

COMMUNICATIONS

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| 349P | BOAKES, R.J., TURNER, J.D. & VIRMANI, M.A. Effects of putative anion transport inhibitors on the release of 5-hydroxytryptamine induced by low chloride superfusion | 357P | LITTLE, H.J., NUTT, D.J. & TAYLOR, S.C. The benzodiazepine antagonist, Ro 15-1788, does not alleviate the ethanol withdrawal syndrome in rats |
| 350P | GALZIN, A.M., LANGER, S.Z. & PORTIER, A. Effects of substituted tetrahydro- β -carboline on 5-HT uptake and release in rat hypothalamic slices | 358P | COSTALL, BRENDA, DOMENEY, ANNETTE M., KELLY, ELIZABETH, M. & NAYLOR, R.J. Specificity of prostaglandin action in the striatum to antagonise dyskinesias |
| 351P | MARSHALL, ELIZABETH F., TYRER, S.P., ALDERSON, E. & ECCLESTON, D. Effects of fluoxetine on imipramine-binding <i>in vivo</i> and <i>in vitro</i> | 359P | BRISTOW, D.R. & WATLING, K.J. GABA _B receptor stimulation increases vasoactive intestinal peptide activated cyclic AMP accumulation in slices of rat cerebral cortex |
| 352P | BENKELFAT, C., GALZIN, A.M., LANGER, S.Z., LOO, H., POIRIER, M.F., SCHOEMAKER, H., SECHTER, D., SEGONZAC, A. & ZARIFIAN, E. [³ H]-imipramine binding in human blood platelets: changes after chronic chlorimipramine | 360P | LITTLE, H.J., NUTT, D.J. & TAYLOR, S.C. Selective potentiation of the effects of a benzodiazepine contragonist after chronic flurazepam treatment in mice |
| 353P | BRILEY, M. & CHANTAL MORET. Inhibitory effect of dihydro-ergocristine on 5-HT release from rat hypothalamic slices | 361P | MALTA, E., MOLENAAR, P. & RAPER, C. Structure-affinity and structure-efficacy relationships at β -adrenoceptor sites |
| 354P | BALFOUR, D.J.K. & COPLAND, A.M. Effects of diazepam on the concentration and biosynthesis of 5-hydroxytryptamine in rat brain | 362P | DOCHERTY, J.R. & HYLAND, LISA. Neuro-effector transmission through postsynaptic α_2 -adrenoceptors in human saphenous vein |
| 355P | MELY, Y., PALFREYMAN, M.G., SLEIGHT, A.J. & ZREIKA, M. Selective activation of the monoamine oxidase inhibiting pro-drug, MDL 72394 by AADC of central monoamine neurons | 363P | BOARDER, M.R. & MCARDLE, W. Release of noradrenaline and adrenaline from perfused cultured bovine adrenal chromaffin cells |
| 356P | CANDY, J.M., COURT, J.A., PERRY, R.H. & SMITH, C.J. Carbachol-stimulated phosphatidylinositol hydrolysis in the cerebral cortex after freezing and post mortem delay | 364P | CALVETE, J.A., HAYES, R.J., OATES, N.S., SEVER, P.S. & THOM, S. α_1 and α_2 adrenoceptor responses in human isolated arteries |

The author who intended to present the work is indicated

by an asterisk () on the abstract*

- 365P CLARKE, B., DUNCAN, G.P., PATMORE, L & WHITING, R.L. Measurement of calcium antagonist potency using cardiac cell cultures
- 366P FAIRHURST, G., STANNARD, M. & WYLLIE, M.G. Measurement of natriuretic hormone levels in rodents and man
- 367P GADIE, B., ROACH, A.G. & TULLOCH, I.F. Partial agonism at central and peripheral α_2 -adrenoceptors in the rat
- 368P GRANT, T.L. & MCGRATH, J.C. The effects of teprotide on pressor responses to α -agonists and sympathetic nerve stimulation
- 369P BRUNDISH, D.E., HIRST, B.H., KENDALL-TAYLOR, P., SNELL, C.R., WEIGHTMAN, D.R. & WHITFORD, C.A. Characterisation of two high affinity binding sites for [3 H] somatostatin in rat brain
- 370P SHARIF, N.A. TRH is endogenous to rat olfactory bulb - evidence from chemical and surgical lesions
- 371P O'BOYLE, K.M. & WADDINGTON, J.L. SK&F 83566 and 83692: benzazepines with selective and stereospecific actions at the D₁ dopamine receptor
- 372P BILL, D.J. & STEPHENS, R.J. Clonidine reverses reserpine-induced hypothermia in the mouse via activation of central post-synaptic α_2 -adrenoceptors?
- 373P MILTON, A.S. The effects of ketoprofen, dexamethasone and corticotrophin on the hyperthermic effect of polyinosinic-polycytidylic acid
- 374P CURZON, G., DOURISH, C.T. & HUTSON, P.H. The serotonin agonist 8-OH-DPAT elicits feeding in non-deprived rats
- 375P CLARKSON, J.S., MICHEL, A.D. & WHITING, R.L. Effect of pH on the binding of [3 H]-prazosin to rat cerebral cortex
- 376P BALFOUR, D.J.K., BATTIG, K., FITZGERALD, R. & OETTINGER, R. The effects on nicotine on the behaviour of two strains of rats in a combined maze-open field
- 377P BRITTAIN, R.T., COLEMAN, R.A., COLLINGTON, E.W., HALLETT, P., HUMPHREY, P.P.A., KENNEDY, I., LUMLEY, P., SHELDRICK, R.L.G. & WALLIS, C.J. AH 23848: a potent, selective thromboxane receptor blocking drug
- 378P HUMPHREY, P.P.A. & LUMLEY, P. The effects of AH23848, a novel thromboxane receptor blocking drug, on platelets and vascular smooth muscle.
- 379P BALL, H.A. & PARRATT, J.R. Effects of a new thromboxane receptor antagonist, AH23848 on the acute cardiopulmonary responses to *E. coli* endotoxin in cats
- 380P COKER, SUSAN, J. & PARRATT, J.R. Antiarrhythmic activity of the thromboxane antagonist AH23848 during canine myocardial ischaemia and reperfusion
- 381P HAYLOR, J. & LOTE, C.J. Is the urinary excretion of PGE from the rat influenced by changes in urine flow?
- 382P LEOUTSAKOS, A., PEARCE, F.L. & THOMPSON, H.L. On the mechanism of dextran-induced histamine secretion from rat peritoneal mast cells

- 383P MARSHALL, R.W. & SPRIGGS, T.L.B. Effects of α_2 -antagonists and $\alpha\beta$ -methyleneATP on responses of rat vas deferens to twin pulse field stimulation
- 384P MCCULLOCH, M.W., RAND, M.J., ROSE, AMANDA & STORY, D.F. Uptake and release of 5-hydroxytryptamine by sympathetic nerve terminals in rat atria
- 385P PATON, D.M. & WEBSTER, D.R. Relationship of metabolism of adenine nucleotides to presynaptic inhibition of transmission in rat vas deferens
- 386P EGLIN, R.M. & WHITING, R.L. Comparison of activities of muscarinic agonists on rabbit aorta and guinea pig ileum
- 387P COSTALL, BRENDA, GUNNING, S.J. & NAYLOR, R.J. Cholinergic-mediated contractions of guinea pig stomach, gall bladder and bladder; effects of metoclopramide BRL20627 and SCH23390
- 388P MACKAY, D. Functional interaction between carbachol and various drugs which relax or contract the isolated trachea of the guinea pig
- 389P CORBETT, A.D., KOSTERLITZ, H.W., MCKNIGHT, A.T. & PATERSON, S.J. β -Funaltrexamine pretreatment of guinea-pig myenteric plexus alters μ -agonist sensitivity without affecting opioid binding sites
- 390P DETTMAR, P.W., KELLY, J. & MACDONALD, A. Characterisation of α -adrenoceptor-mediated response in rat gastric fundus
- 391P FOZARD, J.R. & RAMAGE, A.G. The effects of 8-hydroxy-2-(di-N-propylamino) tetralin on the cardiovascular system of the cat: comparison with clonidine
- 392P JENNER, P., MARSDEN, C.D. & SIMPSON, M.D.C. Hypophysectomy enhances the ability of haloperidol to induce striatal dopamine receptor supersensitivity in the rat
- 393P BRADBURY, AMANDA J., COSTALL, BRENDA, DOMENEY, ANNETTE M., JENNER, P., MARSDEN, C.D. & NAYLOR, R.J. Behavioural and biochemical consequences of bilateral infusion of MPTP into rat forebrain
- 394P BUCKETT, W.R., DIGGORY, G.L. & LUSCOMBE, G.P. In albino and pigmented mice MPTP selectively depletes dopamine from striatal and limbic areas but not from hypothalamus
- 395P BRADBURY, AMANDA J., COSTALL, BRENDA, DOMENEY, ANNETTE M., JENNER, P., MARSDEN, C.D. & NAYLOR, R.J. Persistent motor change following the unilateral infusion of MPTP into the striatum of rat brain
- 396P BARR, J. & SKETT, P. The role of cytochrome P-450, NADPH-cytochrome P-450 reductase and lipids in sex differences in hepatic drug metabolism
- 397P CONNELLY, D.M. & TABERNER, P.V. The effects of chronic ethanol treatment and withdrawal on immunoreactive serum insulin levels in LACG and diabetogenic C57 BL mice
- 398P BEATTIE, DOREEN E., MORONEY, MICHELE-ANN & WYLLIE, M.G. Inter-relationship between Na^+ , K^+ -ATPase and K^+ -ATPase in gastric mucosa
- 399P BRECKENRIDGE, A.M., COLEMAN, M.D., EDWARDS, G., HOWELLS, R.E., MIHALY, G.W. & WARD, S.A. The pharmacokinetics and tissue localisation of pyrimethamine in the mouse: effect of dose size

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| 400P | SKETT, P. & MCBEAN, D.E. The use of liver cubes in the assessment of phase 1 drug metabolism in the rat | 403P | BENNETT, P.N., NOTARIANNI, LIDIA J. & WORLOCK, A.J. Metabolism of lignocaine in the perfused rat liver <i>in situ</i> following flow variations in hepatic artery and portal vein |
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| 402P | CALDWELL, J., HORNER, M.W., HOUGHTON, E., MOSS, M.S., SMITH, P.B.W. & SMITH, R.L. The disposition of phenylbutazone in the horse | 405P | KITTINGHAM, N.R., MAGGS, J.L., NEWBY, S. & PARK, B.K. The fate of dinitrophenyl-albumin conjugates in the rat |

POSTER COMMUNICATIONS

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| 406P | DUVAL, N., HICKS, P.E. & LANGER, S.Z. Reserpine-resistant responses to nerve stimulation in the cat nictitating membrane are due to newly synthesised transmitter | 413P | COLLIS, M.G. & SAVILLE, V.L. An investigation of the negative chronotropic effect of adenosine on the guinea-pig atrium |
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| 408P | BATES, R.F.L., BUCKLEY, G.A. & MCARDLE, C.A. Pressor effects of centrally administered salmon calcitonin (sCT) | 415P | COMBE, DEBORAH M. & GEDDES, CLAIRE. Effect of oxypertine on dopamine receptor stimulation in the cardiovascular system |
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| 410P | BOGAERT, M.G., DUPONT, A.G. & LEFEBVRE, R.A. Effect of apomorphine on neurogenic vasoconstriction in the isolated autoperfused hindquarters of the rat | 417P | KELLY, M.J., RICHARDSON, W. & SWEETMAN, A.J. Selective protective action of α -tocopherol on noradrenaline-mediated responses in vascular smooth muscle |
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- 420P COOPER, S.J. & DOURISH, C.T. Novelty modifies the stimulant effects of β -phenylethylamine on locomotion and rearing in the rat
- 421P ARCHER, D.R. & LYLES, G.A. Amine oxidase activities in dissociated cell fractions from rat skeletal muscle
- 422P LANE, A.C. & WALTER, D.S. Sodium ions increase the affinity of idazoxan for central α_1 -binding sites labelled by [3 H]-prazosin
- 423P HEDLEY, D., PERTWEE, R.G. & SUTHERLAND, J.F. Involvement of acetylcholine in the hypothermic response of mice to Δ^9 -tetrahydrocannabinol
- 424P MACDONALD, A.G., MARSHALL, N.R. & PERTWEE, R.G. The effect of nitrous oxide on behavioural thermoregulation in mice
- 425P BANSAL, S.J., BRECKENRIDGE, R.J., IVERSEN, L.L., SUCKLING, C.J., WATLING, K.J. & WILLIAMS, L.C. Non-selective inhibition of GABA and 5-HT uptake in rat brain by molecules possessing long alkyl side chains
- 426P JENNER, P., LUSCOMBE, G., MARSDEN, C.D. & SCHONBAUM, E. Central 5-HT mechanisms may mediate 5-hydroxytryptophan-induced hypothermia in guinea pigs but not rats
- 427P BUCKETT, W.R. & LUSCOMBE, G.P. Depletion of striatal dopamine by MPTP does not alter spontaneous or dopamine-dependent behaviour in albino or pigmented mice
- 428P REUBI, J.C. Novel selective radioligand for one subpopulation of rat cortex somatostatin receptors
- 429P FLETCHER, A & FORSTER, ELAINE A. Clonidine does not antagonise seizures induced by intravenous infusion of leptazol in rodents
- 430P GOADBY, P. & HARDMAN, PHILLIPA A. The effects of the thromboxane synthetase inhibitor, UK-37248 on anaphylactic bronchoconstriction in guinea pigs
- 431P GRIFFITHS, R.J. & MOORE, P.K. Effect of unilateral nephrectomy on renal prostanoid biosynthesis in the rat
- 432P HORNBY, E.J. & SKIDMORE, I.F. Reductions in thromboxane B₂ production as a consequence of thromboxane receptor blockade in human platelet rich plasma
- 433P BACK, D.J. & RIVIERE, JUDITH H. Inhibition of drug metabolism by mefloquine
- 434P HEWICK, D.S., TAVENDALE, R. & WILSON, S.A. The biliary elimination of indocyanine green and nitrazepam in germfree and conventional rats
- 435P CREWE, H.K., LENNARD, M.S., TUCKER, G.T. & WOODS, H.F. Inhibition of metoprolol oxidation by debrisoquine and other drugs in rat liver microsomes
- 436P CLAGUE, R.U., KILPATRICK, A.T. & WHITING, R.L. α_2 -adrenoceptor antagonists: a new approach to the treatment of hyperglycaemia
- 437P CLARKE, B., EGLEN, R.M., PATMORE, L. & WHITING, R.L. Cardio-selective calcium entry blocking properties of a nicardipine metabolite
- 438P CLARKE, B. & PATMORE, L. Differential effects of ryanodine on calcium entry and contraction in cardiac muscle
- 439P MALLARKEY, G., MOTION, M.C. & SMITH, G.M. Does thromboxane A₂ directly or indirectly stimulate bronchial smooth muscle in guinea pigs?

- 440P DAVIS, E., MCNAMEE, P.M. MARKHAM, A. & SWEETMAN, A.J. Nonsteroidal anti-inflammatory agents may activate lipooxygenase by releasing calcium from mitochondria
- 441P CALVETE, J.A., HAYES, R.J. & THOM, S. Evidence for the occurrence of histamine H1 receptors in human vas deferens
- 442P PATERSON, J.R. STEVENSON, I.H., HOOD, H.T. & SKELLERN, G.G. Thyroidal uptake of radioactivity following the administration of [^{14}C]-3-methyl-2-thiohydantoin to rats
- 443P ILES, N.C., MOHAMED, Z., OLD, D.C., JOHNSON, B.E. & STEVENSON, I.H. The *in vitro* metabolism of psoralens used in photo-chemotherapy
- 444P CAMERON, H.A., EPSTEIN, P.M., LAMBERT, J.J. & LYLES, G.A. Properties of [^3H]-nitrendipine binding to homogenates of chick heart
- 445P BURKE, M.D., KILGOUR, C. & PERTWEE, R.G. Potent but selective inhibition of cytochrome P-450 by cannabidiol
- 446P LAMB, R.J. & MILLER, A.A. N-methyl-D-aspartic acid inhibits spontaneous firing of cerebellar purkinje cells *in vitro*
- 447P LEACH, M.J., MARSDEN, C.M., MILLER, A.A., O'DONNELL, R.A. & WESTON, S.B. Cortical amino acid changes after 'long term' electrical kindling in rats
- 448P BROADHURST, A.B., HORTON, R.W., PRESTWICH, S.A. & WYLLIE, M.G. Examination of the interaction of α_2 -antagonists with GABA-recognition sites in rat brain membranes
- 449P ALPS, B.J., BROWN, C.M., CALDER, C. & KILPATRICK, A.T. Brain dopamine levels following experimental cerebral ischaemia
- 450P ATTERWILL, C.K. Effect of thyroid status on the different forms of Na^+ , K^+ -ATPase in immature and mature rat brain
- 451P DAWSON, C. & DEWHURST, D.G. The effect of valproic acid and diazepam on catechol-induced spontaneous convulsions
- 452P CRESPI, F., KEANE, P.E. & MORRE, M. TRH increases the release of dopamine and serotonin in the nucleus accumbens and striatum *in vivo*
- 453P HOLMES, S.W. & SUGDEN, D. A Simple observational test for drug effect on sleep latency in the rat
- 454P CROSSMAN, A.R., MITCHELL, I.J., SLATER, P., STUART, A.M. & UNWIN, H.P. Preparation of primate tissues for receptor binding studies from [^3H]-2-deoxyglucose autoradiography sections
- 455P KIRBY, G.C. & MCQUEEN, D.S. Effects of substance P on responses of cat carotid body chemoreceptors to dopamine, noradrenaline and 5-hydroxytryptamine
- 456P BALFOUR, D.J.K. & IYANIWURA, T.T. The effects of d-amphetamine on brain 5-hydroxytryptamine and plasma corticosterone in unstressed rats
- 457P BALFOUR, D.J.K. & IYANIWURA, T.T. Studies on the effects of d-amphetamine on brain 5-HT and plasma corticosterone in stressed rats
- 458P CROSS, J.A., FEKETE, M.I.K., ROTHWELL, N.J., STOCK, M.J. & WYLLIE, M.G. Adrenal corticosteroid-induced alterations in opioid receptor sensitivity

DEMONSTRATIONS

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|------|--|------|---|
| 459P | DEMPSTER, J. A set of computer programs for electrophysiological analysis of end plate current characteristics | 461P | MORGAN, R.M. Lessonwriter:- a simple authoring system for the production of computer assisted instruction lessons in pharmacology |
| 460P | MICHEL, A.D. & WHITING, R.L. Analysis of ligand binding data using a microcomputer | 462P | THOMPSON, J. Patient anthropometric assessment and storage utilizing a cheap microcomputer system |

CONTRIBUTIONS BY TITLE ONLY

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| 463P | LITTLE, H.J., MINCHIN, M.C.W., NUTT, D.J. & TAYLOR, S.C. Investigating benzodiazepine receptor function <i>in vivo</i> using an intravenous infusion of DMCM | BALFOUR, D.J.K., LAMBERT, J.J. LYLES, G.A., OGG, G.D. & STEVENSON, I.H. Basic self-assessment tutorials in pharmacology |
| | LYLES, G.A., OGG, G.C. & STEVENSON, I.H. BPS bookings by the Apple quick-file system | |