

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

- Effects of inhibitors of protein and RNA synthesis on aldosterone-stimulated changes in phospholipid fatty acid metabolism in the toad urinary bladder (BBA 27804)
by E. L. Lien, D. B. P. Goodman and H. Rasmussen (Philadelphia, Pa., U.S.A.) 421 (1976) 210
- The effect of cycloheximide on galactosyltransferase of rat liver golgi membranes (BBA 27815)
by M. Mitranic, J. M. Sturgess and M. A. Moscarello (Toronto, Canada) 421 (1976) 272
- Effects of kinetin on phosphorylation of leaf membrane proteins (BBA 27812)
by R. Ralph, S. Bullivant and S. Wojcik (Auckland, N. Zealand) 421 (1976) 319
- Preparation and isolation of a taste bud-derived fraction from bovine circumvallate papillae (BBA 27808)
by C. K. L. Lum, N. F. Whittaker and R. I. Henkin (Washington, D.C., U.S.A.) 421 (1976) 353
- Characterization of fractions from taste bud and non-taste bud-enriched filtrates from and around bovine circumvallate papillae (BBA 27809)
by C. K. L. Lum and R. I. Henkin (Washington, D.C., U.S.A.) 421 (1976) 362
- Sugar binding to purified fractions from bovine taste buds and epithelial tissue. Relationships to bioactivity (BBA 27810)
by C. K. L. Lum and R. I. Henkin (Washington, D.C., U.S.A.) 421 (1976) 380
- Etude de la formation de l'acide *N*-glycolymuramique du peptidoglycane de *Nocardia asteroides* (Study of the formation of *N*-glycolymuramic acid from *Nocardia asteroides* peptidoglycans) (BBA 27813)
by O. Gateau, C. Bordet et G. Michel (Villeurbanne, France) 421 (1976) 395
- Cyclic AMP formation and morphology of myocardial cells isolated from adult heart. Effect of Ca^{2+} and Mg^{2+} (BBA 21419)
by E. Moustafa, T. Skomedal, J. Osnes and I. Oye (Oslo, Norway) 421 (1976) 411
- The rate of rhodopsin phosphorylation in isolated retinas of frog and cattle (BBA 27825)
by H. Kühn and S. Bader (Jülich, G.F.R.) 428 (1976) 13
- Binding of bovine brain tissue factor to concanavalin A-sepharose. Partial purification of coagulant, arylamidase, and alkaline phosphatase activities (BBA 27831)
by F. A. Pitlick (New Haven, Conn., U.S.A.) 428 (1976) 27
- Sedimentation behavior of solubilized gonadotropin receptor from plasma membranes of bovine corpus luteum (BBA 27834)
by V. Thambyrajah, S. Azhar and K. M. J. Menon 428 (1976) 35
- Activation of murine lymphocytes by cyclic guanosine 3',5'-monophosphate. Specificity and role in mitogen action (BBA 27841)
by F. R. Derubertis and T. Zenser (Pittsburgh, Pa., U.S.A.) 428 (1976) 91
- Membrane-associated reactions in ubiquinone biosynthesis: 2-octaprenyl-3-methyl-5-hydroxy-6-methoxy-1,4-benzoquinone methyltransferase (BBA 27853)
by R. A. Leppik, P. Stroobant, B. Shineberg, I. G. Young and F. Gibson (Canberra City, Australia) 428 (1976) 146
- Evidence for multiple enzymes in the dolichol utilizing pathway of glycoprotein biosynthesis (BBA 27846)
by D. A. Vessey, N. Lysenko and D. Zakim (San Francisco, Calif., U.S.A.) 428 (1976) 138
- Water diffusion permeability of human erythrocytes studied by a pulsed gradient NMR technique (BBA 27849)
by J. Andrasko (Lund, Sweden) 428 (1976) 304

- The subcellular distribution and partial characterization of cholinesterase activities of canine platelets (BBA 27848)
by K. M. Lovette, H. Y. K. Chuang, S. F. Mohammad and R. G. Mason (Chapel Hill, N.C., U.S.A.) 428 (1976) 355
- Metabolic aspects of the secretion of stored compounds from blood platelets. IV. Effects of ionophore X537A on washed platelets (BBA 27874)
by E. H. Mürer, K. Davenport and H. J. Day (Philadelphia, Pa., U.S.A.) 428 (1976) 369
- Optimum conditions for the binding of insulin to its receptor (BBA 27871)
by J. S. Apostolova, G. Apostolova and L. M. Sirakov (Sofia, Bulgaria) 428 (1976) 414
- Characteristics of the macrophage uptake of proteinase- α -macroglobulin complexes (BBA 27863)
by M. T. Debanne, R. Bell and J. Dolovich (Hamilton, Canada) 428 (1976) 466
- Demonstration of adenylate cyclase activity in human red blood cell ghosts (BBA 27851)
by S. B. Rodan, G. A. Rodan and R. I. Sha'afi (Farmington, Conn., U.S.A.) 428 (1976) 509

BBA – PROTEIN STRUCTURE

- Studies on phytohemagglutinins. XXVII. A study of the pea lectin binding site (BBA 37235)
by M. Čermáková, G. Entlicher and J. Kocourek (Prague, Czechoslovakia) 420 (1976) 236
- Study of the apoprotein of Folch-Pi bovine proteolipid. II. Characterization of the components isolated from sodium dodecyl sulfate solutions (BBA 37258)
by M. Vacher-Leprêtre, C. Nicot, A. Alfsen, J. Jollès and P. Jollès (Paris, France) 420 (1976) 323
- The application of acetylated Sephadex for the separation of proteolipids (BBA 37257)
by J. Monreal (Madrid, Spain) 427 (1976) 15
- Structure and morphogenesis of photosynthetic membranes. I. Is there a single basic peptide within maize thylakoids? (BBA 37284)
by B. Lagoutte and J. Duranton (Gif-sur-Yvette, France) 427 (1976) 141
- Cleavage of thrombosthenin A by thrombin. Evidence for the existence of two types of bovine platelet actin (BBA 37265)
by L. Muszbek, L. Fésüs, E. Ölveti and T. Szabó (Debrecen, Hungary) 427 (1976) 171
- Experimental allergic aspermatogenic orchitis. II. Some chemical properties of the API protein of the sperm acrosome (BBA 37253)
by J. J. Jackson, A. Hagopian, D. J. Carlo, G. A. Limjuco and E. H. Eylar (Rahway, N. J. and Charleston, S.C., U.S.A.) 427 (1976) 251
- Purification and biological activities of pokeweed (*Phytolacca americana*) mitogens (BBA 37304)
by K. Yokoyama, O. Yano, T. Terao and T. Osawa (Tokyo, Japan) 427 (1976) 443

BBA – BIOENERGETICS

- Relations between the electrical potential, pH gradient, proton flux and phosphorylation in the photosynthetic membrane (BBA 47004)
by P. Gräber and H. T. Witt (Berlin, Germany) 423 (1976) 141
- Further studies on the effect of phosphoenolpyruvate on respiration-dependent calcium transport by rat heart mitochondria (BBA 47029)
by P. Chudapongse (Bangkok, Thailand) 423 (1976) 196
- Kinetic studies of phototransients in bacteriorhodopsin (BBA 47033)
by W. V. Sherman, M. A. Slifkin and S. R. Caplan (Rehovot, Israel) 423 (1976) 238
- Effect of NADP⁺ on light-induced cytochrome changes in membrane fragments from a blue-green alga (BBA 47037)
by H. Y. Tsujimoto, B. D. McSwain, T. Hiyama and D. I. Arnon (Berkeley, Calif., U.S.A.) 423 (1976) 303

- Translocation and binding of adenine nucleotides by rat liver mitochondria partially depleted of phospholipids (BBA 47045)
by T. L. Spencer, J. K. See and F. L. Bygrave (Canberra, Australia) . . . 423 (1976) 365
- Inactivation and reactivation of mitochondrial respiration by charged detergents (BBA 47055)
by R. J. Mehlhorn and L. Packer (Berkely, Calif., U.S.A.) . . . 423 (1976) 382
- Anaerobic transport of amino acids coupled to the glycerol-3-phosphate-fumarate oxidoreductase system in cytochrome-deficient mutant of *Escherichia coli* (BBA 47053)
by A. P. Singh and P. D. Bragg (Vancouver, Canada) . . . 423 (1976) 450
- Effects of lipolytic enzymes on the photochemical activities of spinach chloroplasts (BBA 47044)
by O. Hirayama and T. Matsui (Matsue, Japan) . . . 423 (1976) 540
- The effect of cations and membrane permeability modifying agents on the dark kinetics of the photoelectric response in isolated chloroplasts (BBA 47057)
by A. A. Bulychiev and W. J. Vredenberg (Wageningen, The Netherlands) 423 (1976) 548
- The reduced nicotinamide adenine dinucleotide "oxidase" of *Acholeplasma laidlawii* membranes (BBA 47063)
by D. C. Jinks and L. L. Matz (Buffalo, N.Y., U.S.A.) . . . 430 (1976) 71
- The coupling factor of photophosphorylation and the electric properties of the thylakoid membrane (BBA 47064)
by R. Schmid, N. Shavit and W. Junge (Berlin, Germany) . . . 430 (1976) 145
- Compositional characteristics of a chloroform/methanol-soluble protein fraction from spinach chloroplast membranes (BBA 47090)
by F. Henriques and R. B. Park (Berkeley, Calif., U.S.A.) . . . 430 (1976) 312
- Inhibition of energy-transducing functions of chloroplast membranes by lipophilic iron chelators (BBA 47086)
by C. L. Bering, R. A. Dilley and F. L. Crane (W. Lafayette, Ind., U.S.A.) . 430 (1976) 327
- Photoinduction kinetics of electrical potential in a single chloroplast as studied with micro-electrode technique (BBA 47080)
by A. A. Bulychiev, V. K. Andrianov, G. A. Kurella and F. F. Litvin
(Moscow, U.S.S.R.) . . . 430 (1976) 336

BBA – LIPIDS AND LIPID METABOLISM

- The effect of the phase transition on the hydration and electrical conductivity of phospholipids (BBA 56724)
by G. L. Jendrsiak and J. G. Mendible (Urbana, Ill., U.S.A.) . . . 424 (1976) 133
- The analysis of the molecular species of fetal rabbit lung phosphatidylcholine by consecutive chromatographic techniques (BBA 56720)
by J. F. Soodsma, L. C. Mims and R. D. Harlow (Tulsa, Okla., U.S.A.) . 424 (1976) 159
- The phospholipid head-group orientation. Effect on hydration and electrical conductivity (BBA 56725)
by G. L. Jendrsiak and J. C. Mendible (Urbana, Ill., U.S.A.) . . . 424 (1976) 149
- Immunological comparison of phosphatidylinositol and phosphatidylcholine exchange proteins in bovine brain, liver and heart (BBA 56728)
by G. M. Helmkamp, Jr., S. A. Nelemans and K. W. A. Wirtz (Utrecht, The Netherlands) . . . 424 (1976) 168
- Isolation and composition of the carotenoid-containing oil droplets of the cone photoreceptors (BBA 56710)
by D. Johnston and R. A. Hudson (Detroit, Mich., U.S.A.) . . . 424 (1976) 235
- Effects of local anaesthetics on the lipase of *Rhizopus arrhizus* (BBA 56721)
by J. R. Traynor and H. Kunze (Göttingen, G.F.R.) . . . 424 (1976) 246
- Major lipid classes in plasma membrane isolated from liver of rats fed a hepatocarcinogen (BBA 56740)
by R. G. Perkins and F. A. Kummerow (Urbana, Ill., U.S.A.) . . . 424 (1976) 469

- Temperature-sensitive formation of the phospholipid molecular species in *Escherichia coli* membranes (BBA 56757)
by M. Nishihara, M. Ishinaga, M. Kato and M. Kito (Kyoto, Japan) . . . 431 (1976) 54
- Studies on lysophospholipases. VI. The action of two purified lysophospholipases from beef liver on membrane-bound lysophosphatidylcholine (BBA 56752)
by A. M. P. H. van den Besselaar, J. H. Verheijen and H. van den Bosch (Utrecht, The Netherlands) 431 (1976) 75
- 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) . . . 431 (1976) 86
- Changes in membrane lipid composition during temperature adaptation by a thermotolerant strain of *Tetrahymena pyriformis* (BBA 56746)
by H. Fukushima, C. E. Martin, H. Iida, Y. Kitajima, G. A. Thompson, Jr. and Y. Nozawa (Gifu, Japan and Austin, Texas, U.S.A.) 431 (1976) 165
- Environmental effects on *Tetrahymena* membranes. Temperature-induced changes in membrane fatty acid unsaturation are independent of the molecular oxygen concentration (BBA 56747)
by L. Skriver and G. A. Thompson, Jr. (Austin, Texas, U.S.A.) 431 (1976) 180

BBA – ENZYMOLOGY

- Ouabain binding and phosphorylation of $(\text{Na}^+ + \text{K}^+)\text{-ATPase}$ treated with *N*-ethylmaleimide or oligomycin (BBA 67700)
by C. Hegyvary (Chicago, Ill., U.S.A.) 422 (1976) 365
- Glycolipid glycosyl transferase of hamster cell line in culture. I. Kinetic constants, substrate and donor nucleotide sugar specifications (BBA 67732)
by K. A. Chandrabose and I. A. Macpherson (London, U.K.) 429 (1976) 95
- Glycolipid glysoyl transferases of hamster cell line culture. II. Subcellular distribution and the effect of culture age and density (BBA 67733)
by K. A. Chandrabose, J. M. Graham and I. A. Macpherson (London, U.K.) 429 (1976) 112
- Na^+ -dependent phosphorylation of the rat brain $(\text{Na}^+ + \text{K}^+)\text{-ATPase}$: Possible non-equivalent activation sites for Na^+ (BBA 67713)
by D. Foster and K. Ahmed (Minneapolis, Minn., U.S.A.) 429 (1976) 258
- Observations on the accessibility of acceptor substrates to the active centre of UDP-glucuronyltransferase in vitro (BBA 67802)
by H. Paul, A. Illing and D. Benford (Milton Keynes, U.K.) 429 (1976) 768
- Photocontrol of urease-collagen membrane activity (BBA 67781)
by I. Karube, Y. Nakamoto, K. Namba and S. Suzuki (Tokyo, Japan) . . . 429 (1976) 975
- Effects of alkali metal cations on phospho-enzyme levels and $[^3\text{H}]$ ouabain binding to $(\text{Na}^+ + \text{K}^+)\text{-ATPase}$ (BBA 67806)
by C. S. Han, T. Tobin, T. Akera and T. M. Brody (Lexington, Kentucky, U.S.A.) 429 (1976) 993
- Substrate sites of the $(\text{Na}^+ + \text{K}^+)\text{-dependent ATPase}$ (BBA 67800)
by J. D. Robinson (Syracuse, N.Y., U.S.A.) 429 (1976) 1006

BBA – NUCLEIC ACIDS AND PROTEIN SYNTHESIS

- Distribution of membrane-bound and free ribosomes in growing yeast (BBA 98573)
by E. Schneider, E.-R. Lochmann and H. Lother (Berlin, Germany) . . . 432 (1976) 92