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- R. J. SODHA, VIVETTE GLOVER
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- MARIO COLUCCI, FEDERICA DELAINI, GERMANA DE BELLIS VITTI, DANIELA LOCATI, ANDREINA POGGI, NICOLA SEMERARO and MARIA BENEDETTA DONATI 1689 Warfarin inhibits both procoagulant activity and metastatic capacity of Lewis Lung Carcinoma cells. Role of vitamin K deficiency
- JÖRG-M. CHEMNITIUS, KARL-H. HASELMEYER and RONALD ZECH 1693 Brain cholinesterases. Differentiation of target enzymes for toxic organophosphorus compounds
- MARCUS THELEN and ALBRECHT WENDEL 1701 Drug-induced lipid peroxidation in mice—V. Ethane production and glutathione release in the isolated liver upon perfusion with acetaminophen
- MICHAEL J. FINNEN, SAM SHUSTER, CLIFF M. LAWRENCE and MICHAEL D. RAWLINS 1707 Aryl hydrocarbon hydroxylase activity and psoriasis
- MO-YIN CHAN and FRANCIS HUNG 1713 A study on the effects of chlorpromazine and desipramine on rat adrenal steroidogenesis and cholesterol esterase activity
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- JORGE L. GONZALEZ-CALVIN, JOHN B. SAUNDERS and ROGER WILLIAMS 1723 Effects of ethanol and acetaldehyde on hepatic plasma membrane ATPases
- LIONEL SCHNUR, URIEL BACHRACH, GIDON BAR-AD, MILAN HARAN, ZEV TASHMA, MICHAEL TALMI and JOSHUA KATZENDLER 1729 The effect of diaminoalkyl-anthraquinone derivatives on the growth of the promastigotes of *Leishmania tropica minor*, *L. t. major*, *L. donovani* and *L. aethiopica*
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- RUPERT FAUSTER, ULRICH HONEGGER and ULRICH WIESMANN 1737 Inhibition of phospholipid degradation and changes of the phospholipid-pattern by desipramine in cultured human fibroblasts
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- ANDREAS REYMANN, WALTER BRAUN and JOACHIM DRÄGER 1759 Effects of DDT and dieldrin on intestinal glucose transport and brush border hydrolases. A comparison with phenobarbital and methylcholanthrene

- M. J. H. GEELLEN 1765 Mechanisms responsible for the inhibitory effects of benfluorex on hepatic intermediary metabolism
- DAVID ROSS, PETER B. FARMER, ANDREAS GESCHER, JOHN A. HICKMAN and MICHAEL D. THREADGILL 1773 The formation and metabolism of *N*-hydroxymethyl compounds-III. The metabolic conversion of *N*-methyl and *N,N*-dimethylbenzamides to *N*-hydroxymethyl compounds
- F. OESCH, A. ZIMMER and H. R. GLATT 1783 Microsomal epoxide hydrolase in different rat strains
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- JIRO HARATA, MINORU NAGATA, EMI SASAKI, ISAO ISHIGURO, YOSHIJI OHTA and YOSHIHITO MURAKAMI 1795 Effect of prolonged alcohol administration on activities of various enzymes scavenging activated oxygen radicals and lipid peroxide level in the liver of rats
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- WON SICK WOO, KUK HYUN SHIN and CHUNG KYU LEE 1800 Effect of naturally occurring coumarins on the activity of drug metabolizing enzymes
- CHHANDA MITRA and S. R. GUHA 1803 Shift in double-sigmoid MAO inhibition patterns in oxygen-saturated reaction mixture
- MAGALI WAELEBROECK, PATRICK ROBBERECHT, JEAN CHRISTOPHE, PIERRE CHATELAIN, ANH NGUYEN HUU and JOSEPH ROBA 1805 Effects of a chemical sympathectomy on cardiac muscarinic receptors in normotensive (WKY) and spontaneously hypertensive (SHR) rats
- T. LOCCI-CUBEDDU and E. BERGAMINI 1807 Effects of antilipolytic agents on peroxisomal β -oxidation of fatty acids in rat liver

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- KARINE WILM and ANDRÉ J. C. STAHL 1825 Effects of econazole nitrate on yeast cells and mitochondria
- M. DELHAYE, G. TATON, J. C. CAMUS, P. CHATELAIN, P. ROBBERECHT, M. WAELEBROECK and J. CHRISTOPHE 1831 Effects of full and partial β -adrenergic agonists and antagonists on human lung adenylate cyclase
- BARTON A. KAMEN, WENDY WHYTE-BAUER and JOSEPH R. BERTINO 1837 A mechanism of resistance to methotrexate. NADPH but not NADH stimulation of methotrexate binding to dihydrofolate reductase.
- THOMAS D. BOYER, WILLIAM C. KENNEY and DAVID ZAKIM 1843 Structural, functional and hybridization studies of the glutathione *S*-transferases of rat liver

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KAREN LEUBE and DIETRICH O. R. KEPPLER	1865	Combined action of acivicin and D-galactosamine on pyrimidine nucleotide metabolism in hepatoma cells
DANIEL MANSUY and MARC FONTECAVE	1871	Reduction of benzyl halides by liver microsomes. Formation of 478 nm-absorbing α -alkyl-ferrocene cytochrome P-450 complexes
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D. M. TURNBULL, A. J. BONE, K. BARTLETT, P. P. KOUNDAKJIAN and H. S. A. SHERRATT	1887	The effects of valproate on intermediary metabolism in isolated rat hepatocytes and intact rats
MOHAMED HAMZA, JACQUES LLOVERAS, GÉRARD RIBBES, GEORGES SOULA and LOUIS DOUSTE-BLAZY	1893	An <i>in vitro</i> study of hemicholinium-3 on phospholipid metabolism of Krebs II ascites cells
HUBERT WIENER, PETER KRIVANEK and NORBERT KOLASSA	1899	Metabolism and disposition of 2',3'-di-O-nitro-adenosine-5'-(N-ethyl-carboxamide) in dogs
TODD M. SAVARESE, DANIEL L. DEXTER, ROBERT E. PARKS, JR. and JOHN A. MONTGOMERY	1907	5'-deoxy-5'-methylthioadenosine phosphorylase-II. Role of the enzyme in the metabolism and antineoplastic action of adenine-substituted analogs of 5'-deoxy-5'-methylthioadenosine
MIKLÓS SIMONYI and ILONA FITOS	1917	Stereoselective binding of a 2,3-benzodiazepine to human serum albumin. Effect of conformation on tofizopam binding
MILAD BITAR and MYRON WEINER	1921	Heme and hemoproteins in streptozotocin-diabetic female rats
YOHKAZU MATSUSHIMA and MUNEKAZU GEMBA	1929	Dissipation by tetraethylammonium of verapamil-stimulated <i>p</i> -aminohippurate accumulation in rat kidney cortical slices
WILLIAM C. RANDALL, JOHN J. BALDWIN, EMLEN L. CRESSON, RICHARD L. TOLMAN, ROGER M. WEPPELMAN and THOMAS F. LYON	1933	Multiple central α_2 adrenoceptors of avian and mammalian species
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SIGRUN H. STERI, GUNNAR VALDAL, SYNNØVE LYNGAAS, ERLING ODDEN, DIDRIK MALTHE-SØRENSEN and FRODE FONNUM	1941	The mechanism of soman detoxification in perfused rat liver
G. SAGER, S. NORAAS, S. JACOBSEN, Ø. STENERUD and I. AAKESSEN	1943	The influence of filtrability on β -adrenergic ligand binding to membrane fragments from human erythrocytes and mononuclear leucocytes
GEORG SAGER	1946	β -2 adrenergic receptors on intact human erythrocytes
JOHN M. C. GUTTERIDGE	1949	Adriamycin-iron catalysed phospholipid peroxidation: a reaction not involving reduced adriamycin or hydroxyl radicals

- JOSEPH R. MAYO, DUANE D. MILLER and DENNIS R. FELLER 1952 Stereoselective inhibition of prostaglandin-induced calcium release from platelet membranes by trimetoquinol

Preliminary Communications

- ALFRED SCHWAB, IRA WEINRYB, RICHARD MACERATU, WANDA ROGERS, JOHN SUH and ATUL KHANDWALA 1957 Inhibition of angiotensin-converting enzyme by derivatives of 3-mercapto-2-methylpropanoyl glycine

- WOLFRAM CHRIST, WILFRIED HECKER, KARIN GINDLER and GÜNTHER STILLE 1961 Phase I metabolism of imipramine by foetal liver of man and rhesus monkey

- Announcements 1965

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- EDGAR HABER 1967 Antibodies as models for rational drug design

Research Papers

- JACK A. HINSON, JOANN B. MAYS and ALEX M. CAMERON 1979 Acetaminophen-induced hepatic glycogen depletion and hyperglycemia in mice

- SUSANNA COLLI, MARINA LOMBROSO, PAOLO MADERNA, ELENA TREMOLI and SIMONETTA NICOSIA 1989 Effects of PGI₂ on platelet aggregation and adenylate cyclase activity in human type IIa hypercholesterolemia

- PREM S. CHAUDHRY, JOSÉ CABRERA, HECTOR R. JULIANI and SHAMBHU D. VARMA 1995 Inhibition of human lens aldose reductase by flavonoids, sulindac and indomethacin

- BARRY B. WOLFE and NORBERT F. VOELKEL 1999 Effects of hypoxia on atrial muscarinic cholinergic receptors and cardiac parasympathetic responsiveness

- ANNE MONKS, OVELLA AYERS and RICHARD L. CYSYK 2003 Effect of 5-benzylacetylcholine, a potent inhibitor of uridine phosphorylase, on the metabolism of circulating uridine by the isolated rat liver

- WILLIAM P. TONG, MARION C. KIRK and DAVID B. LUDLUM 2011 Mechanism of action of the nitrosoureas—V. Formation of O⁶-(2-fluoroethyl)guanine and its probable role in the crosslinking of deoxyribonucleic acid

- JAIPAUL SINGH 2017 Effects of amino acids, glucagon, insulin and acetylcholine on cyclic nucleotide metabolism and amylase secretion in isolated mouse pancreatic fragments

- PAUL H. WHITING and JOHN G. SIMPSON 2025 The enhancement of Cyclosporin A-induced nephrotoxicity by gentamicin

- SUE M. E. KENNEDY and BRIAN BURCHELL 2029 Single-step purification of epoxide hydrolase from rat liver microsomes using monoclonal-antibody chromatography

- GUIDO V. MARINETTI, STEPHEN I. ROSENFELD, PATRICIA A. THIEM, JOHN J. CONDEMI and JOHN P. LEDDY 2033 Beta-adrenergic receptors of human leukocytes. Studies with intact mononuclear and polymorphonuclear cells and membranes comparing two radioligands in the presence and absence of chloroquine

- JOHN V. KEMP, HUGH K. ADAM, ALAN E. WAKELING and ROGER SLATER 2045 Identification and biological activity of tamoxifen metabolites in human serum

- GERALD M. ROSEN, W. VANCE SINGLETARY, JR., ELMER J. RAUCKMAN and PAUL G. KILLENBERG 2053 Acetaminophen hepatotoxicity. An alternative mechanism

- GURRINDER S. BEDI, JOSEPH BALWIERCZAK and NATHAN BACK 2061 Rodent kinin-forming enzyme systems—I. Purification and characterization of plasma kininogen

- GURRINDER S. BEDI,
JOSEPH BALWIERCZAK and
NATHAN BACK 2071 Rodent kinin-forming enzyme systems—II. Purification and characterization of an acid protease from Murphy–Sturm lymphosarcoma
- SHOSUKE ITO, SHIGEKI INOUE
and KEISUKE FUJITA 2079 The mechanism of toxicity of 5-S-cysteinyl-dopa to tumour cells. Hydrogen peroxide as a mediator of cytotoxicity
- A. ERMAN, R. AZURI and
A. RAZ 2083 Phospholipase A₂ inhibitors. Differential inhibition of fatty acid acylation into kidney lipids by mepacrine and *p*-bromophenacyl bromide
- ADRIANA BAEZ,
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- R. KRISHNAN KUTTY and
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