

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

- Effect of adrenergic stimulation on adenylate cyclase activity in rat prostate (BBA 29180)
by S. Shima, Y. Kawashima, M. Hirai and M. Asakura (Kawasaki, Japan) 628 (1980) 255—262
- Effect of membrane phospholipid composition changes on adenylate cyclase activity in normal and Rous-sarcoma-transformed chicken embryo fibroblasts (BBA 29188)
by S. Gidwitz, J.E. Pessin, M.J. Weber, M. Glaser and D.R. Storm (Seattle, WA and Urbana, IL, U.S.A.) 628 (1980) 263—276
- Regulation of phosphoenolpyruvate carboxykinase by glucagon and glucocorticoids in primary cultures of rat hepatocytes (BBA 29191)
by C. Schudt (Konstanz, F.R.G.) 628 (1980) 277—285
- Acetylcholinesterase solubilized from normal and dystrophic muscle by collagenase treatment (BBA 29195)
by S.-C. Sung (Vancouver, Canada) 628 (1980) 286—292
- The effect of turpentine-induced inflammation on rat liver glycosyl-transferases and Golgi complex ultrastructure (BBA 29211)
by C. Lombart, J. Sturgess and H. Schachter (Toronto, Canada) 629 (1980) 1— 12
- Hormonal interactions in mammalian collagenase regulation. Comparative studies in human skin and rat uterus (BBA 29198)
by T.J. Koob, J.J. Jeffrey, A.Z. Eisen and E.A. Bauer (St. Louis, MO, U.S.A.) 629 (1980) 13— 23
- Regulation of ornithine decarboxylase in cultured mouse mammary gland by the osmolarity in the cellular environment (BBA 29200)
by J.W. Perry and T. Oka (Bethesda, MD, U.S.A.) 629 (1980) 24— 35
- Radioimmunochemical determination of carbamoyl-phosphate synthase (ammonia) content of adult rat liver (BBA 29212)
by R. Charles, A. de Graaf and A.F.M. Moorman (Amsterdam, The Netherlands) 629 (1980) 36— 49
- Subcellular localization of adenylate cyclase in thymocytes (BBA 29213)
by A. Monneron and J. d'Alayer (Paris, France) 629 (1980) 50— 60
- Differences in the induction of thymidine kinase isozymes in estrogen-treated immature and adult rats (BBA 29222)
by N. Yamada, S. Sakamoto, Y. Sawasaki, H. Nakajima and R. Okamoto (Tokyo, Japan) 629 (1980) 61— 68
- Dissociation of chitosomes by digitonin into 16 S subunits with chitin synthetase activity (BBA 29209)

- by J. Ruiz-Herrera, S. Bartnicki-Garcia and C.E. Bracker (Mexico City, Mexico, Riverside, CA and West Lafayette, IN, U.S.A.) . . . 629 (1980) 201–216
- Effect of acriflavine on the hexokinase isozyme pattern of a yeast, *Hansenula jadinii* (BBA 29214)
- by A. Kimura, Y. Tatsutomi, H. Fukuda and H. Morioka (Kyoto, Japan) . . . 629 (1980) 217–224
- Hormonal regulation of glycogen synthase. Insulin decreases protein kinase sensitivity to cyclic AMP (BBA 29229)
- by R.J. Walkenbach, R. Hazen and J. Larner (Charlottesville, VA, U.S.A.) . . . 629 (1980) 421–430
- Cooperative action of β -glucan synthetase and UDP-xylose xylosyl transferase of Golgi membranes in the synthesis of xyloglucan-like polysaccharide (BBA 29230)
- by P.M. Ray (Stanford, CA, U.S.A.) . . . 629 (1980) 431–444
- Metabolic relationship between invertase and acid phosphatase isoenzymes in *Saccharomyces cerevisiae* (BBA 29252)
- by L. Rodriguez, T. Ruiz, M.V. Elorza, J.R. Villanueva and R. Sentandreu (Salamanca, Spain) . . . 629 (1980) 445–454

BBA-PROTEIN STRUCTURE

- Venom exonuclease. II. Amino acid composition and carbohydrate, metal ion and lipid content in the *Crotalus adamanteus* venom exonuclease (BBA 38384)
- by L.B. Dolapchiev, R.A. Vassileva and K.S. Koumanov (Sofia, Bulgaria) . . . 622 (1980) 331–336
- The prosthetic group of methylamine dehydrogenase from *Pseudomonas* AM1: evidence for a quinone structure (BBA 31302)
- by R. de Beer, J.A. Duine, J. Frank, Jr. and P.J. Large (Delft, The Netherlands) . . . 622 (1980) 370–374
- Magnetic circular dichroism studies on the electronic configuration of catalase compounds I and II (BBA 38393)
- by W.R. Browett and M.J. Stillman (London, Canada) . . . 623 (1980) 21–31
- Photo-oxidation of L-glutamate decarboxylase from *Escherichia coli*, sensitized by the coenzyme pyridoxal phosphate and by pro-flavin (BBA 38417)
- by I. Cozzani and G. Jori (Pisa and Padua, Italy) . . . 623 (1980) 84–88
- Dinitrophenylation of rabbit skeletal sarcoplasmic reticulum ATPase protein (BBA 38400)
- by G. Bailin (Piscataway, NJ, U.S.A.) . . . 623 (1980) 213–224
- Cyanylation of rhodanese by 2-nitro-5-thiocyanobenzoic acid (BBA 38431)
- (Rome, Italy) . . . 623 (1980) 348–353

BBA-BIOENERGETICS

- Influence of hyperthyroidism on the superprecipitation response and Ca^{2+} -sensitivity of natural actomyosin in cardiac and skeletal muscle (BBA 41328)
- by T. Toyooka and J. Ross, Jr. (La Jolla, CA, U.S.A.) . . . 590 (1980) 406–408
- Cytochrome *a*-type terminal oxidase derived from *Thiobacillus novellus*. Molecular and enzymatic properties (BBA 47835)
- by T. Yamanaka and K. Fujii (Osaka, Japan) . . . 591 (1980) 53–62
- Isolation and functional aspects of the fumarate reductase involved in the phosphorylative electron transport of *Vibrio succinogenes* (BBA 47870)
- by G. Unden, H. Hackenberg and A. Kröger (Munich, F.R.G.) . . . 591 (1980) 275–288

- Electron transport systems of *Candida utilis*. Purification and properties of the respiratory chain-linked external NADH dehydrogenase (BBA 47876)
by B. Mackler, B. Haynes, R. Person and G. Palmer (Seattle, WA and Houston, TX, U.S.A.) 591 (1980) 289–297
- Modulation of the flavin redox potential as mode of regulation of succinate dehydrogenase activity (BBA 47855)
by M. Gutman, F. Bonomi, S. Pagani, P. Cerletti and P. Kroneck (Tel Aviv, Israel, Milan, Italy and Konstanz, F.R.G.) 591 (1980) 400–408
- Resolution and reconstruction of succinate-cytochrome *c* reductase. Preparations and properties of high purity succinate dehydrogenase and ubiquinol-cytochrome *c* reductase (BBA 47871)
by C.-A. Yu and L. Yu (Albany, NY, U.S.A.) 591 (1980) 409–420
- Studies on the origin of the near-infrared (800–900 nm) absorption of cytochrome *c* oxidase (BBA 47868)
by H. Beinert, R.W. Shaw, R.E. Hansen and C.R. Hartzell (Madison, WI, U.S.A.) 591 (1980) 458–470
- Linear relation between rate and thermodynamic force in enzyme-catalyzed reactions (BBA 41332)
by R. van der Meer, H.V. Westerhoff and K. van Dam (Amsterdam, The Netherlands) 591 (1980) 488–493

BBA-LIPIDS AND LIPID METABOLISM

- Solubilization, partial purification and characterization of rat liver microsomal diacylglycerol acyltransferase (BBA 57514)
by M.A. Polokoff and R.M. Bell (Durham, NC, U.S.A.) 618 (1980) 129–142
- The effect of modification of sulfhydryl groups in soybean lipoxigenase-1 (BBA 57565)
by L.J.M. Spaapen, J. Verhagen, G.A. Veldink and J.F.G. Vliegthart (Utrecht, The Netherlands) 618 (1980) 153–162
- Lipolytic activity in adipocyte cell fractions (BBA 57557)
by Y. Oschry and B. Shapiro (Jerusalem, Israel) 618 (1980) 293–299
- Acid cholesterol ester and glycerol ester hydrolase activities. Evidence for the individuality of these enzymes in human mononuclear leucocytes (BBA 57545)
by W. Patsch, R. Rindler-Ludwig, S. Sailer and H. Braunsteiner (Innsbruck, Austria) 618 (1980) 337–346
- Identification of shellfish fatty acids and their effects on lipogenic enzymes (BBA 57577)
by N. Iritani, K. Inoguchi, M. Endo, E. Fukada and M. Morita (Osaka, Japan) 618 (1980) 378–382

BBA-BIOMEMBRANES

- Defective conformational response in a selectively trypsinized ($\text{Na}^+ + \text{K}^+$)-ATPase studies with tryptophan fluorescence (BBA 78686)
by P.L. Jørgensen and S.J.D. Karlsh (Aarhus, Denmark, and Rehovot, Israel) 597 (1980) 305–317
- ($\text{Ca}^{2+} + \text{Mg}^{2+}$)-ATPase in enriched sarcolemma from dog heart (BBA 78695)
by N.C. Morcos and G.I. Drummond (Calgary, Canada) 598 (1980) 27–39
- Alkaline phosphodiesterase-active antigens in plasma membranes of rat liver (BBA 78668)
by F. Blomberg and K. Berzins (Stockholm, Sweden) 598 (1980) 305–313
- Phosphorylation and dephosphorylation reactions by erythrocyte plasma membrane enzymes (BBA 78737)
by S. Fischer, M. Tortolero, J.-P. Piau, J. Delaunay and G. G. Schapira (Paris, France) 598 (1980) 463–471

- Phosphorylation of the isolated high-affinity ($\text{Ca}^{2+} + \text{Mg}^{2+}$)-ATPase of the human erythrocyte membrane (BBA 78708)
by R. Lichtner and H.U. Wolf (Ulm/Donau, F.R.G.) 598 (1980) 472—485
- Characterization of the phosphorylated intermediate of the isolated high-affinity ($\text{Ca}^{2+} + \text{Mg}^{2+}$)-ATPase of human erythrocyte membranes (BBA 78709)
by R. Lichtner and H.U. Wolf (Ulm/Donau, F.R.G.) 598 (1980) 486—493

BBA-NUCLEIC ACIDS AND PROTEIN SYNTHESIS

- Pyrophosphate analogues as inhibitors of herpes simplex virus type 1 DNA polymerase (BBA 99626)
by B. Eriksson, A. Larsson, E. Helgstrand, N.-G. Johansson and B. Öberg (Södertälje, Sweden) 607 (1980) 53—64
- The glutaminy-transfer RNA synthetase of *Escherichia coli*. Purification, structure and function relationship (BBA 99617)
by D. Kern, S. Potier, J. Lapointe and Y. Boulanger (Strasbourg, France and Laval, Canada) 607 (1980) 65—80
- α -Amanitin-resistant RNA polymerase II from carpophores of *Amanita* species accumulating amatoxins (BBA 99623)
by B.C. Johnson and J.F. Preston III (Gainesville, FL, U.S.A.) . . 607 (1980) 102—114
- Persistent cytoplasmic location of a DNA polymerase β in sea urchins during development (BBA 99629)
by P.M. Hobart and A.A. Infante (Middletown, CT, U.S.A.) 607 (1980) 256—268
- Fractionation of native and reconstituted chromatin by digestion with deoxyribonuclease II (BBA 99632)
by I.G. Pashev, M.M. Nenchewa and G.M. Markov (Sofia, Bulgaria) 607 (1980) 269—276
- Non-coordinate regulation of enzymes involved in transfer RNA metabolism in *Escherichia coli* (BBA 99636)
by T. Ny, J. Thomale, K. Hjalmarsson, G. Nass and G.R. Björk (Umea, Sweden and Freiburg, F.R.G.) 607 (1980) 277—284
- Purification and characterization of the RNA-directed DNA polymerase of a primate type-D retrovirus: Mason-Pfizer virus (BBA 99648)
by D. Colcher and J. Schlom (Bethesda, MD, U.S.A.) 607 (1980) 445—456
- Terminal transferase in acute lymphoblastic leukemia in gibbons (BBA 99671)
by P.S. Sarin, M. Virmani and B. Friedman (Bethesda, MD, U.S.A.) 608 (1980) 62—71