

# COMMUNICATIONS

- 1P WILSON, C. Comparison of  $\beta$ -adrenoceptors in guinea-pig, rat and human atria
- 2P HERMAN, A.G., JORDAENS, F.H., MAJCHROWICZ, B.B., VERBEUREN, T.J. & ZONNEKEYN, L.L. Effect of tertatolol on pre- and postjunctional  $\beta$ -receptors in canine blood vessels
- 3P DE WILDT, D.J., FOLKERTS, G., NIJKAMP, F.P. & VAN HEUVEN-NOLSEN, D. Influence of different bacteria and their components on guinea-pig lung  $\beta$ -adrenoceptor function and number
- 4P BOJANIC, D., JANSEN, J.D., NAHORSKI, S.R. & ZAAGSMA, J. Atypical nature of rat adipocyte  $\beta$ -adrenoceptors: evidence from lipolysis and cAMP production
- 5P FOLKERTS, G., NIJKAMP, F.P. & VAN HEUVEN-NOLSEN, D. *Haemophilus influenzae*, a time-course study for the changes in  $\beta$ -adrenoceptor function and number in guinea-pig lung
- 6P BRODDE, O.-E., O'HARA, N., REIDEMEISTER, J. Chr., ROHM, N. & ZERKOWSKI, H.-R. Properties of human cardiac  $\beta$ -adrenoceptor-coupled adenylate cyclase
- 7P ALLELY, MAXINE & UNGAR, A. The effect of thyroid state on the responses of conscious dogs to propranolol, sotalol and nadolol
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- 10P BROWN, R.A., FARMER, J.B., HALL, J., HUMPHRIES, R.G., O'CONNOR, S.E. & SMITH, G.W. FPL 60278, a novel agonist at peripheral dopamine receptors and  $\beta_2$ -adrenoceptors: cardiovascular effects in the dog
- 11P DOCHERTY, J.R. An examination of pre- and postsynaptic  $\alpha$ -adrenoceptors in spontaneously hypertensive rats
- 12P PACIOREK, P.M. & SHEPPERSON, N.B. Selectivity of WY 26392 and yohimbine for pre-junctional  $\alpha_2$ -adrenoceptors in the anaesthetised dog
- 13P CAVERO, I., LEFEVRE-BORG, FRANCOISE, & MANOURY, Ph. Alfuzosin (SL 77.499), a new antihypertensive agent with a peripheral site of action: I. *in vivo* pharmacological studies
- 14P CAVERO, I., GALZIN, ANNE-MARIE, LANGER, S.Z., LEFEVRE-BORG, FRANCOISE, MANOURY, Ph. & PIMOULE, CARMEN. Alfuzosin (SL 77 499), a new anti-hypertensive agent with a peripheral site of action: II. *in vitro* pharmacological studies
- 15P SHEPPERSON, N.B. Enhancement by  $\alpha_2$ -adrenoceptor agonists of responses mediated via  $\alpha_1$ -adrenoceptors

*The author who intended to present the work is indicated by an asterisk (\*) on the abstract*

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- 20P BORKOWSKI, K.R., COLLIS, M.G. & QUINN, P. Adrenaline enhances vasoconstrictor responses evoked by adrenergic nerve stimulation in the rat isolated perfused kidney
- 21P MOLLOY, A.G., O'BOYLE, K.M. & WADDINGTON, J.L. The D<sub>1</sub> dopamine antagonist SCH 23390, but not a D<sub>2</sub> antagonist, blocks responsiveness to the D<sub>1</sub> agonist R-SK & F 39393
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- 36P BLURTON, P.A., BROADHURST, A.M., CROSS, J.A., ENNIS, C., WOOD, M.D. & WYLLIE, M.G. Panuramine: a selective inhibitor of 5-HT uptake
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- 49P BAKER, S., FLOCKHART, I.R., MARSHALL, I., TULLOCH, I.F. & WALTER D.S. Locus coeruleus lesions abolish feedback of noradrenaline onto 'presynaptic'  $\alpha_2$ -adrenoceptors in rat cerebral cortex
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- 51P BIZIERE, K., GUEUDET, C., KAN, J.P., SOUILHAC, J. & WORMS, P. Atypical dopaminergic profile of minaprine, a new antidepressant drug
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- 53P JENNER, P., KELLY, E. & MARSDEN, C.D. Modulation of [<sup>3</sup>H]-5HT and [<sup>3</sup>H]-GABA release from slices of rat substantia nigra by dopamine and dopamine agonists
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- 72P ARMSTRONG, ROMA, A., JONES, R.L., PEESAPATI, V., WILL, S. G. & WILSON, N.H. Effect of the thromboxane receptor antagonist EP 092 on the early phase of endotoxin shock in the sheep
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- 122P JENNER, P., MARSDEN, C.D. & RUPNIAK, N.M.J. Nomifensine induces an exaggerated stereotyped response in rats receiving continuous haloperidol intake for 20 months
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- 143P MITCHELL, R. & WILSON, L. Selective effects of GABA on putative subtypes of benzodiazepine receptors in rat cerebellar and hippocampal membranes
- 144P ELOI, L., GRÜNFELD, J.P., MOURA, A.M. & WORCEL, M. Glucocorticoid induced hypertension in rats: *ex vivo* effects of RU 38486 on altered ionic fluxes from vascular smooth muscle
- 145P LAFI, M.A.K. & LEAKE, L.D. Octopamine actions and its interactions with noradrenaline on the rat vas deferens
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- 150P DUVAL, N., HICKS, P.E. & LANGER, S.Z. Dopamine stimulates post-synaptic  $\alpha_2$ -adrenoceptors in the femoral but not the renal vascular bed of the anaesthetised dog
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- 153P COLLETT, A.R., RAND, M.J. & STORY, D.F. Desensitization of nicotinic-evoked catecholamine release from the rabbit adrenal gland
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## D E M O N S T R A T I O N S

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| <p>192P    ARUNDEL, P.A., BILSKI, A.J.T.<br/>               &amp; THOMSON, D.S. A new photo-<br/>               metric method for quantifying<br/>               erythema induced by UV-B<br/>               irradiation</p> | <p>193P    DAVIES, J.A., MARSHALL, R.W. &amp;<br/>               SPARKS, M. A microcomputer<br/>               system for long-term monitoring<br/>               and analysis of locomotor act-<br/>               ivity</p> |
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## C O N T R I B U T I O N S     B Y     T I T L E     O N L Y

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| <p>194P    ATTERWILL, C.K. &amp; NUTT, D.J.<br/>               Thyroid hormones do not alter<br/>               rat brain benzodiazepine<br/>               receptor function <i>in vivo</i></p> <p>      HARDY, C.C., HOLGATE, S.T.,<br/>               ROBINSON, C. &amp; TATTERSFIELD,<br/>               A.E. Inhaled prostaglandin<br/>               D<sub>2</sub> produces bronchoconstric-<br/>               tion in man</p> | <p>      BOYCE, S., JENNER, P., KELLY,<br/>               E., MARSDEN, C.D. &amp; REAVILL, C.<br/>               Chronic administration of N-<br/>               methyl-1,2,5,6-tetrahydro-<br/>               pyridine to rats is not toxic<br/>               to striatal dopamine neurones</p> |
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