

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

- Effects of thyroxine and 5 α -dihydrotestosterone on the activities of various enzymes in the mouse submandibular gland (BBA 28567) by T. Takuma, T. Tanemura, S. Hosoda and M. Kumegawa (Saitama, Japan) 541 (1978) 143–149
- The evidence for the existence of chymotrypsin-like esterase activity in the plasma membranes of rabbit neutrophils and the specific chemotactic peptide binding activity of the subcellular fractions (BBA 28534) by P.-K. Tsung, S.W. Kegeles and E.L. Becker (Farmington; Conn., U.S.A.) 541 (1978) 150–160
- Relationship between polyamine contents and protease activity in the rat submaxillary gland (BBA 28548) by K. Igarishi, K. Torii, K. Nakamura, Y. Kusaka and S. Hirose (Chiba, Japan) 541 (1978) 161–169
- Stimulation of mammalian adenylate cyclase activity with guanosine 5'-tetraphosphate and other guanine nucleotides (BBA 28546) by L.J. Ignarro and R.A. Gross (New Orleans, La., U.S.A.) 541 (1978) 170–180
- Adenylate cyclase activity and cyclic AMP metabolism during cyto-differentiation of *Blastocladia emersonii* (BBA 28559) by S.L. Gomes, L. Mennucci, J.C. da Costa Maia (São Paulo, Brazil) 541 (1978) 190–198
- Effects of chymotrypsin and a calcium-dependent protein activator on guanosine 3',5'-monophosphate phosphodiesterase from rat liver (BBA 28576) by J. Moss, V.C. Manganiello and M. Vaughan (Bethesda, Md., U.S.A.) 541 (1978) 279–287
- Purification and characterization of the anticoagulant principle of *Trimeresurus mucrosquamatus* venom (BBA 28575) by C. Ouyang, C.-M. Teng, Y.-C. Chen and S.-C. Lin (Taipei, Taiwan) 541 (1978) 394–407
- Association of diamine oxidase and ornithine decarboxylase with maturing cells in rapidly proliferating epithelium (BBA 21475) by S.B. Baylin, S.A. Stevens and K.M.M. Shakir (Baltimore, Md., U.S.A.) 541 (1978) 415–419
- Catabolite repression of isocitrate lyase in methylamine-grown *Pseudomonas* MA. Effect of carbon and nitrogen sources (BBA 28562) by E. Bellion and Y.S. Kim (Arlington, Texas, U.S.A.) 541 (1978) 425–434

- Enhancement of UDPgalactose:glycoprotein galactosyltransferase in cultured human skin fibroblasts by cationic polypeptides (BBA 28563)
by G.J.S. Rao, D. Chyatte and H.L. Nadler (Chicago, Ill., U.S.A.) 541 (1978) 435—443
- Identification of the regulatory steps in gluconeogenesis in cotyledons of *Cucurbita pepo* (BBA 28571)
by R.C. Leegood and T. ap Rees (Cambridge, U.K.) 542 (1978) 1—11
- UDP-*N*-acetylglucosamine—glycoprotein *N*-acetylglucosaminyltransferase in regenerating rat liver (BBA 28589)
by Y. Okamoto, E. Ito and N. Akamatsu (Kawasaki, Japan) 542 (1978) 21—27
- Superoxide dismutase of the eye. Relative functions of superoxide dismutase and catalase in protecting the ocular lens from oxidative damage (BBA 28587)
by K.C. Bhuyan and D.K. Bhuyan (New York, N.Y., U.S.A.) . . . 542 (1978) 28—38
- Purification and characterization of myosin from bovine retina (BBA 28568)
by J.E. Hesketh, N. Virmaux and P. Mandel (Strasbourg, France) 542 (1978) 39—46
- The role of calcium and cyclic adenosine 3',5'-monophosphate in the regulation of glycogen metabolism in phagocytosing human polymorphonuclear leukocytes (BBA 28597)
by T. Herlin, C. Sand Petersen and V. Esmann (Aarhus, Denmark) 542 (1978) 63—76
- Effects of catecholamines and glucagon on glycogen metabolism in human polymorphonuclear leukocytes (BBA 28598)
by C. Sand Petersen, T. Herlin and V. Esmann (Aarhus, Denmark) 542 (1978) 77—87
- Azidophenanthridinium compounds as photoaffinity labels of cholinergic proteins (BBA 28594)
by S. Stengelin, C. Walther and F. Hucho (Constance, G.F.R.) . . 542 (1978) 107—114
- Cytochrome *P*-450 from mitochondria of bovine adrenal cortex. Comparison of cholesterol side-chain cleavage *P*-450 with steroid 11 β -hydroxylation *P*-450 and immunochemical cross-reactivity between adrenal mitochondrial and liver microsomal cytochromes *P*-450 (BBA 28572)
by H.-P. Wang and T. Kimura (Detroit, Mich., U.S.A.) 542 (1978) 115—127
- The role of polymers in the regulation of AMP deaminase isozymes (BBA 21478)
by M. Yoshino, K. Murakami and K. Tsushima (Yokohama, Japan) 542 (1978) 177—180

BBA-PROTEIN STRUCTURE

- Characteristics and conversion of high molecular weight forms of renin in plasma and their incomplete activation by the current acid treatment (BBA 37920)
by A.H. Nielsen, C. Malling and K. Poulsen (Copenhagen, Denmark) 534 (1978) 246—257
- Effect of pH on bovine liver catalase as determined by electron paramagnetic resonance (BBA 37922)
by H. Blum, B. Chance and W.J. Litchfield (Philadelphia, Pa., U.S.A.) 534 (1978) 317—321
- Two-step modification of aspartate aminotransferase with 1,5-difluoro-2,4-dinitrobenzene. Cross-link localization (BBA 37937)
by S.M. Deyev, G.A. Afanasenko and O.L. Polyanovsky (Moscow, U.S.S.R.) 534 (1978) 358—367
- Modulation of the catalytic properties of α -chymotrypsin by chemical modification at Tyr 146 (BBA 37947)
by M. Gorecki, M. Wilchek and S. Blumberg (Rehovot, Israel) . . . 535 (1978) 90—99

- Dipeptidyl aminopeptidase IV, a glycoprotein from pig kidney (BBA 31256)
by K.M. Fukasawa, K. Fukasawa and M. Harada (Shiojiri City, Japan) 535 (1978) 161–166

BBA-BIOENERGETICS

- Cytochrome *c*-cytochrome oxidase interaction at subzero temperatures (BBA 47529)
by B. Chance, C. Saronio, A. Waring and J.S. Leigh (Philadelphia, Pa., U.S.A.) 503 (1978) 37–55
- The effect of mitochondrial energization on cytochrome *c* oxidase kinetics as measured at low temperatures. I. The reaction with carbon monoxide (BBA 47515)
by H.J. Harmon and M. Sharrock (Philadelphia, Pa., U.S.A.) 503 (1978) 56–66
- The effect of mitochondrial energization on cytochrome *c* oxidase kinetics as measured at low temperatures. II. The binding and reduction of dioxygen (BBA 47516)
by H.J. Harmon and M.K.F. Wikström (Philadelphia, Pa., U.S.A.) . . . 503 (1978) 67–77
- Affinity chromatography of H^+ -translocating adenosine triphosphatase isolated by chloroform extraction of *Rhodospirillum rubrum* chromatophores. Modification of binding affinity by divalent cations and activating anions (BBA 47520)
by G.D. Webster and J.B. Jackson (Birmingham, U.K.) 503 (1978) 135–154
- Kinetic studies on oxidized and partially reduced cytochrome *c* oxidase (BBA 47528)
by S. Rosén (Göteborg, Sweden) 503 (1978) 389–397

BBA-LIPIDS AND LIPID METABOLISM

- Steady-state kinetics of the anaerobic reaction of soybean lipoxygenase-1 with linoleic acid and 13-L-hydroperoxylinoleic acid (BBA 57198)
by J. Verhagen, G.A. Veldink, M.R. Egmond, J.F.G. Vliegthart, J. Boldingh and J. van der Star (Utrecht, The Netherlands) 529 (1978) 369–379
- Solubilization and partial purification of prostaglandin synthetase of rabbit kidney medulla (BBA 57196)
by S.G. Bhat, T. Yoshimoto, S. Yamamoto and I. Hayaishi (Kyoto, Japan) 529 (1978) 398–408
- Circadian rhythm of cholesterol-7 α -hydroxylase and cortisol in the African green monkey (*Cercopithecus aethiops*) (BBA 57195)
by F.H. Hulcher, R.D. Margolis and D.J. Bowman (Winston-Salem, N.C., U.S.A.) 529 (1978) 409–418
- Calcium-dependent lipolytic acyl-hydrolase activity in purified plant mitochondria (BBA 57192)
by R. Bligny and R. Douce (Grenoble, France) 529 (1978) 419–428
- Inhibition of liver prenyltransferase by alkyl phosphonates and phosphonophosphates (BBA 57204)
by T.S. Parker, G. Popják, K. Sutherland and S.-M. Wong (Los Angeles, Calif., U.S.A.) 530 (1978) 24–34
- Partial purification and properties of monoacylglycerol lipase and two esterases from isolated rat small intestinal epithelial cells (BBA 57206)
by B.J.P. de Jong, C. Kalkman and W.C. Hülsman (Rotterdam, The Netherlands) 530 (1978) 56–66
- Monoacylglycerol metabolism in rat small intestinal epithelial cells (BBA 57207)

- by B.J.P. de Jong, C. Kalkman and W.C. Hülsmann (Rotterdam, The Netherlands) 530 (1978) 67-77
- Triacylglycerol synthesis in lipid particles from baker's yeast (*Saccharomyces cerevisiae*) (BBA 57208)
- by K. Christiansen (Copenhagen, Denmark) 530 (1978) 78-90
- Triglyceridase and phospholipase A₁ activities of rat-heart lipoprotein lipase. Influence of apolipoproteins C-II and C-III (BBA 57209)
- by P.H.E. Groot, M.C. Oerlemans and L.M. Scheek (Rotterdam, The Netherlands) 530 (1978) 91-98

BBA-BIOMEMBRANES

- Ouabain-sensitive interaction between human red cell membrane and glycolytic enzyme complex in cytosol (BBA 78051)
- by E.T. Fossel and A.K. Solomon (Boston and Cambridge, Mass., U.S.A.) 510 (1978) 99-111
- Integration of alkaline phosphatase in the intestinal brush border membrane (BBA 78073)
- by A. Colbeau and S. Maroux (Marseille, France) 511 (1978) 39-51
- Two classes of site for ATP in the Ca²⁺-ATPase from human red cell membranes (BBA 78081)
- by D.E. Richards, A.F. Rega and P.J. Garrahan (Buenos Aires, Argentina) 511 (1978) 194-201
- The presence of two (Na⁺ + K⁺)-ATPase inhibitors in equine muscle ATP: vanadate and a dithioerythritol-dependent inhibitor (BBA 78084)
- by E.E. Quist and L.E. Hokin (Madison, Wisc., U.S.A.) 511 (1978) 202-212

BBA-NUCLEIC ACIDS AND PROTEIN SYNTHESIS

- Purification and properties of a cyclic AMP-independent protein kinase from calf thymus nuclei (BBA 99103)
- by E.G. Kranias and R.A. Jungmann (Chicago, Ill., U.S.A.) 517 (1978) 447-456
- Purification and characterization of two tRNA-(guanine)-methyltransferases from rat liver (BBA 99128)
- by J.M. Glick, V.M. Averyhart and P.S. Leboy (Philadelphia, Pa., U.S.A.) 518 (1978) 158-171
- Chemical and physical properties of mammalian mitochondrial aminoacyl-transfer RNAs. I. Molecular weights of mitochondrial leucyl- and methionyl-transfer RNAs (BBA 99143)
- by L. Aujame, R.B. Wallace and K.B. Freeman (Hamilton, Canada). 518 (1978) 308-320
- Chemical and physical properties of mammalian mitochondrial aminoacyl-transfer RNAs. II. Analysis of 7-methylguanosine in mitochondrial and cytosolic aminoacyl-transfer RNAs (BBA 99144)
- by R.B. Wallace, L. Aujame and K.B. Freeman (Hamilton, Canada). 518 (1978) 321-325
- Independent temporal expression of two N-substituted aminoacyl-tRNA hydrolases during the development of *Artemia salina* (BBA 99148)
- by J. Miralles, J. Sebastian and C.F. Heredia (Madrid, Spain) 518 (1978) 326-333
- Protein methylation in animal cells. I. Purification and properties of S-adenosyl-L-methionine:protein(arginine) N-methyltransferase from Krebs II ascites cells (BBA 99183)
- by P. Casellas and P. Jeanteur (Montpellier, France) 519 (1978) 243-254

- Protein methylation in animal cells. II. Inhibition of *S*-adenosyl-L-methionine:protein(arginine) *N*-methyltransferase by analogs of *S*-adenosyl-L-homocysteine (BBA 99184)
by P. Casellas and P. Jeanteur (Montpellier, France) 519 (1978) 255–268
- Analysis of larger than tetrameric poly(adenosine diphosphoribose) by a radioimmunoassay in nuclei separated in organic solvents (BBA 99207)
by A.M. Ferro, T. Minaga, W.N. Piper and E. Kun (San Francisco, Calif., U.S.A.) 519 (1978) 291–305
- Template-specific requirements for DNA synthesis by the Mason-Pfizer monkey virus DNA polymerase: unique aspects (BBA 99205)
by S.L. Marcus, N.H. Sarkar and M.J. Modak (New York, N.Y., U.S.A.) 519 (1978) 317–330