

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-MOLECULAR CELL RESEARCH

Generation of selective microenvironment at the cell periphery through bulk-phase hydrophilic polymers (BBA 11195)
by S.A. Ben-Sasson and P.A. Henkart (Bethesda, MD, U.S.A.)
763 (1983) 99–106

Distribution of three hexose derivatives across the pancreatic epithelium: paracellular shunts or cellular passage? (BBA 11209)
by T. Mèlèse and S.S. Rothman (San Francisco, CA, U.S.A.)
763 (1983) 212–219

Intracellular or extracellular calcium can be used to trigger C5a-stimulated enzyme secretion from rabbit neutrophils (BBA 11213)
by C.L. Stapleton, R.M. Barnard and D.E. Chandler (Tempe, AZ, U.S.A.)
763 (1983) 225–230

Study of the interaction of *Saccharomyces cerevisiae* with glucose by particle microelectrophoresis (BBA 11214)
by A.E. Beezer, R.J. Miles and S.R. Sivayogan (London, U.K.)
763 (1983) 251–257

Changes in protein glycosylation during chick embryo development (BBA 11218)
by P. Codogno, B. Bernard, J. Font and M. Aubery (Paris, France)
763 (1983) 265–275

Structural and physical changes in lysosomes from isolated rat hepatocytes treated with methylamine (BBA 11222)
by A.E. Solheim and P.O. Seglen (Oslo, Norway)
763 (1983) 284–291

Ionophore monensin induces Na^+ -dependent secretion from rabbit neutrophils. Requirement for intracellular Ca^{2+} stores (BBA 11220)
by F. Di Virgilio and B.D. Gomperts (London, U.K.)
763 (1983) 292–298

BBA-GENERAL SUBJECTS

Microencapsulation of erythrocytes in Eudragit-RL-coated calcium alginate (BBA 21520)
by F.V. Lamberti and M.V. Sefton (Toronto, Canada)
759 (1983) 81–91

Preparation and some properties of a derivative of wheat germ agglutinin with altered biological activity (BBA 21512)
by P. Ganguly, N.G. Fossett and R.M. Macleod (Memphis, TN, U.S.A.)
759 (1983) 108–116

Down regulation of macrophage mannose/*N*-acetylglucosamine receptors by elevated glucose concentrations (BBA 21521)
by J.E. Weiel and S.V. Pizzo (Durham, NC, U.S.A.)
759 (1983) 170–175

Stimulatory and inhibitory effects of hydrogen peroxide, diamide and vitamin K-5 on sugar transport in rat soleus muscle (BBA 21497)
by J. Forsayeth and M.K. Gould (Melbourne, Australia)
759 (1983) 184–191

The role of surface charge and hydrophobic interaction in the activation of rat liver adenylate cyclase (BBA 21523)
by B. Rubalcava, M.O. Grajales, J. Cerbon and J.A. Pliego (Mexico City, Mexico)
759 (1983) 243–249

Molecular mechanisms of odor sensing. VI. Some biochemical characteristics of a possible receptor for amino acids from the olfactory epithelium of the skate, *Dasyatis pastinaca*, and carp, *Cyprinus carpio* (BBA 21525)
by E.E. Fesenko, V.I. Novoselov, L.D. Krapivinskaya, N.F. Mjasoedov and J.A. Zolotarev (Moscow, U.S.S.R.)
759 (1983) 250–256

Galactose-particle receptor on liver macrophages. Quantitation of particle uptake (BBA 20055)
by R. Teradaira, V. Kolb-Bachofen, J. Schlepper-Schäfer and H. Kolb (Dusseldorf, F.R.G.)
759 (1983) 306–310

Stability and clearance of small unilamellar liposomes. Studies with normal and lipoprotein-deficient mice (BBA 21548)
by J. Senior, G. Gregoriadis and K.A. Mitropoulos (Harrow and London, U.K.)
760 (1983) 111–118

Fate of cholesterol-rich liposomes after subcutaneous injection into rats (BBA 21547)
by A. Tümer, C. Kirby, J. Senior and G. Gregoriadis (Harrow, U.K.)
760 (1983) 119–125

Isolation and characterization of polyphosphates from the yeast cell surface (BBA 21571)

by J.P.F. Tijssen, T.M.A.R. Dubbelman and J. Van Steveninck (Leiden, The Netherlands) 760 (1983) 143–148

Rapid measurement of drug release from temperature-sensitive liposomes by electron paramagnetic resonance and radioisotope techniques (BBA 21586)

by R.L. Magin and P.D. Morse II (Urbana, IL, U.S.A.) 760 (1983) 357–360

Elevated specific activity of 5'-nucleotidase in a spinal cord myelin fraction from shiverer mice. Comparison with other myelin-associated enzymes and myelin proteins (BBA 21592)

by T.R. Zimmerman and W. Cammer (New York, NY, U.S.A.) 760 (1983) 377–380

Identification of Le^b antigens in meconium of a phenotypically A Le (a⁺ b⁻) non-secretor individual (BBA 21595)

by G. Larson (Göteborg, Sweden) 760 (1983) 411–413

BBA-PROTEIN STRUCTURE & MOLECULAR ENZYMOLOGY

Interactions of phytochrome with detergents and liposomes (BBA 31684)

by I.-S. Kim, E.S. Kim and P.-S. Song (Lubbock, TX, U.S.A.) 747 (1983) 55–64

Determination of molecular weight of membrane proteins by the use of low-angle laser light scattering combined with high-performance gel chromatography in the presence of a non-ionic surfactant (BBA 31710)

by S. Maezawa, Y. Hoyashi, T. Nakae, J. Ishii, K. Kameyama and T. Takagi (Osaka, Tokyo and Kanagawa, Japan) 747 (1983) 291–297

Molecular weights of $\alpha\beta$ -protomeric and oligomeric units of soluble (Na⁺, K⁺)-ATPase determined by low-angle laser light scattering after high-performance gel chromatography (BBA 31731)

by Y. Hayashi, T. Takagi, S. Maezawa and H. Matsui (Tokyo and Osaka, Japan) 748 (1983) 153–167

Inhibition of (Na⁺, K⁺)-ATPase by magnesium ions and inorganic phosphate and release of these ligands in the cycles of ATP hydrolysis (BBA 31745)

by C.H. Pedemonte and L. Beaugé (Cordoba, Argentina) 748 (1983) 245–253

The effect of K⁺ on the equilibrium between the E₂ and the K⁺-occluded E₂ conformation of the (Na⁺ + K⁺)-ATPase (BBA 31755)

by M. Esmann and J.C. Skou (Aarhus, Denmark) 748 (1983) 413–417

BBA-BIOENERGETICS

Electroneutral H⁺-K⁺ exchange in liver mitochondria. Regulation by membrane potential (BBA 41344)

by P. Bernardi and G.F. Azzone (Padua, Italy) 724 (1983) 212–223

Kinetic analysis of bacterial reaction centers reconstituted in lipid bilayers (BBA 41347)

by H.-J. Apell, M. Snozzi and R. Bachofen (Constance, F.R.G. and Zurich, Switzerland) 724 (1983) 258–277

Inhibition of oxidative phosphorylation by a Ca²⁺-induced diminution of the adenine nucleotide translocator (BBA 41348)

by Moreno-Sánchez (Mexico City, Mexico) 724 (1983) 278–285

Differential inhibition of P_i-ATP exchange in relation to ATP synthesis and hydrolysis by modification of chloroplast thylakoid membranes with glutaraldehyde (BBA 41350)

by D. Bar-Zvi and N. Shavit (Beer Sheva, Israel) 724 (1983) 299–308

Transient currents carried by the uncoupler, carbonyl cyanide *m*-chlorophenylhydrazone (BBA 41349)

by K. O'Shaughnessy and S.B. Hladky (Oxford, U.K.) 724 (1983) 381–387

Triphenyltetrazolium and its derivatives are anisotropic inhibitors of energy transduction in oxidative phosphorylation in rat liver mitochondria (BBA 41376)

by T. Higuti, R. Arakaki, Y. Kotera, M. Takigawa, I. Tani and M. Shibuya (Tokushima, Japan) 725 (1983) 1–9

Inhibition by Sr²⁺ of specific mitochondrial Ca²⁺-efflux pathways (BBA 41374)

by N.-E.L. Saris and P. Bernardi (Helsinki, Finland and Padua, Italy) 725 (1983) 19–24

Membrane potential-dependent reduction of cytochrome *b*-6 in an algal mutant lacking Photosystem I centers (BBA 41381)

by J. Lavergne (Paris, France) 725 (1983) 25–33

Quantitative separation of spinach thylakoids into Photosystem II-enriched inside-out vesicles and Photosystem I-enriched right-side-out vesicles (BBA 41385)

by H.E. Åkerlund and B. Andersson (Lund, Sweden) 725 (1983) 34–40

Structural properties of the proteoliposomes catalyzing electron transport from formate to fumarate (BBA 41389)

by G. Uuden, E. Mörschel, M. Bokranz and A. Kröger (Marburg, F.R.G.) 725 (1983) 41–48

Interplay between hydroxylamine, metarhodopsin II and GTP-binding protein in bovine photoreceptor membranes (BBA 41368)

by K.P. Hofmann, D. Emeis and P.P.M. Schnetkamp (Freiburg, F.R.G. and Berkeley, CA, U.S.A.) 725 (1983) 60–70

The role of phospholipids in the molecular organization of pea chloroplast membranes. Effect of phospholipid depletion on photosynthetic activities (BBA 41379)

by B.R. Jordan, W.-S. Chow and A.J. Baker (Littlehampton, U.K.) 725 (1983) 77–86

Lateral heterogeneity in the distribution of thylakoid membrane lipid and protein components and its implications for the molecular organisation of photosynthetic membranes (BBA 41357)

by D.J. Murphy and I.E. Woodrow (Sheffield, U.K.) 725 (1983) 104–112

Freeze-fracture studies on barley plastid membranes. VII. Structural changes associated with phosphorylation of the light-harvesting complex (BBA 41377)

by D.J. Simpson (Adelaide, Australia) 725 (1983) 113–120

Proton electrochemical potential of the inner mitochondrial membrane in isolated perfused rat hearts, as measured by exogenous probes (BBA 41382)

by R. Kauppinen (Oulu, Finland) 725 (1983) 131–137

Acceleration of proton exchange between octanol and water by 2,4-dinitrophenol determined by ^1H -NMR spectrometry. A new model for proton transfer in a hydrophobic environment (BBA 41397)

by H. Terada, K. Shirakawa, F. Kametani and K. Yoshikawa (Tokushima, Japan) 725 (1983) 254–260

Measurement and significance of the membrane potential in *Methanobacterium bryantii* (BBA 41402)

by K.F. Jarrell and G.D. Sprott (Ottawa, Canada) 725 (1983) 280–288

The interaction of surfactants with the chloroplast thylakoid membrane at sub-solubilizing concentrations (BBA 41411)

by R.A. Bartzatt, C.-M. Yang and J.P. Markwell (Lincoln, NE, U.S.A.) 725 (1983) 341–348

Transmembrane pH gradients and functional heterogeneity in reconstituted vesicle systems (BBA 41419)

by D.H. Bell, L.K. Patterson and J.M. Gould (Notre Dame, IN and Peoria, IL, U.S.A.) 725 (1983) 368–375

Multiple effects of linolenic acid addition to pea thylakoids (BBA 41399)

by C. Vernotte, C. Solis, I. Moya, B. Maison, J.-M. Briantais, B. Arrio and G. Johannin (Gif-sur-Yvette and Orsay, France)

725 (1983) 376–383

Photosynthetic membrane development studied using picosecond fluorescence kinetics (BBA 41412)

by K.K. Karukstis and K. Sauer (Berkeley, CA, U.S.A.) 725 (1983) 384–393

Effects of electric field on the photocycle of bacteriorhodopsin (BBA 40030)

by S.K. Chamarovsky, E.P. Lukashev, A.A. Kononenko and A.B. Rubin (Moscow, U.S.S.R.) 725 (1983) 403–406

BBA-LIPIDS & LIPID METABOLISM

Experimental biliary obstruction of rat. Initial changes in the structure and lipid content of erythrocytes (BBA 51455)

by M. Taniguchi, F. Tanabe, H. Ishikawa and T. Sakagami (Sapporo, Japan) 753 (1983) 22–31

Isolation of lamellar bodies from rat granular pneumocytes in primary culture (BBA 51462)

by A. Chander, C.R. Dodia, J. Gil and A.B. Fisher (Philadelphia, PA, U.S.A.) 753 (1983) 119–129

Phospholipids and cholesterol in brush border and basolateral membranes from rat intestinal mucosa (BBA 50052)

by S. Chapelle and M. Gilles-Baillien (Liège, Belgium) 753 (1983) 269–271

Synthesis and subcellular transport of sulfogalactosyl glycerolipids in the myelinating mouse brain (BBA 51487)

by T. Burkart, L. Caimi and U.N. Wiesmann (Bern, Switzerland and Milan, Italy) 753 (1983) 294–299

An enzymatic rationale for the randomization of the positional distribution of fatty acids in phospholipids of ascites hepatoma AH 130 (BBA 51507)

by R. Takenaka, M. Inoue, T. Hori and H. Okuyama (Nagoya, Japan) 754 (1983) 28–37

Surface-active phospholipase A₂ in mouse spermatozoa (BBA 51511)

by J.K. Thakkar, J. East, D. Seyler and R.C. Franson (Richmond, VA, U.S.A.) 754 (1983) 44–50