## British Journal of Pharmacology

## **PAPERS**

- 635 BENOIT, E., CARRATÙ, M.R. & MITOLO-CHIEPPA, D. Interactions between molecules of a steroid anaesthetic (alphaxalone) and ionic channels of nodal membrane in voltage-clamped myelinated nerve fibre
- 647 DONNERER, J. & LEMBECK, F. Neonatal capsaicin treatment of rats reduces ACTH secretion in response to peripheral neuronal stimuli but not to centrally acting stressors
- 653 SCOTT, R.H., McGUIRK, S.M. & DOLPHIN, A.C. Modulation of divalent cation-activated chloride ion currents
- 663 DAFFONCHIO, L., PAYNE, A.N., LEES, I.W. & WHITTLE, B.J.R. Immediate anaphylactic bronchoconstriction induces airway hyperreactivity in anaesthetized guinea-pigs
- 669 WESSLER, I. & ANSCHÜTZ, S. β-Adrenoceptor stimulation enhances transmitter output from the rat phrenic nerve
- 675 DEVILLIER, P., ADVENIER, C., DRAPEAU, G., MARSAC, J. & REGOLI, D. Comparison of the effects of epithelium removal and of an enkephalinase inhibitor on the neurokinin-induced contractions of guinea-pig isolated trachea
- 685 MICHEL, M.C., PINGSMANN, A., BECKERINGH, J.J., ZERKOWSKI, H.-R., DOETSCH, N. & BRODDE, O.-E. Selective regulation of  $\beta_1$  and  $\beta_2$ -adrenoceptors in the human heart by chronic  $\beta$ -adrenoceptor antagonist treatment
- 693 DUNN, G., KOSHIKAWA, N., DURCAN, M.J. & CAMPBELL, I.C. An examination of experimental design in relation to receptor binding assays
- 699 MACKENZIE, I., KIRKPATRICK, K.A. & BUR-NSTOCK, G. Comparative study of the actions of AP<sub>5</sub>A and α, β-methylene ATP on nonadrenergic, noncholinergic neurogenic excitation in the guinea-pig vas deferens
- 707 EKSTRÖM, J., HÁKANSON, R., MÁNSSON, B. & TOBIN, G. Tachykinin involvement in parasympathetic nerve-evoked salivation of the ferret
- 713 ISHAC, E.J.N. & DE LUCA, A. The influence of activation or inhibition of protein kinase C on the release of radioactivity from rat isolated atria labelled with [3H]-noradrenaline
- 721 KARWATOWSKA-PROKOPCZUK, E., CIABAT-TONI, G. & WENNMALM, Å. Effect of adenosine on the formation of prostacyclin in the rabbit isolated heart

- 729 McCAIG, D.J. & RODGER, I.W. Effects of leukotriene D<sub>4</sub> on the mechanical and electrical properties of guinea-pig isolated trachealis
- 737 GUILD, S., FREY, E.A., POCOTTE, S.L. & KEBA-BIAN, J.W. Adenosine 3',5'-cyclic monophosphate-mediated enhancement of calcium-evoked prolactin release from electrically permeabilised 7315c tumour cells
- 745 KEERY, R.J. & LUMLEY, P. AH6809, a prostaglandin DP-receptor blocking drug on human platelets
- 755 TUTTLE, R.S., YAGER, J. & NORTHRUP, N. Age and the antihypertensive effect of aspirin in rats
- 759 BROOKS, D.P., KOSTER, P.F., STASSEN, F.L., ALBRIGHTSON, C.R., HUFFMAN, W.F., WAS-SERMAN, M.A. & KINTER, L.B. Flushing and haemodynamic responses to vasopressin peptides in the rhesus monkey
- 765 HAWGOOD, B.J., SMITH, I.C.H. & STRONG, P.N. Early induction by crotoxin of biphasic frequency changes and giant miniature endplate potentials in frog muscle
- 773 BARR, R.M., KORO, O., FRANCIS, D.M., BLACK, A.K., NUMATA, T. & GREAVES, M.W. The release of prostaglandin D<sub>2</sub> from human skin in vivo and in vitro during immediate allergic reactions
- 781 SZABO, B., HEDLER, L., SCHURR, C. & STARKE, K. Peripheral sympatho-inhibitory cardiovascular effects of opioid peptides in anaesthetized rabbits
- 789 AHN, H.Y. & KARAKI, H. Inhibitory effects of procaine on contraction and calcium movement in vascular and intestinal smooth muscles
- 797 TREHERNE, J.M. & YOUNG, J.M. [+H]-(+)-N-methyl-4-methyldiphenhydramine, a quaternary radioligand for the histamine H<sub>1</sub>-receptor
- 811 TREHERNE, J.M. & YOUNG, J.M. Temperaturedependence of the kinetics of the binding of [3H]-(+)-N-methyl-4-methyldiphenhydramine to the histamine H<sub>1</sub>-receptor: comparison with the kinetics of [3H]mepyramine
- 823 ALLEN, J.M., McCARRON, J.G., McHALE, N.G. & THORNBURY, K.D. Release of [3H]-noradrenaline from the sympathetic nerves to bovine mesenteric lymphatic vessels and its modification by α-agonists and antagonists
- HEY, J.A., ITO, T. & KOSS, M.C. α-Methyldopa produces mydriasis in the rat by stimulation of CNS α,-adrenoceptors

- 839 ROWAN, E.G. & HARVEY, A.L. Potassium channel blocking actions of  $\beta$ -bungarotoxin and related toxins on mouse and frog motor nerve terminals
- 848 DONNERER, J., YAN, Z. & LEMBECK, F. Effects of clonidine and yohimbine on a C-fibre-evoked blood pressure reflex in the rat
- 853 TAYLOR, S.G., SOUTHERTON, J.S., WESTON, A.H. & BAKER, J.R.J. Endothelium-dependent effects of acetylcholine in rat aorta: a comparison with sodium nitroprusside and cromakalim
- 864 WAHLSTRÖM, A., PACIFICI, G.M., LINDSTRÖM, B., HAMMAR, L. & RANE, A. Human liver morphine UDP-glucuronyl transferase enantioselectivity and inhibition by opioid congeners and oxazepam
- 871 ERECIŃSKA, M., NELSON, D. & SILVER, I.A. Interactions of benztropine, atropine and ketamine with veratridine-activated sodium channels: effects on membrane depolarization, K<sup>+</sup>-efflux and neutrotransmitter amino acid release
- 882 HISHINUMA, S. & UCHIDA, M.K. Short-term desensitization of guinea-pig taenia caecum induced by carbachol occurs at intracellular Ca stores and that by histamine at H<sub>1</sub>-receptors
- 890 BOGNAR, I.T., PALLAS, S., FUDER, H. & MUS-CHOLL, E. Muscarinic inhibition of [3H]-noradrenaline release on rabbit iris in vitro: effects of stimulation conditions on intrinsic activity of methacholine and pilocarpine
- 901 OTTOSSON, A., JANSEN, I. & EDVINSSON, L. Characterization of histamine receptors in isolated human cerebral arteries
- 908 VAN OOSTERHOUT, A.J.M., WOUTERSEN-VAN NIJNANTEN, F.M.A., FOLKERTS, G. & NIJKAMP, F.P. Effects of anterior hypothalamic lesions and shamoperations on bacterial endotoxin-induced non-specific airway hyperreactivity in vivo and in vitro

- 917 OHUCHI, K., SUGAWARA, T., WATANABE, M., HIRASAWA, N., TSURUFUJI, S., FUJIKI, H., CHRISTENSEN, S.B. & SUGIMURA, T. Analysis of the stimulative effect of thapsigargin, a non-TPA-type tumour promoter, on arachidonic acid metabolism in rat peritoneal macrophages
- 924 STAMFORD, J.A., KRUK, Z.L. & MILLAR, J. Actions of dopamine antagonists on stimulated striatal and limbic dopamine release: an *in vivo* voltammetric study
- 993 McDOWELL, J. & KITCHEN, I. Perinatal lead exposure alters the development of  $\delta$  but not  $\mu$ -opioid receptors in rat brain
- 938 HOLROYDE, M.C. & NORRIS, A.A. The effect of ozone on reactivity of upper and lower airways in guinea-pigs
- 947 BARLOW, R.B., SHEPHERD, M.K., TYDEMAN, H. & VEALE, M.A. The affinity of some acetylenic analogues of 4-DAMP methobromide for muscarinic receptors in guinea-pig ileum and atria
- 952 PERNOW, J., KAHAN, T. & LUNDBERG, J.M. Neuropeptide Y and reserpine-resistant vasoconstriction evoked by sympathetic nerve stimulation in the dog skeletal muscle
- 961 DALZIEL, H.H. & SNEDDON, P. The mechanism of action of AMP-induced inhibition of sympathetic neurotransmission in the isolated vas deferens of the rat and guinea-pig
- 968 HARBORNE, A.J. & SMITH, M.E. Effect of soluble factors from nerve and muscle on α-bungarotoxin binding sites in isolated sarcolemmal membranes of the
- 977 RANDALL, M.D. & HILEY, C.R. Effect of phenobarbitone pretreatment upon endothelium-dependent relaxation to acetylcholine in rat superior mesenteric arterial bed

**MEETINGS CALENDAR** 

The Indices to Volumes 93 and 94 together with the Cumulative Contents will be published with the December 1988 issue