

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-GENERAL SUBJECTS

- The β -glucosidase system of the thermophilic fungus *Chaetomium thermophile* var. *Coprophile* n. var. (BBA 27255)
by A. J. Lusis and R. R. Becker (Corvallis, Oreg.) 329 (1973) 5
- Rat anterior pituitary adenyl cyclase activity: GTP requirement of prostaglandin E_1 and E_2 and synthetic luteinising hormone activation (BBA 27248)
by D. J. Deery and S. L. Howell (London) 329 (1973) 17
- The sulphatase of ox liver. XVII. Sulphatase A as a glycoprotein (BBA 27258)
by E. R. B. Graham and A. B. Roy (Canberra) 329 (1973) 88
- Ferriprotoporphyrin and its imidazole complex in aqueous-ethanolic solution (BBA 27232)
by T. H. Davies (Pittsburgh, Pa.) 329 (1973) 108

BBA-PROTEIN STRUCTURE

- Affinity chromatography on hydroxyalkyl methacrylate gels. I. Preparation of immobilized chymotrypsin and its use in the isolation of proteolytic inhibitors (BBA 36512)
by J. Turková, O. Hubáková, M. Křiváková and J. Čoupek 322 (1973) 1
- Chemical and structural relationships of NAD^+ and platinum binding to malate dehydrogenase (BBA 36514)
by M. Wade, D. Tsernoglou, E. Hill, L. Webb and L. Babaszak (St. Louis, Mo.) 322 (1973) 124
- Studies of the metal sites of copper proteins. V. A model compound for the copper site of superoxide dismutase (BBA 36521)
by L. Morpurgo, C. Giovagnoli and G. Rotilio (Rome) 322 (1973) 204
- Reactions of ligands with heme-substituted horseradish ferropoxidases (BBA 36533)
by M. Tamura and T. Yonetani (Philadelphia, Pa.) 322 (1973) 211
- Chemical composition and hydrodynamic characteristics of turnip peroxidases (BBA 36527)
by G. Mazza, C. Job and M. Bouchet (Marseille) 322 (1973) 218
- Active unit of D-amino acid oxidase from hog kidney (BBA 36528)
by M. Huet (Paris) 322 (1973) 234
- Binding of NAD^+ to rabbit-muscle glyceraldehydephosphate dehydrogenase. The use of N-methylnicotinamidium chloride as a spectral and conformational probe (BBA 36552)
by W. Boers and J. W. Verhoeven (Amsterdam) 328 (1973) 1
- Effect of sodium dodecyl sulfate on circular dichroism and enzyme activities of carboxypeptidases A and B (BBA 36550)
by Y. Nakagawa and B. Jirgensons (Houston, Texas) 328 (1973) 42
- Structural and functional determinants of *Mucor miehei* protease. II. Circular dichroic studies on the native and periodate oxidized enzyme (BBA 36554)
by W. S. Rickert and P. A. McBride-Warren (Waterloo, 328 (1973) 52
- Studies on the fast reacting sulphhydryl group of skeletal myosin A: conversion to smooth muscle myosin type with N-ethylmaleimide treatment (BBA 36549)
by M. Yamaguchi, T. Nakamura and T. Sekine (Tokyo) 328 (1973) 154
- Isolation of elastase inhibitor from rat plasma (BBA 36553)
by Y. Miyake and T. Ito (Osaka) 328 (1973) 173

BBA-BIOENERGETICS

- Effects of ruthenium red on Ca^{2+} uptake and ATPase of sarcoplasmic reticulum of rabbit skeletal muscle (BBA 46615)
by M. G. P. Vale and A. P. Carvalho (Coimbra and New York, N.Y.) . . . 325 (1973) 29

BBA-LIPIDS & LIPID METABOLISM

- Identification of the enzymatic lesions responsible for the accumulation of acetylated sphingosine bases in the yeast *Hansenula cifferi* (BBA 51164)
by Y. Barenholz, N. Gadot, E. Valk and S. Gatt 306 (1973) 341

- Activity and some properties of choline kinase: Cholinephosphate cytidyltransferase, and cholinephosphotransferase during liver development in the rat (BBA 56328)
by P. A. Weinhold, R. S. Skinner and R.-D. Sanders (Ann Arbor, Mich.) . . . 326 (1973) 43
- Activities of lipid reesterifying enzymes in jejunal microsomes of bile fistula rats: attempts to correlate enzyme activities with microsomal phospholipid content (BBA 56357)
by J. B. Rodgers, R. Tandon and R. J. O'Brien (Albany, N.Y.) . . . 326 (1973) 52
- Steroid 1-dehydrogenation and side-chain degradation enzymes in the life cycle of *Fusarium solani* (BBA 56329)
by H. Hafez-Zedan and R. Plourde (Montreal) . . . 326 (1973) 103

BBA-BIOMEMBRANES

- Study of human red blood cell membrane using sodium deoxycholate. II. Effects of cold storage, EDTA and small deoxycholate concentrations on ATPase activities (BBA 76255)
by J. Philippot and M. H. Authier (Montpellier) . . . 298 (1973) 887
- Energy-dependent masking of substrate binding sites of the lactose permease of *Escherichia coli* (BBA 76260)
by M. Benard-Bentaboulet and A. Kepes (Paris) . . . 307 (1973) 197
- Ouabain-receptor interactions in $(\text{Na}^+ + \text{K}^+)\text{-ATPase}$ preparations from different tissues and species. Determination of kinetic constants (BBA 76303)
by E. Erdmann and W. Schoner (Giessen) . . . 307 (1973) 386
- Interaction of D- β -hydroxybutyrate dehydrogenase with lecithin vesicles (BBA 71171)
by C. S. Hexter and R. Goldman (Rehovot) . . . 307 (1973) 421
- Membrane ATPase of *Escherichia coli* K 12. Selective solubilization of the enzyme and its stimulation by trypsin in the soluble and membrane-bound states (BBA 76332)
by J. Carrier, J. A. Leal, M. Rojas and E. Muñoz (Madrid) . . . 307 (1973) 541
- Factors affecting the response of microsomal UDPglucuronyltransferase to membrane perturbants (BBA 76338)
by A. B. Graham and G. C. Wood (Glasgow) . . . 311 (1973) 45
- A study on the influence of the concentration of Mg^{2+} , P_i , K^+ , Na^+ , and Tris on $(\text{Mg}^{2+} + \text{P}_i)$ -supported g-strophanthin binding to $(\text{Na}^+ + \text{K}^+)\text{-activated ATPase}$ from ox brain (BBA 76326)
by O. Hansen and J. C. Skou (Aarhus) . . . 311 (1973) 51
- Membrane lipid fatty acids and regulation of membrane-bound enzymes: Allosteric behaviour of erythrocyte $\text{Mg}^{2+}\text{-ATPase}$, $(\text{Na}^+ + \text{K}^+)\text{ATPase}$ and acetylcholinesterase from rats fed different fat-supplemented diets (BBA 76327)
by B. Bloj, R. D. Morero, R. N. Farías and R. E. Trucco (Tucumán and Buenos Aires) . . . 311 (1973) 67
- Effects of gastric acid stimulants and inhibitors on the activities of HCO_3^- stimulated, Mg^{2+} -dependent ATPase and carbonic anhydrase in rat gastric mucosa (BBA 76341)
by S. Narumi and M. Kanno (Osaka) . . . 311 (1973) 80
- Possible role of cyclic AMP in gastric acid secretion in rat. Activation of carbonic anhydrase (BBA 76342)
by S. Narumi and Y. Maki (Osaka) . . . 311 (1973) 90
- Localization of an RNA-degrading system of enzymes on the rat liver plasma membrane (BBA 76360)
by A. Yannarell and N. N. Aronson, Jr (University Park, Pa.) . . . 311 (1973) 191
- Effects of some organic solvents on the reactivity of sodium *plus* potassium ion-transport ATPase (BBA 76357)
by C. Hegyvary (Nashville, Tenn.) . . . 311 (1973) 272
- Spin labels as enzyme substrates: Heterogeneous lipid distribution in liver microsomal membranes (BBA 76393)
by A. Stier and E. Sackmann (Göttingen) . . . 311 (1973) 400
- Studies on the cell surface maltase of the rabbit renal cortex (BBA 76387)
by F. K. Stevenson (Southampton) . . . 311 (1973) 409
- The effects of long-chain alcohols on membrane and the $(\text{Na}^+ + \text{K}^+)\text{-ATPase}$ (BBA 76371)
by C. M. Grisham and R. E. Barnett (Minneapolis, Minn.) . . . 311 (1973) 417
- Properties of ATPase of gastric mucosa. V. Preparation of membranes and mitochondria by zonal centrifugation (BBA 76369)
by J. G. Spennay, A. Strych, A. H. Price, H. F. Helander and G. Sachs (Birmingham, Ala.) . . . 311 (1973) 545
- Interaction of solubilized membrane ATPase with lipid bilayer membranes (BBA 76399)
by W. R. Redwood, D. C. Gibbes and T. E. Thompson (Charlottesville, Va. and Newark, N.J.) . . . 318 (1973) 10

- Quantitation of acetylcholinesterase and acetylcholine-binding sites in excitable membrane fragments from electric eel (BBA 76410)
by J. B. Suszkiw (Ithaca, N.Y.) 318 (1973) 69
- Kinetic studies on the inhibition of ($\text{Na}^+ + \text{K}^+$)-ATPase by diketocoriolin B (BBA 76404)
by T. Kunimoto and H. Umezawa (Tokyo) 318 (1973) 78
- ATPase in isolated membranes of *Bacillus subtilis* (BBA 76396)
by S. L. Rosenthal and A. Matheson (Davis, Calif.) 318 (1973) 252
- Properties of a ($\text{Mg}^{2+} + \text{Ca}^{2+}$)-dependent ATPase of bovine brain cortex. Effects of detergents, freezing, cations and local anesthetics (BBA 76430)
by B. D. Roufogalis (Vancouver) 318 (1973) 360
- Studies on the relationship between adenylate cyclase activity and calcium transport by cardiac sarcotubular membranes (BBA 76453)
by N. S. Dhalla, P. V. Sulakhe and D. B. McNamara (Winnipeg) 323 (1973) 276
- Phlorizin receptors in isolated kidney brush border membranes. Differential enzymatic modification of high-affinity receptors and unspecific binding sites (BBA 76468)
by H. Glossman and D. M. Neville, Jr (Bethesda, Md.) 323 (1973) 408
- A new method for making phospholipid vesicles and the partial reconstitution of the (Na^+, K^+)-activated ATPase (BBA 76479)
by J. R. Slack, B. H. Anderton and W. A. Day (London) 323 (1973) 547
- A soluble protein activator of ($\text{Mg}^{2+} + \text{Ca}^{2+}$)-dependent ATPase in human red cell membranes (BBA 76476)
by G. H. Bond and D. L. Clough (Richmond, Va.) 323 (1973) 592
- Lipid dependence of activity-temperature relationship of (Na^+, K^+)-activated ATPase (BBA 76473)
by R. Tanaka and A. Teruya (Rochester, N.Y.) 330 (1973) 584

BBA-NUCLEIC ACIDS & PROTEIN SYNTHESIS

- Sensitivity of superhelical DNA to a single-strand specific endonuclease (BBA 97619)
by A. C. Kato, K. Bartok, M. J. Fraser and D. T. Denhardt (Montreal) 308 (1973) 68
- Studies of RNA polymerase in mature avian erythrocytes (BBA 97623)
by N. M. Schechter (Durham, N.C.) 308 (1973) 129
- Isolation and partial characterization of RNA polymerase binding sites from T₄ DNA (BBA 97620)
by R. K. Ray and W. Rüger (Bochum) 308 (1973) 137
- DNA polymerase activities in agarose column fractions of rat liver cytoplasm (BBA 97682)
by R. J. Burriss Garrett and F. J. Bollum (Lexington, K.) 312 (1973) 45
- Studies on bovine pancreatic deoxyribonuclease A. I. General properties and activation with different bivalent metals (BBA 97677)
by E. Junowicz and J. H. Spencer (Montreal) 312 (1973) 72
- Studies on bovine pancreatic deoxyribonuclease A. II. The effect of different bivalent metals on the specificity of degradation of DNA (BBA 97678)
by E. Junowicz and J. H. Spencer (Montreal) 312 (1973) 85
- Partial purification of ribosomal RNA(m^1G)- and rRNA(m^2G)methylases from *Escherichia coli* and demonstration of some proteins affecting their apparent activity (BBA 97669)
by L. A. Isaksson (Uppsala) 312 (1973) 122
- Association of a ribonuclease with the 50-S ribosomal subunit of *Escherichia coli* MRE 600 (BBA 97685)
by H. Ceri and P. Y. Maeba (Manitoba) 312 (1973) 337
- Hyperproduction mutation in the dihydrofolate reductase gene of *Diplococcus pneumoniae*: Some effects on synthesis correlate with the presence of a modified enzyme form (BBA 97697)
by F. M. Sirotnak (New York, N.Y.) 312 (1973) 426
- Ultraviolet-induced changes in DNA: Possible confusion of repair and degradative enzymes (BBA 97731)
by H. Slor and T. Lev (Tel Aviv) 312 (1973) 637
- Action of single-strand specific *Neurospora crassa* endonuclease on ultraviolet light-irradiated native DNA (BBA 97728)
by A. C. Kato and M. J. Fraser (Montreal) 312 (1973) 645
- Changes in tRNAs and aminoacyl-tRNA synthetases during sea urchin development (BBA 97750)
by C. Spadafora, T. Igo-Kemenes and H. G. Zachau (München) 312 (1973) 674
- Substrate protection during selective heat inactivation of aminoacyl-tRNA synthesis and its use in enzyme studies (BBA 97726)
by R. D. Norris and L. Fowden (London) 312 (1973) 695

- Selection by T7 RNA polymerase of T7 DNA as the template for RNA synthesis (BBA 97727)
by K. Shishido (Saitama) 312 (1973) 708
- Acylation of *Escherichia coli* tRNA^{Trp} with 5-methyltryptophan by *E. coli* tryptophanyl-tRNA ligase (BBA 97732)
by M. N. Thang, R. Buckingham and L. Dondon (Paris) 312 (1973) 716
- Evidence for *de novo* synthesis of collagenase by tadpole skin explant (BBA 97729)
by Y. Nagai and H. Hori (Tokyo) 312 (1973) 742
- Degradation of transforming *Hemophilus influenzae* DNA by deoxyribonucleases (BBA 97742)
by H. Kopecka, M. R. Chevallier, A. Prunell and G. Bernardi (Paris) . . . 319 (1973) 37
- Isolation, purification and characterization of RNA polymerases from wheat germ (BBA 97754)
by J. Jendrisak and W. M. Becker (Madison, Wisc.) 319 (1973) 48
- The effect of exonuclease I on the transcription of various DNA preparations by rat liver RNA polymerase I and II (BBA 97737)
by H. Nohara T. Mituno and K. Iituka (Niigata). 319 (1973) 55
- Maturation cleavage of nucleolar rRNA precursor can be catalyzed non by-specific endonuclease (BBA 97749)
by G. Giudice, A. M. Pirrone, M. Roccheri and M. Trapani (Palermo) . . . 319 (1973) 72
- Two ribonuclease H activities from the murine myeloma MOPC-21 (BBA 97800)
by G. O'Cuinn, F. J. Persico and A. A. Gottlieb (New Brunswick, N.J.) . . 324 (1973) 78
- Acid ribonuclease from wheat germ: purification, properties and specificity (BBA 97808)
by G. Torti, S. Mapelli and C. Soave (Milan) 324 (1973) 254
- DNA dependent RNA polymerase of KB cells. I. Purification of the enzyme and transcription of viral DNA, mammalian DNA and chromatin (BBA 97821)
by G. E. Austin, L. J. Bello and J. J. Furth (Philadelphia, Pa.) 324 (1973) 488
- DNA-dependent RNA polymerase of KB cells. II. Analysis of RNA transcribed from adenovirus DNA (BBA 97822)
by G. E. Austin, L. J. Bello and J. J. Furth (Philadelphia, Pa.) 324 (1973) 501