

TITLES OF RELATED PAPERS IN OTHER SECTIONS

The following papers that have recently appeared in other sections of BIOCHIMICA ET BIOPHYSICA ACTA may be of interest to the readers of this specialized section:

BBA-BIOMEMBRANES

- The ($\text{Na}^+ + \text{K}^+$)-dependent ATPase in the isolated mucosal cells of turtle bladder (BBA 75397)
by Y. E. SHAMOO AND W. A. BRODSKY (New York, N.Y.) 203 (1970) 111
- Partial purification of a soluble ($\text{Na}^+ + \text{K}^+$)-dependent ATPase from rabbit kidney (BBA 75403)
by D. W. TOWLE AND J. H. COPENHAVER, JR. (Hanover, N.H.) 203 (1970) 124
- The effect of proteolytic enzymes on acetylcholinesterase activity, the sodium pump and choline transport in human erythrocytes (BBA 71046) .
by K. MARTIN (Cambridge) 203 (1970) 182

BBA-LIPIDS & LIPID METABOLISM

- Preferential loss of ATP-dependent long-chain fatty acid activating enzyme in mitochondria prepared using Nagarse (BBA 55665)
by S. V. PANDE AND M. C. BLANCHER (Winnipeg) 202 (1970) 43
- The intramitochondrial distribution of some enzymes involved in the biosynthesis of rat-liver phospholipids (BBA 55659)
by M. G. SZARZALA, L. M. G. VAN GOLDE, B. DE KRUYFF AND L. L. M. VAN DEENEN (Utrecht) 202 (1970) 106
- Phosphatidate synthesis by *sn*-glycerol-3-phosphate acyltransferase in pigeon liver particles (BBA 55649)
by D. R. HUSBANDS AND W. E. M. LANDS (Ann Arbor, Mich.) 202 (1970) 129
- Microbial hydroxylations. V. 11α -Hydroxylation of progesterone by cell-free preparations of *Aspergillus ochraceus* (BBA 55663)
by M. SHIBAHARA, J. A. MOODY AND L. L. SMITH (Galveston, Texas) 202 (1970) 172
- Effects of the polar groups of lysophospholipids upon acyltransferase activity with coenzyme A thiol esters (BBA 53246)
by M. E. DE TOMÁS AND R. R. BRENNER (La Plata) 202 (1970) 184
- Long-chain acyl-CoA synthetase in rat liver. Stimulation by high salt concentrations (BBA 55660)
by M. AAS (Oslo) 202 (1970) 250
- Cholesterol ester hydrolase in homogenates and lysosomal fractions of human aorta (BBA 55677)
by H. V. KOTHARI, M. J. BONNER AND B. F. MILLER (Philadelphia, Pa.) 202 (1970) 325

BBA-BIOENERGETICS

- A comparative study of palmitoyl-CoA synthetase activity in rat-liver, heart and gut mitochondrial and microsomal preparations (BBA 45901)
by J. W. DE JONG AND W. C. HÜLSMANN (Rotterdam) 197 (1970) 127
- The reduction of fungal laccase at high pH (BBA 45899)
by J. A. FEE, B. G. MALMSTRÖM AND T. VÄNNGÅRD (Göteborg) 197 (1970) 136
- Structural and respiratory effects of *Aghistrodon piscivorus* phospholipase A on rat liver mitochondria (BBA 45908)
by J. M. AUGUSTYN, B. PARSIA AND W. B. ELLIOTT (Buffalo, N.Y.) 197 (1970) 185
- Further studies on the NADH oxidase of the cytoplasmic membrane of *Mycobacterium tuberculosis* (BBA 45902)
by E. B. KEARNEY AND D. S. GOLDMAN (Madison, Wisc.) 197 (1970) 197
- Chloroplast inorganic pyrophosphatase (BBA 45906)
by A. M. EL-BADRY AND J. A. BASSHAM (Berkeley, Calif.) 197 (1970) 308

BBA-PROTEIN STRUCTURE

- Fluorescent probe for active site of heavy meromyosin. I. Changes in enzymic properties by labeling with 1-dimethylaminonaphthalene-5-sulfonyl chloride (BBA 35501)
by H. TAKASHINA (Nagoya) 200 (1970) 319

- Gel filtration of proteins at acid pH: Application to molecular weight estimation of myelin basic proteins (BBA 35512)
by G. E. DEIBLER, R. E. MARTENSON AND M. W. KIES (Bethesda, Md.) . . . 200 (1970) 342
- Structural studies on adenosine deaminase from calf intestinal mucosa (BBA 35511)
by J. PHELAN, F. McEVoy, S. ROONEY AND T. G. BRADY (Cork) . . . 200 (1970) 370
- Thin-layer isoelectric focusing on Sephadex layers of horseradish peroxidase (BBA 33184)
by H. DELINCÉE AND B. J. RADOLA (Karlsruhe) . . . 200 (1970) 404
- Separation of lactate dehydrogenase isozymes of nerve cells in the central nervous system by micro-disc electrophoresis on polyacrylamide gels (BBA 33192)
by H. HAZAMA AND H. UCHIMURA (Fukuoka and Saga) . . . 200 (1970) 414
- Dissociation of alkaline phosphatase from *Escherichia coli* under conditions of enzymic assay (BBA 31071)
by D. J. WINZOR (St. Lucia) . . . 200 (1970) 423

BBA-NUCLEIC ACIDS & PROTEIN SYNTHESIS

- Amino acid deprivation of human cells. Effects on RNA synthesis, RNA polymerase and ribonucleoside phosphorylation (BBA 93475)
by M. SMULSON (Washington, D.C.) . . . 199 (1970) 537
- The metabolism of adenosine 3',5'-cyclic phosphate. I. Method for the determination of adenyl cyclase and some properties of the adenyl cyclase isolated from the rat kidney (BBA 96433)
by T. DOUŠA AND I. RYCHLÍK (Prague) . . . 204 (1970) 1
- The metabolism of adenosine 3',5'-cyclic phosphate. II. Some properties of adenosine-3',5'-cyclic-phosphate phosphodiesterase from the rat kidney (BBA 96434)
by T. DOUŠA AND I. RYCHLÍK (Prague) . . . 204 (1970) 10
- Analogues de nucléosides polyphosphates. III. Action de l'adénosine-5'-phosphohypophosphate sur l'hexokinase et la valyl-tRNA synthetase (BBA 96424)
par P. REMY, J. SETONDJ1, G. DIRHEIMER ET J. P. EBEL (Strasbourg) . . . 204 (1970) 31
- Dinucleotide production by DNA polymerase (BBA 96420)
by N. KADOHAMA AND J. A. McCARTER (London, Ontario) . . . 204 (1970) 120
- Studies with the RNA polymerase. III. Enzymatic activity of the monomer form (BBA 96415)
by D. D. ANTHONY AND D. A. GOLDTHWAIT (Cleveland, Ohio) . . . 204 (1970) 156
- Purification and properties of peptidyl-tRNA hydrolase from *Escherichia coli* (BBA 96425)
by H. KÖSSEL (Freiburg i.Br.) . . . 204 (1970) 191
- Substrate specificity of ribosomal peptidyl transferase. II. 2'(3')-O-aminoacyl nucleosides as acceptors of the peptide chain in the fragment reaction (BBA 96422)
by J. ČERNA, I. RYCHLÍK, J. ŽEMLIČKA AND S. CHLÁDEK (Prague) . . . 204 (1970) 203
- Increased activity of deoxyribonuclease inhibitor in rat serum after partial hepatectomy (BBA 93498)
by N. HAYASAKI AND K. TSUKADA (Toyama) . . . 204 (1970) 255
- Isolation of a DNA ligase from phage λ C₁-infected *Escherichia coli* (BBA 93496)
by T. ANDO AND T. KOSAWA (Saitama) . . . 204 (1970) 257
- RNA polymerase activity during development of normal and hybrid amphibian embryos (BBA 93489)
by A. LIEVENS AND J. BRACHET (Rhode-St. Genèse) . . . 204 (1970) 263
- Human carbonic anhydrase B: Biosynthesis by reticulocytes *in vitro* (BBA 93497)
by J. A. EDWARDS (Buffalo, N.Y.) . . . 204 (1970) 280

BBA-GENERAL SUBJECTS

- The glutamate dehydrogenases of yeast: Extra-mitochondrial enzymes (BBA 26270)
by C. P. HOLLENBERG, W. F. RIKS AND P. BORST (Amsterdam) . . . 201 (1970) 13
- Control of pancreatic xanthine dehydrogenase synthesis in the chick (BBA 26263)
by J. L. CURTIS AND J. R. FISHER (Tallahassee, Fla.) . . . 201 (1970) 26
- The effect of aging on the multiple molecular esterase forms taken from tissues of *Periplaneta americana* (L.) (BBA 26264)
by G. W. BECKENDORF AND W. P. STEPHEN (Corvallis, Oreg.) . . . 201 (1970) 101
- Characterization of soluble esterases from the thoracic muscle of the American cockroach, *Periplaneta americana* (BBA 26265)
by W. P. STEPHEN AND I. H. CHELDELIN (Corvallis, Oreg.) . . . 201 (1970) 109
- Studies on pyruvate carboxylase in rat and human liver (BBA 26290)
by W. BRECH, E. SHRAGO AND D. WILKEN (Madison, Wisc.) . . . 201 (1970) 145
- Limitations of the enzymic-isotope dilution method for the assay of metabolites (BBA 26283)
by J. E. GANDER (St. Paul, Minn.) . . . 201 (1970) 179

- A mechanized system for the determination of ATP + ADP, 2,3-diphosphoglycerate, glucose-1,6-diphosphate and lactate in small amounts of blood cells (BBA 26266)
by J. A. LOOS AND H. H. PRINS (Amsterdam) 201 (1970) 185
- Effects of carbohydrate on glycolytic and peroxisomal enzymes in *Tetrahymena* (BBA 26278)
by M. R. LEVY AND J. J. WASMUTH (Edwardsville, Ill.) 201 (1970) 205
- Increase lymph alkaline phosphatase after fat feeding: Effects of medium chain triglycerides and inhibition of protein synthesis (BBA 26281)
by R. M. GLICKMAN, D. H. ALPERS, G. D. DRUMMEY AND K. J. ISSELBACHER (Boston, Mass.) 201 (1970) 226
- The influence of alloxan-diabetes and fasting on glycolytic and gluconeogenic enzyme activities of rat intestinal mucosa and liver (BBA 26280)
by J. W. ANDERSON AND D. ZAKIM (San Francisco, Calif.) 201 (1970) 236
- The effect of calcium ions on the adenyl cyclase of calf brain (BBA 26282)
by L. S. BRADHAM, D. A. HOLT AND M. SIMS (Little Rock, Ark.) 201 (1970) 250
- Thiol induced release of invertase from cell walls of *Saccharomyces fragilis* (BBA 26279)
by D. K. KIDBY AND R. DAVIES (Cambridge) 201 (1970) 261
- A cold-sensitive mutant of *Salmonella typhimurium* which requires tryptophan for growth at 20° (BBA 26294)
by B. HOFFMANN AND J. L. INGRAHAM (Davis, Calif.) 201 (1970) 300
- Induction of the dihydrofolate reductase of *Streptococcus faecium* var. *durans* by folic acid and some of its derivatives (BBA 26298)
by A. BLOCH (Buffalo, N.Y.) 201 (1970) 323
- The effects of Na⁺ and K⁺ on the citrate activation of prothrombin and on the esterase activities of thrombokinas (BBA 26286)
by P. S. ROBERTS (Richmond, Va.) 201 (1970) 340
- Uridine diphosphate β -glucuronic acid. A new substrate for β -glucuronidase (BBA 23556)
by I. DAS, M. A. WENTWORTH, H. IDE, H. G. SIE AND W. H. FISHMAN (Boston, Mass.) 201 (1970) 375
- N-Acetyl- β -glucosaminidase activity in regenerating rat liver (BBA 23557)
by T. SUEMATSU, N. IWABORI AND T. KOIZUMI (Osaka) 201 (1970) 378
- Autolytic enzyme from a staphylococcal mutant (BBA 23561)
by R. Z. KORMAN, H. LIS AND N. SHARON (Rehovoth) 201 (1970) 380
- Changes in the proportion of 'H' and 'M' subunits of lactate dehydrogenase in rat uterus during an oestrous cycle (BBA 23560)
by H. GALBRAITH, D. A. ROBB AND P. J. HEALD (Glasgow) 201 (1970) 391