

TITLES OF RELATED PAPERS IN OTHER SECTIONS

The following papers which 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 turnover of lactate dehydrogenase in skeletal muscle of the mouse. Influence of fibre type and exercise regimen (BBA 28466) by R.I. Brinkworth and C.J. Masters (St. Lucia and Nathan, Australia). 540 (1978) 1-12
- Endogenous substrates of protein kinase in rat liver cell sap under different dietary conditions (BBA 28477) by U. Dahlqvist-Edberg, P. Ekman and L. Engström (Uppsala, Sweden) 540 (1978) 13-23
- The regulation of the decay of nitrate reductase. Evidence for the existence of at least two mechanisms of decay (BBA 28512) by S. Walls, G.J. Sorger, D. Gooden and V. Klein (Hamilton, Canada). 540 (1978) 24-32
- Demonstration in vitro of two intercellular inactivators of nitrate reductase from *Neurospora* (BBA 28513) by G.J. Sorger, R. Premakumar and D. Gooden (Hamilton, Canada). 540 (1978) 33-47
- Biosynthesis of riboflavin. 6,7-Dimethyl-8-ribityllumazine 5'-phosphate is not a substrate for riboflavin synthase (BBA 28478) by G. Harzer, H. Rokos, M.T. Otto, A. Bacher and S. Ghisla (Constance and Stuttgart, G.F.R.) 540 (1978) 48-54
- A protease-like permeability factor in the guinea pig skin. I. Partial purification and characterization (BBA 28483) by T. Yamamoto and T. Kambara (Kumamoto, Japan). 540 (1978) 55-64
- Effects of estradiol and testosterone on the activity of pyruvate kinase of the cardiac and skeletal muscles of rats as a function of age and sex (BBA 28493) by G.B.N. Chainy and M.S. Kanungo (Varanasi, India). 540 (1978) 65-72
- Specificity of thyroid hormone synthesis. The role of thyroid peroxidase (BBA 28511) by D. Dème, J. Pommier and J. Nunez (Bicêtre, France). 540 (1978) 73-82
- Glycogen synthesis in the fungus *Neurospora crassa* (BBA 28475) by J.D. Fontana and C.R. Krisman (Buenos Aires, Argentina) . . . 540 (1978) 183-189
- Initiation of glycogen biosynthesis in *Escherichia coli*. Studies of the properties of the enzymes involved (BBA 28476) by R. Barengo and C.R. Krisman (Buenos Aires, Argentina) . . . 540 (1978) 190-196
- Specificity of the binding of trifluoperazine to the calcium-dependent activator of phosphodiesterase and to a series of other calcium-binding proteins (BBA 28505) by R.M. Levin and B. Weiss (Philadelphia, Pa., U.S.A.) 540 (1978) 197-204
- Quantitation of epinephrine- and glucagon-sensitive adenylate cyclases of rat liver. Implications of alterations of enzymatic activities during preparation of particulate fractions and membranes (BBA 28517) by M.S. Katz, M.I. Kalish, M.A. Piñeyro and R.I. Gregerman (Baltimore, Md., U.S.A.) 540 (1978) 205-220
- The fluctuation of various enzyme activities due to *myo*-inositol

deficiency in <i>Saccharomyces carlsbergensis</i> (BBA 28498) by E. Hayashi, R. Hasegawa and T. Tomita (Shizuoka, Japan) . . .	540 (1978) 231-237
Effects of human polymorphonuclear leukocyte collagenase on sub- component C1q of the first component of human complement (BBA 28501) by D.S. Fletcher, H.R. Williams and T.-Y. Lin (Rahway, N.J., U.S.A.)	540 (1978) 270-277
Characterization of plasminogen activator in human cervical cells (BBA 28503) by W.L. Bigbee and R.H. Jensen (Livermore, Calif., U.S.A.)	540 (1978) 285-294
Mercury complexes of thionicotinamide adenine dinucleotide (BBA 21471) by M.S. Weininger and L.J. Banaszak (St. Louis, Mo., U.S.A.) . . .	540 (1978) 365-369
Adenylate cyclase system of human skeletal muscle. Subcellular distribution and general properties (BBA 28518) by N.B. Reddy, K.L. Oliver, B.W. Festoff and W.K. Engel (Bethesda, Md., U.S.A.)	540 (1978) 371-388
Adenylate cyclase system of human skeletal muscle. Characteristics of catecholamine stimulation and nucleotide regulation (BBA 28519) by N.B. Reddy, K.L. Oliver, B.W. Festoff and W.K. Engel (Bethesda, Md., U.S.A.)	540 (1978) 389-401
Induction of cytochrome P-450-dependent hydroxylases in primary monolayer cultures of rat hepatocytes (BBA 28525) by A. Stenberg and J.-A. Gustafsson (Stockholm, Sweden)	540 (1978) 402-407
Decreased sialyltransferase activity in the hearts of cardiomyopathic hamsters (BBA 21472) by C.J. Limas and C. Limas (Minneapolis, Minn., U.S.A.)	540 (1978) 543-546
Regulation of synthesis of the acetohydroxy acid synthase I isoen- zyme in <i>Escherichia coli</i> K-12 (BBA 28529) by M. de Felice, T. Newman and M. Levinthal (West Lafayette, Ind., U.S.A.)	541 (1978) 1-8
A comparative study of the acetohydroxy acid synthase isoenzymes of <i>Escherichia coli</i> K-12 (BBA 28530) by M. de Felice, C. Squires and M. Levinthal (West Lafayette, Ind., U.S.A.)	541 (1978) 9-17
Change in content of adenylosuccinate synthetase isoensymes during liver regeneration in rats (BBA 21473) by Y. Matsuda, H. Shiraki, H. Ogawa and H. Nakagawa (Osaka, Japan).	541 (1978) 135-138

BBA-PROTEIN STRUCTURE

Complexes of chromogranin A and dopamine β -hydroxylase among the chromogranins of the bovine adrenal medulla (BBA 37890) by K.B. Helle, G. Serck-Hanssen and E. Bock (Bergen, Norway and Copenhagen, Denmark).	533 (1978) 396-407
Binary and ternary complexes of dihydrofolate reductase with sub- strates, coenzymes and inhibitors. Circular dichroic and magnetic circular dichroic studies (BBA 37878) by A.V. Reddy, W.D. Behnke and J.H. Freisheim (Cincinnati, Ohio, U.S.A.)	533 (1978) 415-427
Thermodynamic studies of the interaction of α -chymotrypsin with water. I. Determination of the isosteric enthalpies and entropies of water binding to the native enzyme (BBA 37887) by M. Lüscher and M. Rüegg (Berne, Switzerland)	533 (1978) 428-439
The chemical modification of tryptophan residues of α -mannosidase	

from <i>Phaseolus vulgaris</i> (BBA 37881)	
by E. Paus (Oslo, Norway)	533 (1978) 446—456
Quantitation of submicrogram quantities of protein by an improved protein-dye binding assay (BBA 31246)	
by J.C. Bearden, Jr. (Honolulu, Hawaii, U.S.A.)	533 (1978) 525—529
The state of copper in <i>Neurospora</i> laccase (BBA 37917)	
by K. Lerch, J. Deinum and B. Reinhammar (Gothenburg, Sweden)	534 (1978) 7—14
Isolation, purification and characterization of creatine kinase from bovine cardiac muscle (BBA 37886)	
by O.S. Herasymowych, R.S. Mani and C.M. Kay (Edmonton, Canada).	534 (1978) 38—47
Affinity electrophoresis of proteins interacting with Blue Dextran (BBA 37912)	
by M. Tichá, V. Hořejší and J. Barthová (Prague, Czechoslovakia).	534 (1978) 58—63
Effect of temperature on fluorescence and circular dichroism of <i>Escherichia coli</i> dihydrofolate reductase and its complexes (BBA 37911)	
by B.B. Kitchell and R.W. Henkens (Durham, N.C., U.S.A.).	534 (1978) 89—98
Circular dichroism studies on the effects of ethanol on the conformation of α_1 -acid glycoprotein, α_1 -antitrypsin, deoxyribonuclease, pepsinogen, soybean trypsin inhibitor and unfolded ribonucleases (BBA 37915)	
by B. Jirgensons (Houston, Texas, U.S.A.)	534 (1978) 123—131

BBA-BIOENERGETICS

Anomalies in the polarographic measurement of cytochrome oxidase activity (BBA 47489)	
by S.C. Wiest and P.L. Steponkus (Ithaca, N.Y., U.S.A.).	502 (1978) 248—254
Modes of reduction of nitrogenase in heterocysts isolated from <i>Anabaena</i> species (BBA 47487)	
by W. Lockau, R.B. Peterson, C.P. Wolk and R.H. Burris (East Lansing, Mich. and Madison, Wisc., U.S.A.)	502 (1978) 298—308
Specific labelling of the $(\text{Ca}^{2+} + \text{Mg}^{2+})$ -ATPase of <i>Escherichia coli</i> with 8-azido-ATP and 4-chloro-7-nitrobenzofurazan (BBA 47479)	
by J.H. Verheijen, P.W. Postma and K. van Dam (Amsterdam, The Netherlands).	502 (1978) 345—353
Membrane ATPase of <i>Bacillus subtilis</i> . I. Purification and properties (BBA 47512)	
by M. Serrahima-Zieger and H. Monteil (Strasbourg, France)	502 (1978) 445—457

BBA-LIPIDS AND LIPID METABOLISM

Comparison of polyprenyl derivatives in yeast glycosyl transfer reactions (BBA 57166)	
by D.D. Pless and G. Palamarczyk (Warsaw, Poland).	529 (1978) 21—28
Solubilization and separation of $\Delta^5,3\beta$ -hydroxysteroid dehydrogenase and 3-oxosteroid- Δ^4 - Δ^5 -isomerase from bovine adrenal cortex microsomes (BBA 57154)	
by J. Gallay, M. Vincent, C. de Paillerets and A. Alfsen (Paris, France).	529 (1978) 79—87
Purification and properties of the polymeric fatty acid synthetase from a filamentous fungus (BBA 57187)	
by P. Giompres and N.M. Packter (Leeds, U.K.)	529 (1978) 189—200
Localization of cytochrome P-450-linked mixed function oxidase and steroid hydroxylations within zones of bovine adrenocortices (BBA 57184)	

- by Y. Ichikawa, M. Ichikawa, S. Ishigami, A. Hiwatashi and T. Okuno (Osaka, Japan) 529 (1978) 263—269
- Enzymic hydrolysis of diol lipids by pancreatic lipase (BBA 57179)
by M. Noda, H. Tsukahara and M. Ogata (Kyoto, Japan). 529 (1978) 270—279

BBA-BIOMEMBRANES

- Phosphatidylinositol as the endogenous activator of the ($\text{Na}^+ + \text{K}^+$)-ATPase in microsomes of rabbit kidney (BBA 77982)
by J.G. Mandersloot, B. Roelofsen and J. de Gier (Utrecht, The Netherlands). 508 (1978) 478—485
- Purification from brain of an intrinsic membrane protein fraction enriched in ($\text{Na}^+ + \text{K}^+$)-ATPase (BBA 77980)
by K.J. Sweadner (Cambridge, Mass., U.S.A.). 508 (1978) 486—499
- Is hexokinase present in the basal lateral membranes of rat kidney proximal tubular epithelial cells? (BBA 77991)
by D.J. Keljo, A. Kleinzeller, H. Murer and R. Kinne (Philadelphia, Pa. and Frankfurt, G.F.R.) 508 (1978) 500—512
- Specific release of plasma membrane enzymes by a phosphatidylinositol-specific phospholipase C (BBA 71335)
by M.G. Low and J.B. Finean (Birmingham, U.K.). 508 (1978) 565—570
- Reversible shift between two states of Ca^{2+} -ATPase in human erythrocytes mediated by Ca^{2+} and a membrane-bound activator (BBA 78007)
by O. Scharff and B. Foder (Copenhagen, Denmark) 509 (1978) 67—77
- Dynamic light scattering characterization of the detergent-free, delipidated ($\text{Ca}^{2+} + \text{Mg}^{2+}$)-ATPase from sarcoplasmic reticulum (BBA 77994)
by Y. Yeh, J.C. Selser and R.J. Baskin (Davis, Calif., U.S.A.). . . . 509 (1978) 78—89
- Correlation between the thermotropic behavior of sphingomyelin liposomes and sphingomyelin hydrolysis by sphingomyelinase of *Staphylococcus aureus* (BBA 71337)
by R. Cohen and Y. Barenholz (Jerusalem, Israel and Charlottesville, Va., U.S.A.). 509 (1978) 181—187
- Studies of ($\text{Na}^+ + \text{K}^+$)-sensitive ATPase activity in pig lymphocytes. Effects of concanavalin A (BBA 71340)
by J. Dornand, C. Reminiac and J.-C. Mani (Montpellier, France). . . 509 (1978) 194—200
- Immunological properties of membrane-bound adenosine triphosphatase. Immunological identification of rutamycin-sensitive $\text{F}_0 \cdot \text{F}_1$ ATPase from *Micrococcus luteus* ATCC 4698 established by crossed immunoelectrophoresis (BBA 78025)
by M. Schmitt, K. Rittinghaus, P. Scheurich, U. Schwulera and K. Dose (Mainz, G.F.R.). 509 (1978) 410—418
- Inhibition of the ($\text{Na}^+ + \text{K}^+$)-dependent ATPase by inorganic phosphate (BBA 78026)
by J.D. Robinson, M.S. Flashner and G.K. Marin (Syracuse, N.Y., U.S.A.). 509 (1978) 419—428

BBA-NUCLEIC ACIDS AND PROTEIN SYNTHESIS

- Purification of RNAase II by preparative polyacrylamide gel electrophoresis (BBA 99124)
by M. Leineweber and G.R. Philipps (Bonn, G.F.R.) 517 (1978) 419—428
- Phosphorylation of calf thymus RNA polymerase II by nuclear cyclic 3',5'-AMP-independent protein kinase (BBA 99102)
by E.G. Kranias and R.A. Jungmann (Chicago, Ill., U.S.A.). 517 (1978) 439—446