

## 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

- Sources of ammonia for urea synthesis in isolated rat liver cells (BBA 28163)  
by R. Rognstad (Los Angeles, Calif., U.S.A.) . . . . . 496 (1977) 249—254
- Regulation of enzyme turnover during tissue differentiation. Studies on 6-phosphogluconate dehydrogenase in rabbit mammary gland in organ culture (BBA 28162)  
by S.A. Betts and R.J. Mayer (Nottingham, U.K.) . . . . . 496 (1977) 302—311
- Genetic evidence for the common identity of glucose-6-phosphatase, pyrophosphate-glucose phosphotransferase, carbamyl phosphate-glucose phosphotransferase and inorganic pyrophosphatase (BBA 28149)  
by P.M. Hefferan and R.R. Howell (Houston, Texas, U.S.A.) . . . 496 (1977) 431—435
- Effect of metabolites and phosphorylase on the D to I conversion of glycogen synthase from human polymorphonuclear leukocytes (BBA 28161)  
by P. Wang, G. Bantle and N.B. Sørensen (Aarhus, Denmark) . . . 496 (1977) 436—447
- On the role of calcium as second messenger in liver for the hormonally induced activation of glycogen phosphorylase (BBA 28160)  
by S. Keppens, J.R. Vandenheede and H. de Wulf (Leuven, Belgium) . . . . . 496 (1977) 448—457
- Effect of glutaraldehyde treatment on enzyme-loaded erythrocytes (BBA 28158)  
by J. DeLoach, S. Peters, O. Pinkard, R. Glew and G. Ihler (Pittsburgh, Pa., U.S.A.) . . . . . 496 (1977) 507—515
- Rat pancreas adenylate cyclase V. Its presence in isolated rat pancreatic acinar cells (BBA 28147)  
by H.J.M. Kempen, J.J.H.M. de Pont and S.L. Bonting (Nijmegen, The Netherlands) . . . . . 496 (1977) 521—531
- Characteristics of the cyclic nucleotide phosphodiesterase of normal and leukemic lymphocytes (BBA 28200)  
by W.N. Hait and B. Weiss (Philadelphia, Pa., U.S.A.) . . . . . 497 (1977) 86—100
- Effect of acute intoxication of the neuraminidase activity of rat liver Golgi apparatus (BBA 28199)  
by G.S. Kishore and R. Carubelli (Oklahoma City, Okla., U.S.A.) 497 (1977) 101—111
- Relationship between culture density and catabolite repression of an inducible aliphatic amidase in a thermophilic bacillus (BBA 28189)  
by B. Thalenfeld, I. Epstein and N. Grossowicz (Jerusalem, Israel) 497 (1977) 112—121

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| Late hexokinase activity expression during <i>Bufo bufo</i> development (BBA 28193)                                      |                    |
| by M. Miranda (L'Aquila, Italy) . . . . .                                                                                | 497 (1977) 122—127 |
| Incorporation of galactose into galactosyltransferase (BBA 28191)                                                        |                    |
| by C.R. Geren, L.M. Geren, D. Lee and K.E. Ebner (Kansas City, Kan., U.S.A.) . . . . .                                   | 497 (1977) 128—132 |
| Effect of cartilage proteoglycans on human collagenase activities (BBA 28188)                                            |                    |
| by D.E. Woolley and J.M. Evanson (Manchester, U.K.) . . . . .                                                            | 497 (1977) 144—150 |
| The influence of dietary selenium and vitamin E on glutathione peroxidase and glutathione in the rat (BBA 28185)         |                    |
| by D.L. Scott, J. Kelleher and M.S. Losowsky (Leeds, U.K.) . . . .                                                       | 497 (1977) 218—224 |
| Cathepsin D of mouse leukemia L12010 cells. Unusual intracellular localization and biochemical properties (BBA 28187)    |                    |
| by W.E. Bowers, C.F. Beyer and N. Yago (New York, N.Y., U.S.A.) . . . . .                                                | 497 (1977) 272—279 |
| Specific inhibition of the synthesis of putrescine and spermidine by 1,3-diaminopropane in rat liver in vivo (BBA 28190) |                    |
| by H. Pösö, A. Kallio, G. Scalabrino and J. Jänne (Helsinki, Finland) . . . . .                                          | 497 (1977) 288—297 |

## BBA-PROTEIN STRUCTURE

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| Reinvestigation of the primary structures of red deer and roe deer pancreatic ribonuclease and proline sites in mammalian ribonucleases (BBA 37561)  |                    |
| by S. Oosterhuis, G.W. Welling, W. Gaastra and J.J. Beintema (Groningen, The Netherlands) . . . . .                                                  | 490 (1977) 523—529 |
| Luminescence of phenylalanine residues in superoxide dismutase from gree pea (BBA 37610)                                                             |                    |
| by E.A. Permyakov, E.A. Burstein, Y. Sawada and I. Yamazaki (Puschino, U.S.S.R. and Sapporo, Japan) . . . . .                                        | 491 (1977) 149—154 |
| Staining of proteins after isoelectric focusing in gels by new procedures (BBA 37581)                                                                |                    |
| by O. Vesterberg, L. Hansén and A. Sjösten (Stockholm, Sweden) . . . .                                                                               | 491 (1977) 160—166 |
| The solubilization of bone and dentin collagens by pepsin. Effect of cross-linkages and non-collagen components (BBA 37585)                          |                    |
| by D.J. Carmichael, C.M. Dodd and A. Veis (Edmonton, Canada and Chicago, Ill., U.S.A.) . . . . .                                                     | 491 (1977) 117—192 |
| Isolation and properties of phospholipase A <sub>2</sub> and phospholipase A <sub>2</sub> from horse pancreas and horse pancreatic juice (BBA 37609) |                    |
| by A. Evenberg, H. Meyer, H.M. Verheij and G.H. de Haas (Utrecht, The Netherlands) . . . . .                                                         | 491 (1977) 265—274 |
| Occurrence of tryptophan in the enzymically-active site of diphtheria toxin fragment A (BBA 37614)                                                   |                    |
| by A. Michel and J. Dirx (Mons, Belgium) . . . . .                                                                                                   | 491 (1977) 286—295 |
| Modification of amino acids and bovine pancreatic ribonuclease A by Kethoxal (BBA 37604)                                                             |                    |
| by H. Iijima, H. Patrzyc and J. Bello (Buffalo, N.Y., U.S.A.) . . . .                                                                                | 491 (1977) 305—316 |
| Low pH stability of alpha-1-antitrypsin (BBA 37583)                                                                                                  |                    |
| By C.B. Glaser, L. Karic and A.B. Cohen (San Francisco, Calif. and Philadelphia, Pa., U.S.A.) . . . . .                                              | 491 (1977) 325—330 |
| Low molecular weight angiotensin I converting enzyme from rat lung (BBA 31219)                                                                       |                    |
| by J.J. Lanzillo and B.L. Fanburg (Boston, Mass., U.S.A.) . . . . .                                                                                  | 491 (1977) 339—344 |
| The importance of protein structure and conformation in the prepa-                                                                                   |                    |

- ration of phospholipase-free cardiotoxin from snake venom (BBA 31221)  
 by L. Visser and A.I. Louw (Pretoria, Republic of South Africa) . . . 491 (1977) 349–353
- The temperature-dependent structural transition of lysozyme. A study of the Arrhenius plots (BBA 31222)  
 by J. Saint-Blancard, A. Clochard, P. Cozzone, J. Berthou and P. Jollès (Paris, France) . . . . . 491 (1977) 354–356

## BBA-BIOENERGETICS

- Tightly bound nucleotides of the energy-transducing ATPase, and their role in oxidative phosphorylation. II. The beef heart mitochondrial system (BBA 47245)  
 by D.A. Harris, G.K. Radda and E.C. Slater (Oxford, U.K. and Amsterdam, The Netherlands) . . . . . 459 (1977) 560–572

## BBA-LIPIDS AND LIPID METABOLISM

- Effects of divalent cations and sodium taurocholate on pancreatic lipase activity with gum arabic-emulsified tributyrilglycerol substrates (BBA 56927)  
 by W.J. Brown, A.A. Belmonte and P. Melius (Auburn, Ala. U.S.A.) . . . . . 486 (1977) 313–321
- Partial characterization of the bile salt-dependent triacylglycerol lipase from the leopard shark pancreas (BBA 56934)  
 by J.S. Patton, T.G. Warner and A.A. Benson (La Jolla, Calif., U.S.A.) . . . . . 486 (1977) 322–330
- Specific requirement of lysophosphatidylcholine for palmitoyl-CoA synthetase of chicken intestine (BBA 56933)  
 by B.R. Lokesh, A.M. Rao and S.K. Murthy (Bangalore, India) . . . 486 (1977) 341–350
- Partial purification and characterization of NAD-dependent 7- $\alpha$ -hydroxysteroid dehydrogenase from *Bacteroides thetaiotaomicron* (BBA 56925)  
 by J.A. Sherrod and P.B. Hylemon (Richmond, Va., U.S.A.) . . . . 486 (1977) 351–358
- Soluble rat adipocyte phosphatidate phosphatase activity. Characterization and effects of fasting and various lipids (BBA 56936)  
 by F. Moller, P. Green and E.J. Harkness (Kingston, Canada) . . . 486 (1977) 359–368
- Heterogeneity of membrane-bound  $\Delta^5$ -3-oxosteroid isomerase. Studies on bovine adrenocortical microsomes (BBA 56938)  
 by P. Geynet (Paris, France) . . . . . 486 (1977) 369–377
- Characterization of antibody to human phosphatidylcholine:cholesterol acyltransferase (BBA 56940)  
 by K.G. Varma, A.H. Nowotny and L.A. Soloff (Philadelphia, Pa., U.S.A.) . . . . . 486 (1977) 378–384

## BBA-BIOMEMBRANES

- Unmasking of an essential thiol during function of the membrane bound enzyme II of the phosphoenolpyruvate glucose phosphotransferase system of *Escherichia coli* (BBA 77601)  
 by R. Haguenauer-Tsapis and A. Kepes (Paris, France) . . . . . 465 (1977) 118–130
- Cardiac sarcolemma of the hamster. Enrichment of the (Na<sup>+</sup> + K<sup>+</sup>)-ATPase (BBA 71286)  
 by D.C. Pang and W.B. Weglicki (Richmond, Va., U.S.A.) . . . . . 465 (1977) 411–414
- The effect of temperature on monooxygenase reactions in the microsomal membrane (BBA 77608)  
 by C.S. Yang, F.S. Strickhart and L.P. Kicha (Newark, N.J., U.S.A.) . . . . . 465 (1977) 362–370

- Activation of ( $\text{Na}^+ + \text{K}^+$ )-dependent ATPase by lipid vesicles of negative phospholipids (BBA 77658)  
by P. Palatini, F. Dabbeni-Sala, A. Pitotti, A. Bruni and J.G. Mandersloot (Padua, Italy and Utrecht, The Netherlands) . . . . . 466 (1977) 1—9
- The effect of calcium ion transport ATPase upon the passive calcium ion permeability of phospholipid vesicles (BBA 77647)  
by R.J. Jilka and A.N. Martonosi (St. Louis, Mo., U.S.A.) . . . . . 466 (1977) 57—67
- Purification and characterization of ( $\text{Na}^+ + \text{K}^+$ )-ATPase. VI. Differential tryptic modification of catalytic functions of the purified enzyme in presence of NaCl and KCl (BBA 77657)  
by P.L. Jørgensen (Aarhus, Denmark) . . . . . 466 (1977) 97—108
- The localization of the MM isozyme of creatine phosphokinase on the surface membrane of myocardial cells and its functional coupling to ouabain-inhibited ( $\text{Na}^+$ ,  $\text{K}^+$ )-ATPase (BBA 77634)  
by V.A. Saks, N.V. Lipina, V.G. Sharov, V.N. Smirnov, E. Chazov and R. Grosse (Moscow, U.S.S.R.) . . . . . 465 (1977) 550—558
- Irreversible inactivation of the membrane-bound enzyme  $\text{II}^{\text{Iac}}$  of the lactose phosphotransferase system of *Staphylococcus aureus* by Triton X-100 and protection by substrates (BBA 77661)  
by M.L. Sussman and J.B. Hays (Catonsville, Md., U.S.A.) . . . . . 465 (1977) 559—570
- bis-(4-Methylumbelliferyl) phosphate as a substrate for the surface membrane-associated phosphodiesterase activity of pig platelets (BBA 71291)  
by D.G. Taylor, V.M. Williams and N. Crawford (Birmingham, U.K.) . . . . . 465 (1977) 667—671

#### BBA-NUCLEIC ACIDS AND PROTEIN SYNTHESIS

- A specific polyadenylase from *Escherichia coli*  $\text{K}_{12}$  (BBA 98841)  
by D. Antoniadis and O. Antonoglou (Thessaloniki, Greece) . . . 474 (1977) 609—618
- A factor affecting stimulation of aminoacylation in plants (BBA 98839)  
by S. Bartkowiak and M. Radfowski (Poznań, Poland) . . . . . 474 (1977) 619—628
- Acetylation of histones in isolated avian erythroid nuclei (BBA 98853)  
by S.F. Berkovic and C.M. Mauritzen (Parkville, Australia) . . . . 475 (1977) 160—167
- Partial depression of the isoleucine-valine enzymes during methionine starvation in *Salmonella typhimurium* (BBA 98863)  
by A. Rizzino, M. Mastanduno and M. Freundlich (Stony Brook, N.Y., U.S.A.) . . . . . 475 (1977) 267—275