

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

- Branched-chain amino acid oxidation by isolated rat tissue preparations (BBA 27946)
by F.L. Shinnick and A.E. Harper (Madison, Wisc., U.S.A.) 437 (1976) 477—486
- Properties of mouse α -galactosidase (BBA 27965)
by A.J. Lusi and K. Paigen (Buffalo, N.Y., U.S.A.) 437 (1976) 487—497
- Monoamine oxidase in outer membrane of skeletal muscle mitochondria (BBA 27952)
by J. Himma-Hagen and C. Irwin (Ottawa, Canada) 437 (1976) 498—504
- Effects of prostaglandins and catecholamines on rat spleen adenylate cyclase in vitro (BBA 27966)
by F.W. Sweat and T.J. Wincek (Salt Lake City, Utah, U.S.A.) . . 437 (1976) 571—576
- Production of superoxide anion during the oxidation of hemoglobin by menadione (BBA 28018)
by B. Goldberg and A. Stern (New York, N.Y., U.S.A.) 437 (1976) 628—632
- 5-methyltetrahydrofolate-dependent methyltransferase activity in chronic erythremic myelosis and other types of anemias (BBA 21426)
by L. Kass and M.A. Boroush (Ann Arbor, Mich., U.S.A.) 437 (1976) 639—642
- Regulation of the pyruvate dehydrogenase activity in the isolated perfused heart of guinea-pigs (BBA 27980)
by H. Reinauer and E.R. Muller-Ruchholtz (Düsseldorf, G.F.R.) . 444 (1976) 33—42
- Characterization of fucosyl glycopeptides from cell surface and cellular material of rat fibroblasts (BBA 27974)
by T. Muramatsu, M. Ogata and N. Koide (Kobe, Japan) 444 (1976) 53—68
- Tryptic- and chymotryptic-like proteinases in early and late pre-implantation mouse blastocysts (BBA 27976)
by D. Dabich and T.J. Andary (Detroit, Mich., U.S.A.) 444 (1976) 147—153
- Galactosyltransferase activities during embryonic development of chick neural tissue (BBA 27992)
by S. Garfield and J. Ilan (Cleveland, Ohio, U.S.A.) 444 (1976) 154—163
- Analysis of the electron paramagnetic resonance spectrum of the cobalamin intermediate in ribonucleotide reduction (BBA 27990)
by R.E. Coffman, Y. Ishikawa, R.L. Blakley, H. Beinert and W.H. Orme-Johnson (Iowa City, Iowa, U.S.A.) 444 (1976) 307—318
- Photooxidation of methionine with immobilized methylene blue as photooxidizer (BBA 21428)
by C. Lewis and W.H. Scouten (Lewisburg, Pa., U.S.A.) 444 (1976) 326—330
- Copper deficiency and erythrocyte (2Cu, 2Zn-superoxide dismutase) (BBA 28023)
by W. Bohnenkamp and U. Weser (Tübingen, G.F.R.) 444 (1976) 396—406
- Establishment of the integrity of lysosomes in a glycoprotein-rich matrix. Distribution pattern of seven lysosomal enzymes in gastric mucosa (BBA 28007)
by M.I. Boutros, M.M. Gouri, H.S. Himal and D. Waldron-Edward (Montreal, Canada) 444 (1976) 508—518

- Reduction by cycloheximide of lysosomal proteolytic enzyme activity and rate of protein degradation in organ-cultured hearts (BBA 28005)
by K. Wildenthal and E.E. Griffin (Dallas, Texas, U.S.A.) 444 (1976) 519—524
- Ontogenetic changes in levels of phosphodiesterases for adenosine 3':5'-monophosphate and guanosine 3':5'-monophosphate in the lung, liver, brain and heart from guinea pigs (BBA 27995)
by C.W. Davis and J.F. Kuo (Atlanta, Ga., U.S.A.) 444 (1976) 554—562
- Subcellular distribution and properties of guanylate cyclase in rat cerebellum (BBA 28013)
by K. Nakazawa, M. Sano and T. Saito (Aichi, Japan) 444 (1976) 563—570
- Production of collagenase by mouse peritoneal macrophages in vitro. Characterization of sites of cleavage of tropocollagen (BBA 21431)
by P.A. Boxer and S.J. Leibovich (Rehovot, Israel) 444 (1976) 626—632

BBA-PROTEIN STRUCTURE

- A structural study of pig liver glyceraldehyde-3-phosphate dehydrogenase (BBA 37375)
by M.C. Zapponi, G. Ferri, L. Minchiotti and B.G. Forcina (Pavia, Italy) 439 (1976) 38—46
- Interaction between proteins and detergents which contain a hydrocarbon chain longer than 16 carbon atoms. III. Competitive inhibition of trypsin by cetyltrimethylbenzylammonium chloride (BBA 37387)
by K. Nakaya, A. Ushiwata and Y. Nakamura (Tokyo, Japan) . . . 439 (1976) 116—124
- The estimation and comparison of molecular weight of angiotensin I converting enzyme by sodium dodecyl sulfate-polyacrylamide gel electrophoresis (BBA 37389)
by J.J. Lanzillo and B.L. Fanburg (Boston, Mass., U.S.A.) 439 (1976) 125—132
- Purification and characterization of the fibrinolytic principle of *Agkistrodon acutus* venom (BBA 37384)
by C. Ouyand and T.-F. Huang (Taipei, Taiwan) 439 (1976) 146—153
- Specific fluorescent derivatives of macromolecules. Reaction of dansyl fluoride with serine proteinases (BBA 37395)
by W.L.C. Vaz and G. Schoellmann (New Orleans, La., U.S.A.) . . 439 (1976) 194—205
- Specific fluorescent derivatives of macromolecules. A fluorescence study of some specifically modified derivatives of chymotrypsin, trypsin and subtilisin (BBA 37396)
by W.L.C. Vaz and G. Schoellmann (New Orleans, La., U.S.A.) . . 439 (1976) 206—218
- Lysyl oxidase: a pituitary hormone-dependent enzyme (BBA 37405)
by S. Shoshan and S. Finkelstein (Jerusalem, Israel) 439 (1976) 358—362
- Purification and partial characterization of a protein proteinase inhibitor isolated from eggplant exocarp (BBA 37398)
by M. Kanamori, F. Ibuki, M. Tashiro, M. Yamada and M. Miyoshi (Kyoto and Osaka, Japan) 439 (1976) 398—405
- Ceruloplasmin-anion interaction. A circular dichroism spectroscopic study (BBA 37399)
by M. Herve, A. Garnier, L. Tosi and M. Steinbuch (Paris, Orsay and Bobigny, France) 439 (1976) 432—441
- Terminal residues of hog pancreatic amylase (BBA 37427)
by A.T. Romano and D.H. Strumeyer (New Brunswick, N.J., U.S.A.) 446 (1976) 19—29
- Purification and properties of pyruvate kinase from human lung (BBA 37425)
by E. Corcoran, J.J. Phelan and P.F. Fottrell (Galway, Republic of Ireland) 446 (1976) 96—104

- Molecular properties of rat intestinal alkaline phosphatase (BBA 37446)
by N. Malik and P.J. Butterworth (London, U.K.) 446 (1976) 105—114
- The effect of trypsin on bovine transferrin and lactoferrin (BBA 37430)
by J.H. Brock, F. Arzabe, F. Lampreave and A. Piñeiro (Zaragoza, Spain) 446 (1976) 214—225
- Intrinsic enzyme activity associated with tropoelastin (BBA 37442)
by R.P. Mecham, J.A. Foster and C. Franzblau (Boston, Mass., U.S.A.) 446 (1976) 245—254
- A new method for the determination of α_1 -protease inhibitor (α_1 -antitrypsin) phenotypes based on the formation of α_1 -protease inhibitor allele product · elastase complexes (BBA 37433)
by J.S. Baumstark, C.T. Lee and R.J. Luby (Omaha, Nebraska, U.S.A.) 446 (1976) 287—300
- Renaturation of formyltetrahydrofolate synthetase from urea and guanidinium chloride solutions (BBA 37431)
by C.K. Garrison, J.A.K. Harmony and R.H. Himes (Lawrence, Kan., U.S.A.) 446 (1976) 301—309

BBA-BIOENERGETICS

- Membrane-bound ATPase in chloroplasts of *Euglena gracilis* (BBA 47136)
by N. Porat, Y. Ben-Shaul and I. Friedberg (Ramat Aviv, Israel) . . 440 (1976) 365—376

BBA-LIPIDS AND LIPID METABOLISM

- Positional and fatty acid specificity of monoacyl- and diacyl-glycerol 3-phosphate formation by rabbit heart microsomes (BBA 56820)
by G. Zaror-Behrens and K.J. Kako (Ottawa, Canada) 441 (1976) 1—13
- Linoleic acid desaturation activity of liver microsomes of essential fatty acid deficient and sufficient rats (BBA 56818)
by R.O. Peluffo, A.M. Nervi and R.R. Brenner (La Plata, Argentina) 441 (1976) 25—31
- Phospholipid biosynthesis in sarcoplasmic reticulum membrane during development (BBA 56811)
by M.G. Sarzała and M. Pilarska (Warsaw, Poland) 441 (1976) 81—92
- Effects of local anaesthetics on phospholipases (BBA 56812)
by H. Kunze, N. Nahas, J.R. Traynor and M. Wurl (Göttingen, G.F.R.) 441 (1976) 93—102
- Cytidine-5'-monophospho-*N*-acetylneuraminic acid. Galactosyl-*N*-acetylgalactosaminyl-(*N*-acetylneuraminyl)-galactosyl-glucosylceramide sialyltransferase in the neurohypophysis of the rabbit (BBA 56808)
by J.T.R. Clarke and M.R. Mulcahey (Halifax, Canada) 441 (1976) 146—154
- The formation of *cis*-3 nonenal, *trans*-2-nonenal and hexanal from linoleic acid hydroperoxide isomers by a hydroperoxide cleavage enzyme system in cucumber (*Cucumis sativus*) fruits (BBA 56836)
by T. Galliard, D.R. Phillips and J. Reynolds (Norwich, U.K.) . . 441 (1976) 181—192
- Partial purification and properties of diglyceride kinase from *Escherichia coli* (BBA 56842)
by E.G. Schneider and E.P. Kennedy (Boston, Mass., U.S.A.) . . . 441 (1976) 201—212
- Studies on lysophospholipases. VIII. Immunochemical differences between two lysophospholipases from beef liver (BBA 56835)
by J.G.N. de Jong, A.M.H.P. van den Besselaar and H. van den Bosch (Utrecht, The Netherlands) 441 (1976) 221—230

- Acyl-CoA synthetases in guinea-pig liver mitochondria. Purification and characterization of a distinct propionyl-CoA synthetase (BBA 56837)
by P.H.E. Groot (Rotterdam, The Netherlands) 441 (1976) 260–267
- Activity and properties of CTP: choline phosphate cytidyltransferase in adult and fetal rat lung (BBA 56829)
by W. Stern, C. Kovac and P.A. Weinhold (Ann Arbor, Mich., U.S.A.) 441 (1976) 280–293
- Selective utilization of endogenous unsaturated phosphatidylcholines and diacylglycerols by cholinephosphotransferase of mouse lung microsomes (BBA 56851)
by M.G. Sarzala and L.M.G. van Golde (Utrecht, The Netherlands) 441 (1976) 423–432
- Activity of cholinephosphotransferase, lysolecithin:lysolecithin acyltransferase and lysolecithin acyltransferase in the developing mouse lung (BBA 56852)
by V. Oldenburg and L.M.G. van Golde (Utrecht, The Netherlands) 441 (1976) 433–444
- Phospholipases A₁ and A₂ in lamellar inclusion bodies of the alveolar epithelium of rabbit lung (BBA 56855)
by M.F. Heath and W. Jacobson (Cambridge, U.K.) 441 (1976) 443–452
- Hydrolysis of triphosphoinositides by a soluble fraction of *Crithidia fasciculata* (BBA 56857)
by F.St.C.B. Palmer (Halifax, Canada) 441 (1976) 477–487
- Cyclic peroxides and the thiobarbituric assay (BBA 56849)
by N.A. Porter, J. Nixon and R. Isaac (Durham, N.C., U.S.A.) 441 (1976) 506–512

BBA-BIOMEMBRANES

- Transfert du galactose dans les membranes des globules lipidiques du lait humain (Galactose transfer in the membrane of human milk globules) (BBA 77376)
par M.B. Martel et R. Got (Villeurbanne, France) 436 (1976) 789–799
- The effect of temperature on the galactosyl- and sialyltransferase and on the ultrastructure of Golgi membranes (BBA 77405)
by M. Mitranic, J.M. Sturgess and M.A. Moscarello (Toronto, Canada) 443 (1976) 190–197
- Temperature dependence of membrane function. Disparity between active potassium transport and (Na⁺ + K⁺)-ATPase activity (BBA 71261)
by J.C. Ellory and J.S. Willis (Urbana, Ill., U.S.A.) 443 (1976) 301–305
- Protein kinases associated with peripheral nerve myelin. I. Phosphorylation of endogenous myelin proteins and exogenous substrates (BBA 77442)
by H. Singh and N. Spritz (New York, N.Y., U.S.A.) 448 (1976) 325–337
- Studies on the phosphorylated intermediates of a K⁺-stimulated ATPase from rabbit gastric mucosa (BBA 77428)
by T.K. Ray and J.G. Forte (Berkeley, Calif., U.S.A.) 443 (1976) 451–467
- Properties of a bicarbonate-stimulated ATPase from rat uterus (BBA 77372)
by N. Iritani and W.W. Wells (East Lansing, Mich., U.S.A.) 436 (1976) 863–868

BBA-NUCLEIC ACIDS AND PROTEIN SYNTHESIS

- Aminoacylation of *Phaseolus vulgaris* cytoplasmic, chloroplastic and mitochondrial tRNAs^{Pro} and tRNAs^{Lys} by homologous and heterologous enzymes (BBA 98658)
by G. Jeannin, G. Burkard and J.H. Weil (Strasbourg, France) 442 (1976) 24–31