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# **The BIOCHEMICAL JOURNAL**

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General ligands in affinity chromatography. Co-factor-substrate elution of enzymes bound to the immobilized nucleotides adenosine 5'-monophosphate and nicotinamide-adenine dinucleotide.

By K. Mosbach, H. Guilford, R. Ohlsson & M. Scott

Lipid composition of membranes of amine-storage organelles.

By M. Da Prada, A. Pletscher & J. P. Tranzer

The quantitative determination of phenylalanine hydroxylase in rat tissues. Its developmental formation in liver.

By M. M. McGee, O. Greengard & W. E. Knox

Liver phenylalanine hydroxylase activity in relation to blood concentrations of tyrosine and phenylalanine in the rat.

By M. M. McGee, O. Greengard & W. E. Knox

The oligosaccharide units of rabbit immunoglobulin G. Multiple carbohydrate attachment sites.

By M. W. Fanger & D. G. Smyth

The oligosaccharide units of rabbit immunoglobulin G. Asymmetric attachment of the C2-oligosaccharide.

By M. W. Fanger & D. G. Smyth

Collagen heterogeneity within different growth regions of long bones of rachitic and non-rachitic chicks.

By B. P. Toole, A. H. Kang, R. L. Trelstad & J. Gross

Oestradiol inhibits collagen breakdown in the involuting rat uterus.

By J. N. Ryan & J. F. Woessner, Jr.

The nature of the collagenolytic cathepsin of rat liver and its distribution in other rat tissues.

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Effects of proteins and polynucleotides on the activity of various hydrolases.

By M. J. Palmieri & O. Koldovský

Mercaptan-induced fragmentation of a subunit-like proteolytic fragment of immunoglobulin M.

By G. M. Butchko & F. P. Inman

Effect of compounds of the urea-guanidinium class on renaturation and thermal stability of acid-soluble collagen.

By A. E. Russell & D. R. Cooper

Subcellular fractionation by zonal centrifugation of glucose-repressed anaerobically grown *Saccharomyces carlsbergensis*.

By T. G. Cartledge & D. Lloyd

Replacement of asparagine by aspartic acid in hen ovalbumin and a difference in immunochemical reactivity.

By R. L. Wiseman, J. E. Fothergill & L. A. Fothergill

Comparison of the properties of two forms of pyruvate kinase in rat liver and determination of their separate activities during development.

By M. C. Middleton & D. G. Walker

The functional significance of variants of fructose 1,6-diphosphatase in the gill and hypodermis of a marine crustacean. A kinetic study.

By P. W. Hochachka

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