interaction of trichloroethanol with murine recombinant 5-HT₃ receptors, 114, 1641

V

YC-1, YC-1 inhibited human platelet aggregation through NOindependent activation of soluble guanylate cyclase, 116, 1973

YC-170, Voltage-dependence of Ca²⁺ agonist effect of YC-170 on cardiac L-type Ca²⁺ channels, 116, 2134

(R)-YM-12617, Mediation of noradrenaline-induced contractions of rat aorta by the α_{1B} -adrenoceptor subtype, 114, 745

Yohimbine, Functional evidence for a 5-HT_{2B} receptor mediating contraction of longitudinal muscle in human small intestine, 114, 1525

 A re-evaluation of the role of α₂-adrenoceptors in the anxiogenic effects of yohimbine, using the selective antagonist delequamine in the rat, 116, 2081

Z

Zacopride, The enantiomers of zacopride: an intra-species comparison of their potencies in functional and anxiolytic models, 115, 775

Zamifenacin, Selective blockade of M₂ and M₃ muscarinic receptors by hexahydrobenzyl-fourdapine and a comparison with zamifenacin, 116, 2897

Zaprinast, An endogenous protectant effect of cardiac cyclic GMP against reperfusion-induced ventricular fibrillation in the rat heart, 116, 2923

- Nitric oxide, an enteric nonadrenergic-noncholinergic relaxant transmitter: evidence using phosphodiesterase V and nitric oxide synthase inhibition. 116, 1789
- Vascular pharmacology of methylene blue in vitro and in vivo: a comparison with N^G-nitro-L-arginine and diphenyleneiodonium, 114, 194

Zinc, Inhibition by Zn²⁺ of uridine 5'-triphosphate-induced Ca²⁺-influx but not Ca²⁺-mobilization in rat phaeochromocytoma cells, 115, 1502

 Pharmacological modulation of adrenal medullary GABA_A receptor: consistent with its subunit composition, 116, 1875

Zinc protoporphyrin, Pharmacological identification of different inhibitor mediators involved in the innervation of the internal anal sphincter, 115, 158

Zinterol, β-Adrenoceptor subtypes in young and old rat ventricular myocytes: a combined patch-clamp and binding study, 116, 1835

ZM 230487, Substance P-induced inflammatory responses in guinea-pig skin: The effect of specific NK₁ receptor antagonists and the role of endogenous mediators. 114, 1343

ZM 241385, The *in vitro* pharmacology of ZM 241385, a potent, non-xanthine, A_{2a} selective adenosine receptor antagonist, 115, 1096

Zooxanthellatoxin-A, Activation of rabbit platelets by Ca²⁺ influx and thromboxane A₂ release in an external Ca²⁺-dependent manner by zooxanthellatoxin-A, a novel polyol, 115, 433

Zucker rat, Effects of metformin treatment on glucose transporter proteins in subcellular fractions of skeletal muscle in (falfa) Zucker rats, 115, 1182