

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

- Protein-polynucleotide scattering centres as a protein structure probe (BBA 27860)
by M.E. McDonnell and J.W. Preiss (Newark, Del., U.S.A.) 428 (1976) 275—280
- The absence of 2,3-diphosphoglycerate from myocytes, hepatocytes and adipocytes (BBA 27855)
by W.J. Reddy and A.H. Burns (Birmingham, Ala., U.S.A.) 428 (1976) 476—479
- Subcellular localizations of guanylate cyclase and 3',5'-cyclic nucleotide phosphodiesterase in sea urchin sperm (BBA 27838)
by M. Sano (Aichi, Japan) 428 (1976) 525—531
- Biosynthesis of yeast mannan. Diversity of mannosyltransferases in the mannan-synthesizing enzyme system from yeast (BBA 27886)
by V. Farkaš, V.M. Vagabov and Š. Bauer (Bratislava, Czechoslovakia and Pustchino on the Oka, U.S.S.R.) 428 (1976) 573—582
- Biosynthesis of yeast mannan. Independent formation of two carbohydrate moieties in the mannoprotein molecule (BBA 27887)
by V. Farkaš, Š. Bauer and V.M. Vagabov (Bratislava, Czechoslovakia and Pustchino on the Oka, U.S.S.R.) 428 (1976) 583—590
- Enzymes of ornithine metabolism in adult and developing rat intestine (BBA 27894)
by A. Herzfeld and S.M. Raper (Boston, Mass., U.S.A.) 428 (1976) 600—610
- The effect of ethanol ingestion on the aldehyde dehydrogenase of rat liver (BBA 27893)
by N.J. Greenfield, R. Pietruszko, G. Lin and D. Lester (New Brunswick, N.J., U.S.A.) 428 (1976) 627—632
- Acute effects of oral and intravenous ethanol on rat hepatic enzyme activities (BBA 27905)
by F.B. Stifel, H.L. Greene, E.G. Lufkin, M.R. Wensch, L. Hagler and R.H. Herman (San Francisco, Calif., U.S.A.) 428 (1976) 633—638
- Effect of estradiol and progesterone on UDPgalactose pyrophosphatase activity in the endometrium of ovariectomized rats (BBA 27890)
by J.J. Jato-Rodriguez, J.D. Nelson and S. Mookerjee (Toronto and St. John's, Canada) 428 (1976) 639—646
- Inhibition of growth and aspartokinase activity of *Salmonella typhimurium* by thialysine (BBA 27898)
by F.T. Coles and J.E. Brechley (University Park, Pa., U.S.A.) . . 428 (1976) 647—655
- Growth of a mutant of *Escherichia coli* K-12 on xylitol by recruiting enzymes for D-xylitol and L-1,2-propanediol metabolism (BBA 27906)
by T.T. Wu (Evanston, Ill., U.S.A.) 428 (1976) 656—663
- Resistance of *Pediococcus cerevisiae* to amethopterin as a consequence of changes in enzymatic activity and cell permeability. I. Dihydrofolate reductase, thymidylate synthetase and formyltetrahydrofolate synthetase in amethopterin-resistant and -sensitive strains of *Pediococcus cerevisiae* (BBA 27901)
by F. Mandelbaum-Shavit (Jerusalem, Israel) 428 (1976) 664—673

- Resistance of *Pediococcus cerevisiae* to amethopterin as a consequence of changes in enzymatic activity and cell permeability. II. Permeability changes to amethopterin and other folates in the drug-resistant mutant (BBA 27902)
by F. Mandelbaum-Shavit (Jerusalem, Israel) 428 (1976) 674—682
- Effect of clofibrate treatment on carnitine acyltransferases in different subcellular fractions of rat liver (BBA 27899)
by M.T. Kahonen (Helsinki, Finland) 428 (1976) 690—701
- Effect of triamcinolone administration on content of flavins in rabbit liver (BBA 27891)
by S. Shoji, H. Tsukagoshi, S. Miyazawa and T. Hashimoto (Matsumoto, Japan) 428 (1976) 707—710
- The effects of proteolytic enzymes on the mechanical properties of adult human articular cartilage (BBA 27889)
by G.E. Kempson, M.A. Tuke, J.T. Dingle, A.J. Barrett and P. H. Horsfield (London and Cambridge, U.K.) 428 (1976) 741—760
- The actions of avenaciolide and ethanol on glucose metabolism and on related enzyme activities in the isolated perfused rat liver (BBA 27915)
by J. Wimhurst and E. Harris (London, U.K.) 437 (1976) 51—61
- Regulation of purine metabolism. Adenylosuccinate synthetase from Novikoff ascites tumor cells (BBA 27937)
by S.W. Clark and F.B. Rudolph (Houston, Texas, U.S.A.) 437 (1976) 87—93
- Stimulatory modulator of guanosine 3',5'-monophosphate-dependent protein kinase from mammalian tissues (BBA 27930)
by J.F. Kuo, M. Shoji and W.K. Kuo (Atlanta, Ga., U.S.A.) 437 (1976) 142—149
- Intracellular localization of arginase in chick kidney (BBA 27917)
by H. Kadowaki, H.W. Israel and M.C. Nesheim (New York, N.Y., U.S.A.) 437 (1976) 158—165

BBA-PROTEIN STRUCTURE

- The isolation and characterization of the glycopeptides from horseradish peroxidase isoenzyme C (BBA 37293)
by J. Clarke and L.M. Shannon (Riverside, Calif., U.S.A.) 427 (1976) 428—442
- Affinity chromatography on hydroxylalkyl methacrylate gels. III. Adsorption of chymotrypsin to poly(hydroxyalkyl methacrylates) with covalently bound and benzyloxycarbonylglycyl-D-phenylalanine and -D-leucine as function of pH and ionic strength (BBA 37308)
by J. Turková, K. Bláha, O. Valentová, J. Čoupek and A. Seifertová (Prague, Czechoslovakia) 427 (1976) 586—593
- Heme-linked proton dissociation of carbon monoxide complexes of myoglobin and peroxidase (BBA 37310)
by Y. Hayashi, H. Yamada and I. Yamazaki (Saporo, Japan) 427 (1976) 608—616
- Isolation, characterization and partial sequence of cyanogen bromide fragments and thiol peptides from pig kidney D-aminoacid oxidase (BBA 37301)
by S. Ronchi, L. Minchiotti, D. Curti, M.C. Zapponi and J. Bridgen (Pavia, Italy and Cambridge, U.K.) 427 (1976) 634—643
- Magnetic circular dichroism studies on horseradish peroxidase (BBA 37298)
by T. Nozawa, N. Kobayashi and M. Hatano (Sendai, Japan) 427 (1976) 652—662
- The self-association of L- α -hydroxyacid (BBA 37299)
by D.R. Phillips, J.A. Duley, D.J. Fennell and R.S. Holmes (Bundoora, Australia) 427 (1976) 679—687
- Enzymatic and immunochemical properties of lysozyme. XVI. A novel synthetic approach to an antigenic reactive site by direct

- linkage of the relevant conformationally adjacent residues constituting the site (BBA 31198)
 by M.Z. Atassi, C.L. Lee and R.C. Pai (Minneapolis, Minn., U.S.A.) 427 (1976) 745-757
- Laser Raman spectra of oxidized hydroperoxidases (BBA 37348)
 by R.H. Felton, A.Y. Ramons, N.-T. Yu and G.R. Shonbaum (Atlanta, Ga., and Memphis, Tenn., U.S.A.) 434 (1976) 82-89
- An investigation of an unusual histidyl residue in *Escherichia coli* B L-asparaginase through fluorescence quenching (BBA 37339)
 by R.B. Homer and S.R. Allsopp (Norwich, U.K.) 434 (1976) 100-109
- Physical properties and chemical compositions of cytoplasmic and mitochondrial malate dehydrogenases from *Physarum polycephalum* (BBA 37335)
 by W.M. Teague and H.R. Henney, Jr. (Houston, Texas, U.S.A.) 434 (1976) 118-125
- Microcalorimetry of thermal denaturation of pepsin and trypsin in the crystal state (BBA 31201)
 by A.A. Makarov, N.G. Esipova, D.R. Monaselidze, G.N. Mgeladze, G.V. Madzhagaladze, I.P. Kuranova and A.I. Grebenko (Moscow, U.S.S.R.) 434 (1976) 286-289
- Study of cytochrome oxidase CO-binding site using low-temperature flash photolysis (BBA 36354)
 by M. Sharrock and T. Yonetani (Philadelphia, Pa., U.S.A.) 434 (1976) 333-344
- Bovine milk phosphatase. III. Purification and characterization of the enzyme (BBA 37356)
 by A.T. Andrews (Reading, U.K.) 434 (1976) 345-353

BBA-BIOENERGETICS

- Evidence for a lipid dependence of mitochondrial nicotinamide nucleotide transhydrogenase (BBA 47088)
 by J. Rydström, J.B. Hoek, B.G. Ericson and T. Hundal (Ithaca, N.Y., U.S.A. and Stockholm, Sweden) 430 (1976) 419-425
- Cytochrome oxidase from *Pseudomonas aeruginosa*. IV. Reaction with oxygen and carbon monoxide (BBA 47099)
 by D.C. Wharton and Q.H. Gibson (San Antonio, Texas and Ithaca, N.Y., U.S.A.) 430 (1976) 445-453
- The steady-state kinetics of high molecular weight (type-I) NADH dehydrogenase (BBA 47108)
 by G. Dooijewaard and E.C. Slater (Amsterdam, The Netherlands) 440 (1976) 1-15
- The steady-state kinetics of low molecular weight (type-II) NADH dehydrogenase (BBA 47109)
 by G. Dooijewaard and E.C. Slater (Amsterdam, The Netherlands) 440 (1976) 16-35

BBA-LIPIDS AND LIPID METABOLISM

- The effect of soluble rat liver proteins on the activity of microsomal stearoyl-CoA linoleoyl-CoA desaturase (BBA 56756)
 by R. Jeffcoat, P.R. Brawn and A.T. James (Bedford, U.K.) 431 (1976) 33-44
- Effects of detergents and choline-containing phospholipids on human spleen glucocerebrosidase (BBA 56763)
 by E. Blonder, C. Klibansky and A. de Vries (Petah Tikva, Israel) 431 (1976) 45-53
- Studies on lysophospholipases. VI. The action of two purified lysophospholipases from beef liver on membrane-bound lysophosphatidylcholine (BBA 56752)
 by A.M.H.P. van den Besselaar, J.H. Verheijen and H. van den Bosch (Utrecht, The Netherlands) 429 (1976) 75-85

- Is phospholipase D really an enzyme? A comparison of in situ and in vitro activities (BBA 56736)
by P.G. Roughan and C.R. Slack (Palmerston North, New Zealand) 429 (1976) 86—95
- Hydrolysis of neutral glycerides by lipases of rat brain microsomes (BBA 56751)
by M.C. Cabot and S. Gatt (Jerusalem, Israel) 429 (1976) 105—115
- Intra- and extracellular forms of lipoprotein lipase in adipose tissue (BBA 56761)
by P. Nilsson-Ehle, A.S. Garfinkel and M.C. Schotz (Los Angeles, Calif., U.S.A.) 429 (1976) 147—156
- Involvement of a single hydroxylase species in the hydroxylation of palmitate at the ω -1, ω -2 and ω -3 positions by a preparation from *Bacillus megaterium* (BBA 56767)
by P.P. Ho and A.J. Fulco (Los Angeles, Calif., U.S.A.) 431 (1976) 249—256
- The enzymic cleavage of linoleic acid to C₉ carbonyl fragments in extracts of cucumber (*Cucumis sativus*) fruit and the possible role of lipoxygenase (BBA 56765)
by T. Galliard and D.R. Phillips (Norwich, U.K.) 431 (1976) 278—287
- High-density lipoproteins reduce the uptake of low-density lipoproteins by human endothelial cells in culture (BBA 51191)
by O. Stein and J. Stein (Jerusalem, Israel) 431 (1976) 363—368
- Function of phosphatidylglycerol molecular species in membranes: Activation of membrane-bound *sn*-glycerol 3-phosphate acyltransferase in *Escherichia coli* (BBA 56809)
by M. Ishinaga, M. Nishihara, M. Kato and M. Kito (Kyoto, Japan) 431 (1976) 426—432
- The mechanism for nonspecific lipase from rat pancreas (BBA 56806)
by P.W. Albro, B.J. Corbett and J.R. Hass (Research Triangle Park, N.C., U.S.A.) 431 (1976) 493—506
- Lipoprotein lipase in rat lung; the effect of dexamethasone (BBA 56799)
by M. Hamosh, H. Yeager, Jr., Y. Schechter and P. Hamosh (Washington, D.C., U.S.A.) 431 (1976) 519—525
- Hydrolysis of chylomicron phosphatidylcholine in vitro by lipoprotein lipase, phospholipase A₂ and phospholipase C (BBA 56797)
by R.O. Scow and T. Egelrud (Bethesda, Md., U.S.A.) 431 (1976) 538—549
- Demonstration of a thyrotropin-responsive prostaglandin E₂-9-keto-reductase in bovine thyroid (BBA 56783)
by Y. Friedman, S. Levasseur and G. Burke (Chicago, Ill., U.S.A.) 431 (1976) 615—623
- Some characteristics of *sn*-glycero-3-phosphocholine diesterases from rat brain (BBA 56784)
by R.M. Abra and P.J. Quinn (Oxford, U.K.) 431 (1976) 631—639

BBA-BIOMEMBRANES

- Localization in the synaptic junction of the cyclic AMP stimulated intrinsic protein kinase activity of synaptosomal plasma membranes (BBA 71252)
by M. Weller and I.G. Morgan (Strasbourg, France) 433 (1976) 223—228
- In vitro studies of skeletal muscle membranes. Characterization of a phosphorylated intermediate of sarcolemmal (Na⁺ + K⁺)ATPase (BBA 77269)
by N.B. Reddy, W.K. Engel and B.W. Festoff (Bethesda, Md., U.S.A.) 433 (1976) 365—382
- Non-uniform populations of g-strophanthin binding sites of (Na⁺ + K⁺)-activated ATPase. Apparent conversion to uniformity by K⁺ (BBA 77273)
by O. Hansen (Aarhus, Denmark) 433 (1976) 383—392

- Radioprotective effect of superoxide dismutase on model phospholipid membranes (BBA 77293)
by A. Petkau and W.S. Chelack (Pinawa, Canada) 433 (1976) 445—456
- Enzymic solubilization of the human intestinal brush border membrane enzymes (BBA 77305)
by D. Maestracci (Sherbrooke, Canada) 433 (1976) 469—481
- Prostaglandin $F_{2\alpha}$ receptors in bovine corpus luteum cell membranes. Effect of enzymes and protein reagents (BBA 77325)
by C.V. Rao (Louisville, Ky., U.S.A.) 436 (1976) 170—182
- Micrococcus lysodeikticus* membrane ATPase. Effect of trypsin on stimulation of a purified form of the enzyme and identification of its natural inhibitor (BBA 77314)
by J. Carreira, E. Muñoz, J.M. Andreu and M. Nieto (Madrid, Spain) 436 (1976) 183—189
- Phosphatidic acid phosphatase and phospholipase A activities in plasma membranes from fusing muscle cells (BBA 77329)
by C. Kent and P.R. Vagelos (St. Louis, Mo., U.S.A.) 436 (1976) 377—386
- The glucagon receptor of rat liver plasma membrane can couple to adenylate cyclase without activating it (BBA 77350)
by M.D. Houslay, J.C. Metcalfe, G.B. Warren, T.R. Hesketh and G.A. Smith (Cambridge, U.K.) 436 (1976) 489—494
- The lipid environment of the glucagon receptor regulates adenylate cyclase activity (BBA 77351)
by M.D. Houslay, T.R. Hesketh, G.A. Smith, G.B. Warren and J.C. Metcalfe (Cambridge, U.K.) 436 (1976) 495—504
- A water soluble Mg^{2+} -ATPase from erythrocyte membranes (BBA 77362)
by M.D. White and G.B. Ralston (Sydney, Australia) 436 (1976) 567—576

BBA-NUCLEIC ACIDS AND PROTEIN SYNTHESIS

- DNA polymerase of *Dictyostelium discoideum* (BBA 98562)
by L.W. Loomis, E.F. Rossomando and L.M.S. Chang (Farmington, Conn., U.S.A.) 425 (1976) 469—477
- Effects of nitrosoureas on human DNA polymerase activities from acute and chronic granulocytic leukemia cells (BBA 98558)
by R.Y. Chuang, J. Kaszlo and P. Keller (Durham, N.C., U.S.A.) 425 (1976) 463—468
- DNA polymerase, thymidine kinase and DNA synthesis in erythropoietic mouse spleen cells separated on bovine albumin gradients (BBA 98569)
by G.D. Roodman, J.J. Hutton and F.J. Bollum (Lexington, Kentucky, U.S.A.) 425 (1976) 478—491
- Inhibition of *Bacillus subtilis* DNA polymerase III by arylhydrazinopyrimidines. Novel properties of 2-thiouracil derivatives (BBA 98565)
by G.E. Wright and N.C. Brown (Worcester, Mass., U.S.A.) 432 (1976) 37—48
- Purification and properties of DNA-dependent RNA polymerase from *Mycobacterium tuberculosis* H₃₇R_v (BBA 98557)
by R.M. Harshey and T. Ramakrishnan (Bangalore, India) 432 (1976) 49—59
- RNA polymerases from a rat hepatoma. Partial purification and comparison of properties with corresponding liver enzymes (BBA 98566)
by K.M. Rose, P.A. Ruch, H.P. Morris and S.T. Jacob (Hershey, Pa. and Washington, D.C., U.S.A.) 432 (1976) 60—72
- Independent fluctuations of cytidine and adenosine diphosphate activities in cultured Chinese hamster fibroblasts (BBA 98572)
by D.M. Peterson and E.C. Moore (Houston, Texas, U.S.A.) 432 (1976) 80—91

Purification and characterization of phosphodiesterase I from <i>Bothrops atrox</i> (BBA 98578) by G.R. Philipps (Bonn, G.F.R.)	432 (1976) 237—244
Polyribosome profiles and ribonuclease activity in spleens of normal and anaemic mice (BBA 98581) by L.G. Poels (Nijmegen, The Netherlands)	432 (1976) 245—254
Peptides isolated from <i>Enterobacter</i> nuclease as potential polyamine binding sites (BBA 98595) by J.J. Frank, I.A. Hawk and C.C. Levy (Baltimore, Md., U.S.A.)	432 (1976) 369—380
A nonspecific inhibitory effect of tRNA on the activity of 3-deoxy-D-arabino-heptulosonate-7-phosphate synthase from <i>Saccharomyces cerevisiae</i> (BBA 98615) by J.B. Bell, J.P. Gelugne and K. B. Jacobson (Oak Ridge, Tenn., U.S.A.)	435 (1976) 21—29
tRNA methyltransferases from rat liver. Differences in response of partially purified enzymes to polyamines and inorganic salts (BBA 98605) by P.S. Leboy and J.M. Glick (Philadelphia, Pa., U.S.A.)	435 (1976) 30—38
Purification and properties of the RNA polymerase of an extremely thermophilic bacterium: <i>Thermus aquaticus</i> T2 (BBA 98628) by M. Fábry, J. Sümegi and P. Venetianer (Szeged, Hungary)	435 (1976) 228—235
An in vivo effect of the metabolites L-alanine and glycyl-L-leucine on the properties of lysyl-tRNA synthetase from <i>Escherichia coli</i> K-12. I. Influence of subunit composition and molecular weight distribution (BBA 98633) by I.N. Hirshfield, F.-M. Yeh and P.C. Zamecnik (Boston, Mass., U.S.A.)	435 (1976) 290—305
An in vivo effect of the metabolites L-alanine and glycyl-L-leucine on the properties of the lysyl-tRNA synthetase from <i>Escherichia coli</i> K-12. II. Kinetic evidence (BBA 98634) by I.N. Hirshfield and F.-M. Yeh (Boston, Mass., U.S.A.)	435 (1976) 306—314

ERRATA

BIOCHIMICA ET BIOPHYSICA ACTA, VOL 422 (1976)

- p. 282, 4th line from bottom, for "Nbs₂" read "DTNB".
 p. 290, line 12, for "Nbs₂" read "DTNB".
 line 14, for "Nbs₂" read "DTNB".
 line 21, for "Nbs₂" read "DTNB".
 p. 311, line 16, for "96 h" read "48 h".