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- STANLEY J. SZEFLER, CARL K. EDWARDS, III, CHRISTOPHER HASLETT, NANCY R. ZAHNISER, JERRY A. MILLER and PETER M. HENSON 1589 Effects of cell isolation procedures and radioligand selection on the characterization of human leukocyte β -adrenergic receptors
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- RICHARD F. BRANDA, JAN K. CARNEY, CAROL A. PERLMUTTER, ANN L. MOORE and JOHN J. MCCORMACK 1605 Inhibition of lymphocyte nucleic acid metabolism and antibody production by trimetrexate
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- WOLFGANG DOPPLER, JOHANN HOFMANN, KARL MALY and HANS GRUNICKE 1645 Amiloride and 5-N,N-dimethylamiloride inhibit the carrier mediated uptake of choline in Ehrlich ascites tumor cells
- HERVÉ DUPONT, DONALD S. DAVIES and MARGHERITA STROLIN-BENEDETTI 1651 Inhibition of cytochrome P-450-dependent oxidation reactions by MAO inhibitors in rat liver microsomes
- FRANCIS M. SIROTNAK, LYDIA J. GOUTAS, DONNA M. JACOBSEN, LAURIE S. MINES, JOSÉ R. BARRUECO, YVETTE GAUMONT and ROY L. KISLIUK 1659 Carrier-mediated transport of folate compounds in L1210 cells. Initial rate kinetics and extent of duality of entry routes for folic acid and diastereomers of 5-methyltetrahydrohomofolate in the presence of physiological anions
- TERRY D. LINDSTROM, GARY W. WHITAKER and RICHARD P. PIOCH 1669 Inhibition of microsomal biotransformation by a series of nitrogen and oxygen heterocyclic histamine H_2 -antagonists
- NORMAN J. ROBICHAUD and ROBERT J. FRAM 1673 Potentiation of ara-C induced cytotoxicity by hydroxy-urea in LoVo colon carcinoma cells
- BRIAN SABOL, ROBERT BOLDRY, TAHIRA FAROOQUI, YU AN CHANG, DUANE MILLER and NORMAN URETSKY 1679 Effect of permanently charged and uncharged dopaminergic agonists on the potassium-induced release of [3H]acetylcholine from striatal slices
- KAREN G. ROTHBERG, PATRICIA L. MORRIS and JAMES S. DOUGLAS 1687 Characterization of cholinergic muscarinic receptors in cow tracheal muscle membranes. Effect of maturation
- KENNETH A. JACOBSON, DIETER UKENA, WILLIAM PADGETT, KENNETH L. KIRK and JOHN W. DALY 1697 Molecular probes for extracellular adenosine receptors
- RAYMOND S. L. CHANG, VICTOR J. LOTTI and TSING B. CHEN 1709 Characterization of [3H]($\pm$)-L-364,718 binding to solubilized cholecystokinin (CCK) receptors of rat pancreas

- KEIKO NAMBU, HISASHI MIYAZAKI, 1715 Enzymatic hydrolysis of haloperidol decanoate and its inhibition by proteins
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- DEBORAH DEWAR, PETER JENNER 1738 Effects of opioid agonist drugs on the *in vitro* release of
and C. DAVID MARSDEN ³H-GABA, ³H-dopamine and ³H-5HT from slices of rat
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- MARTIN M. BEDNAR, 1741 Arachidonic acid monooxygenase and lipoxygenase
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- JERRY D. JOHNSON, 1747 Effect of pentobarbital on cyanide-induced tremors in
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- GRETEL S. LAMONT and 1750 Effect of 3-aminobenzamide on the frequency of antigen
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- Announcements** 1754

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- BRUCE S. McEWEN 1755 Glucocorticoid-biogenic amine interactions in relation to
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- DAVID A. COONEY, 1765 Initial studies on the cellular pharmacology of 2',3'-di-
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- ANAT ERDREICH and 1775 The possible involvement of the phospholipid phase of
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- TORU EGASHIRA, RITSUKO TAKANO 1781 Modulation of neuronal MAO activity, 5-HT uptake and
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ALBRECHT WENDEL and GISA TIEGS	1867	Leukotriene D ₄ mediates galactosamine/endotoxin-induced hepatitis in mice

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MOHAMED-BASSEM A. ASHOUR and BRUCE D. HAMMOCK	1869	Substituted trifluoroketones as potent, selective inhibitors of mammalian carboxylesterases
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- TODD M. SAVARESE, ANTHONY J. CANNISTRA, ROBERT E. PARKS, JR., JOHN A. SECRIST III, ANITA T. SHORTNACY and JOHN A. MONTGOMERY 1881 5'-Deoxy-5'-methylthioadenosine phosphorylase—IV. Biological activity of 2-fluoroadenine-substituted 5'-deoxy-5'-methylthioadenosine analogs
- A. NAGGI, G. TORRI, B.-CASU, J. PANGRAZZI, M. ABBADINI, M. ZAMETTA, M. B. DONATI, J. LANSSEN and J. P. MAFFRAND 1895 "Supersulfated" heparin fragments, a new type of low-molecular weight heparin. Physico-chemical and pharmacological properties
- ALBERTO CORSINI, FRANCO BERNINI, GIULIANA CIGHETTI, MAURIZIO SOMA, GIOVANNI GALLI and REMO FUMAGALLI 1901 Lipophilic β -adrenoceptor antagonists stimulate cholesterol biosynthesis in human skin fibroblasts
- JAMES M. ONODA, THEODOR BRAUN and SIMEON M. WRENN, JR. 1907 Characterization of the purine-reactive site of the rat testis cytosolic adenylate cyclase
- GERALD W. DORN II, RONALD M. BURCH, PAMELA J. KOCHER, DALE E. MAIS and PERRY V. HALUSHKA 1913 Decrease in agonist affinity for human platelet thromboxane A_2 /prostaglandin H_2 receptors induced by a platelet-derived supernatant
- KIMIKO HIRAYAMA, AKIRA YASUTAKE and MASAYASU INOUE 1919 Effect of sex hormones on the fate of methylmercury and on glutathione metabolism in mice
- ZAHID H. SIDDIK, DAVID R. NEWELL, FRANCES E. BOXALL and KENNETH R. HARRAP 1925 The comparative pharmacokinetics of carboplatin and cisplatin in mice and rats
- CHIAKI KAMEI, YUKIO SUGIMOTO and KENJI TASAKA 1933 The effects of cephem antibiotics and related compounds on the aldehyde dehydrogenase in rat liver mitochondria
- JOHN M. LACKIE and ANTHONY J. LAWRENCE 1941 Signal response transduction in rabbit neutrophil leucocytes. The effects of exogenous phospholipase A2 suggest two pathways exist
- MASANORI INAMASU, TETSUYA TOTSUKA, TOMIHIRO IKEO, TAKU NAGAO and SHIGEYUKI TAKEYAMA 1947 β $_1$ -adrenergic selectivity of the new cardiotonic agent denopamine in its stimulating effects on adenylate cyclase
- PETER C. DEDON and RICHARD F. BORCH 1955 Characterization of the reactions of platinum antitumor agents with biologic and nonbiologic sulfur-containing nucleophiles
- GEORGE H. LAMBERT, HELEN W. LIETZ and ALVIN N. KOTAKE 1965 Effects of pregnancy on the cytochrome P-450 system in mice
- YOUZHUANG TAN, LARRY K. KEEFER and CHUNG S. YANG 1973 Inhibition of microsomal *N*-nitrosodimethylamine demethylase by diethyl ether and other anesthetics
- TSUTOMU SHIMADA and SEI-ICHI NAKAMURA 1979 Cytochrome P-450-mediated activation of procarcinogens and promutagens to DNA-damaging products by measuring expression of *umu* gene in *Salmonella typhimurium* TA 1535/pSK 1002
- PAUL SCHAEFFER, CLAIRE LUGINER, ANNY FOLLENIUS-WUND, DOMINIQUE GERARD and JEAN-CLAUDE STOCLET 1989 Comparative effects of calmodulin inhibitors on calmodulin's hydrophobic sites and on the activation of cyclic nucleotide phosphodiesterase by calmodulin
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- YOSHIO KERA, HELMUTH W. SIPPEL, KAI E. PENTTILÄ and KAI O. LINDROS 2003 Acinar distribution of glutathione-dependent detoxifying enzymes. Low glutathione peroxidase activity in perivenous hepatocytes

SHOSUKE ITO, TOSHIAKI KATO, KIICHI ISHIKAWA, TSUTOMU KASUGA and KOWICHI JIMBOW	2007	Mechanism of selective toxicity of 4-S-cysteinylphenol and 4-S-cysteaminylphenol to melanocytes
MICHAEL G. HUMPHREYS-BEHER	2013	Elimination of isoproterenol-induced proline rich protein biosynthesis in rat salivary glands after adult thyroidectomy
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MARC LANGE, PIERRE-YVES ABECASSIS and PETER FRANCIS HUNT	2037	Monoclonal antibodies specific for 1-4 benzodiazepines
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DAVID A. SCOTT, GRAHAM H. COOMBS and BARBARA E. SANDERSON	2043	Effects of methotrexate and other antifolates on the growth and dihydrofolate reductase activity of leishmania promastigotes
ARNAUD LEGUICHER, FRANÇOISE BEAUGÉ and ROGER NORDMANN	2045	Concomitant changes of ethanol partitioning and disordering capacities in rat synaptic membranes
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Additions and Corrections	2053	Antiviral activity of 2',3'-dideoxycytidin-2'-ene (2',3'-dideoxy-2',3'-didehydrocytidine) against human immunodeficiency virus <i>in vitro</i> . Vol. 36 (1987) 311-316 <i>Tai-Shun Lin, Raymond F. Schinazi, Ming S. Chen, Elaine Kinney-Thomas and William H. Prusoff</i>
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MARVIN C. PANKASKIE and DANIELLE D. LAKIN	2063	Analogues of 9-deazaadenosine: potent inhibitors of methylthioadenosine phosphorylase

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R. VAN DE STRAAT, J. DE VRIES, A. J. J. DEBETS and N. P. E. VERMEULEN	2065	The mechanism of prevention of paracetamol-induced hepatotoxicity by 3,5-dialkyl substitution. The roles of glutathione depletion and oxidative stress
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- PHILLIP J. ROBINSON and PETER R. DUNKLEY 2203 Altered protein phosphorylation in intact rat cortical synaptosomes after *in vivo* administration of fluphenazine
- JOEL E. WRIGHT, ANDRE ROSOWSKY, DAVID J. WAXMAN, DOROTHY TRITES, CAROL A. CUCCHI, JENNIFER FLATOW and EMIL FREI III 2209 Metabolism of methotrexate and γ -*tert*-butyl methotrexate by human leukemic cells in culture and by hepatic aldehyde oxidase *in vitro*
- PAULINE C. JOHNSTON, IAN H. STEVENSON and DAVID S. HEWICK 2215 The influence of digoxin-specific antibody fragments on digoxin disposition in the rat
- SALIL K. DAS, MATTHEW O. SIKPI and PHIL SKOLNICK 2221 Characterization of [3 H]Ro5-4864 binding to "peripheral" benzodiazepine receptors in guinea pig alveolar type II cells
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- BALVANT R. SITARAM, LYNN LOCKETT, GRAEME L. BLACKMAN and WILLIAM R. MCLEOD 2235 Urinary excretion of 5-methoxy-*N,N*-dimethyltryptamine, *N,N*-dimethyltryptamine and their *N*-oxides in the rat
- STEPHEN A. WARD, GEORGE W. MIHALY, DEBORAH D. NICHOLL, ALASDAIR M. BRECKENRIDGE and GEOFFREY EDWARDS 2238 The pharmacokinetics of (+)- and (-)-primaquine in the isolated perfused rat liver preparation

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- JACOBUS A. A. SWART and JAKOB KORF 2241 *In vivo* dopamine receptor assessment for clinical studies using positron emission tomography

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- SUSAN R. DOCTROW and JOHN M. LOWENSTEIN 2255 Inhibition of phosphatidylinositol kinase in vascular smooth muscle membranes by adenosine and related compounds
- STEWART N. ABRAMSON, ROBERT G. L. SHORR and PERRY B. MOLINOFF 2263 Interactions of β -adrenergic receptors with a membrane protein other than the stimulatory guanine nucleotide-binding protein
- AVIVA GAMLIEL, GABRIEL SCHREIBER and ASHER SHAINBERG 2271 Synergistic inhibition by trifluoperazine and phencyclidine of carbamylcholine-induced cation influx in muscle cultures

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