

## 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

Differences in the reduction kinetics of incorporated spin labels in undifferentiated and differentiated mouse neuroblastoma cells (BBA 11464)

by K.-Y. Chen and M.G. McLaughlin (New Brunswick, NJ, U.S.A.) 845 (1985) 189–195

Role of surface *N*-acetylglucosamine residues on host cell infection by *Trypanosoma cruzi* (BBA 11466)

by F. Villalta and F. Kierszenbaum (East Lansing, MI, U.S.A.) 845 (1985) 216–222

Suppression of 1,25-dihydroxy-vitamin D<sub>3</sub>-dependent calcium transport by protein synthesis inhibitors and changes in phospholipids in skeletal muscle (BBA 11453)

by A.R. de Boland and R. Boland (Bahia Blanca, Argentina) 845 (1985) 237–241

Regulation of 24,25-dihydroxyvitamin D-3 production by 1,25-dihydroxyvitamin D-3 and synthetic human parathyroid hormone fragment 1–34 in a cloned monkey kidney cell line (JTC-12) (BBA 11498)

by T. Matsumoto, Y. Kawanobe and E. Ogata (Tokyo, Japan) 845 (1985) 358–365

The effect of catecholamines and adenosine deaminase on the glucose transport system in rat adipocytes (BBA 11499)

by J. Gliemann, S.B. Bowes, T.R. Larsen and W.D. Rees (Aarhus, Denmark) 845 (1985) 373–379

Insulin effect on translational diffusion of lipids and proteins in the plasma membrane of isolated rat hepatocytes (BBA 11496)

by M. Stuschke and H. Bojar (Düsseldorf, F.R.G.) 845 (1985) 436–444

Ouabain- and potassium-induced stimulation of amylase release in fragments and acini of rabbit pancreas (BBA 11509)

by G.A.J. Kuipers, I.G.P. van Nooy and J.J.H.H.M. de Pont (Nijmegen, The Netherlands) 845 (1985) 454–462

Erythroid differentiation of cultured murine erythroleukemia cells by the spermine analogue canavalmine (BBA 11512)

by S. Fujihara, T. Nakashima and Y. Kuroguchi (Kashihara, Japan) 846 (1985) 101–108

Comparative effects of trypsin, collagenase and mechanical harvesting on cell membrane lipids studied in monolayer-cultured endothelial cells and a green monkey kidney cell line (BBA 11521)

by C.J. Kirkpatrick, I. Melzner and T. Göller (Ulm, F.R.G.) 846 (1985) 120–126

Regulation of glucose transport in Ca<sup>2+</sup>-tolerant myocytes from adult rat heart (BBA 11538)

by I. Bihler, S.R. McNevin and P.C. Sawh (Winnipeg, Canada) 846 (1985) 208–215

Insertion of lipid domains into plasma membranes by fusion with erythrocytes (BBA 11539)

by R.A. Schlegel, K. Lumley-Sapanski and P. Williamson (University Park, PA and Amherst, MA, U.S.A.) 846 (1985) 234–241

Glucocorticoid effects on membrane lipid mobility during differentiation of murine B lymphocytes (BBA 11536)

by K.M. Keating, D.A. Roess, J.S. Peacock and B.G. Barisas (Fort Collins, CO, U.S.A.) 846 (1985) 305–312

### BBA-GENERAL SUBJECTS

Isolation, characterization and protein and polar lipid compositions of *Paracoccus denitrificans* outer membrane (BBA 22076)

by P.A. Nauyals, M.S. Hindahl and B.J. Wilkinson (Normal, IL, U.S.A.) 840 (1985) 297–308

Calcium and *Saccharomyces cerevisiae* (BBA 22073)

by L. Kováč (Ivanka pri Dunaji, Czechoslovakia) 840 (1985) 317–322

Effects of monovalent cations and anions on ADP-induced aggregation of bovine platelets, and mechanisms thereof (BBA 22066)

by S. Kitagawa, H. Seki and F. Kametani (Tokushima, Japan) 840 (1985) 371–376

Placental formation of lactate from transferred L-alanine and its impairment by aminooxyacetate in the late-pregnant rat (BBA 22094)

by M. Palacín, M.A. Lasunción, R.M. del Río and E. Herrera (Madrid, Spain) 841 (1985) 90–96

Altered membrane association of glycogen phosphorylase in the dystrophic chicken (BBA 20105)  
by P.M. Sokolove (Baltimore, MD, U.S.A.) 841 (1985) 232–236

## BBA-PROTEIN STRUCTURE & MOLECULAR ENZYMOLOGY

Identification of the milk fat globule membrane proteins. II. Isolation of major proteins from electrophoretic gels and comparison of their amino acid compositions (BBA 32257)  
by J.J. Basch, R. Greenberg and H.M. Farrell, Jr. (Philadelphia, PA, U.S.A.) 830 (1985) 127–135

Horse kidney neutral  $\alpha$ -D-glucosidase: purification of the detergent-solubilized enzyme; comparison with the proteinase-solubilized forms (BBA 32285)  
by J. Giudicelli, M. Boudouard, P. Delqué, C. Vannier and P. Sudaka (Nice, France) 831 (1985) 59–66

Glyceraldehyde-3-phosphate dehydrogenase of rat erythrocytes has no membrane component (BBA 32296)  
by S.K. Ballas, H.J. Kliman and E.D. Smith (Philadelphia, PA, U.S.A.) 831 (1985) 142–149

## BBA-BIOENERGETICS

Photosynthetic properties of rapidly permeabilized cells of the cyanobacterium *Anacystis nidulans* (BBA 41741)  
by G.C. Papageorgiou and T. Lagoyanni (Athens, Greece) 807 (1985) 230–237

Inhibition of *Escherichia coli*  $H^+$ -ATPase by venturicidin, oligomycin and ossamycin (BBA 41740)  
by D.S. Perlin, L.R. Latchney and A.E. Senior (Rochester, NY, U.S.A.) 807 (1985) 238–244

Light-induced generation of a protonmotive force and  $Ca^{2+}$ -transport in membrane vesicles of *Streptococcus cremoris* fused with bacteriorhodopsin proteoliposomes (BBA 41757)  
by A.J.M. Driessen, K.J. Hellingwerf and W.N. Konings (Haren, The Netherlands) 808 (1985) 1–12

Preparation of reconstituted cytochrome oxidase vesicles with defined trans-membrane protein orientations employing a cytochrome *c* affinity column (BBA 41778)  
by T.D. Madden and P.R. Cullis (Vancouver, Canada) 808 (1985) 219–224

Tightly bound sulpholipids in chloroplast  $CF_0$ - $CF_1$  (BBA 41802)  
by U. Pick, K. Gounaris, M. Weiss and J. Barber (Rehovot, Israel, and London, U.K.) 808 (1985) 415–420

A new method for the determination of the buffer power of artificial phospholipid vesicles by stopped-flow spectroscopy (BBA 41807)  
by P. Sarti, F. Malatesta, G. Antonini, A. Colosimo and M. Brunori (Rome, Italy) 809 (1985) 39–43

ESR studies of light-dependent volume changes in cell envelope vesicles from *Halobacterium halobium* (BBA 41809)  
by R.J. Mehlhorn, B. Schobert, L. Packer and J.K. Lanyi (Berkeley and Irvine, CA, U.S.A.) 809 (1985) 66–73

$Ba^{2+}$  ions inhibit the release of  $Ca^{2+}$  ions from rat liver mitochondria (BBA 41823)  
by G.L. Lukács and A. Fonyó (Budapest, Hungary) 809 (1985) 160–166

Studies of protein-phospholipid interaction in isolated mitochondrial ubiquinone-cytochrome *c* reductase (BBA 41827)  
by S.-H. Gwak, L. Yu and C.-A. Yu (Stillwater, OK, U.S.A.) 809 (1985) 187–198

Rotational mobility and domain flexibility of membrane-bound bacterial coupling factor as detected with the triplet probe eosin-isothiocyanate (BBA 41838)  
by R. Casadio and R. Wagner (Osnabrück, F.R.G.) 809 (1985) 215–227

Measurement of diffusion potentials in liposomes. Origin and properties of the threshold level in the oxonol VI response (BBA 41840)  
by K. Krab, H.S. van Walraven, M.J.C. Scholts and R. Kraayenhof (Amsterdam, The Netherlands) 809 (1985) 228–235

ATP synthesis by ATPase proteoliposomes from the thermophilic cyanobacterium *Synechococcus* 6716 by ionophore-induced electric potentials and proton gradients (BBA 41841)  
H.S. van Walraven, M.J.M. Hagendoorn, K. Krab, N.P. Haak and R. Kraayenhof (Amsterdam, The Netherlands) 809 (1985) 236–244

## BBA-LIPIDS & LIPID METABOLISM

Arachidonic acid metabolism in isolated pancreatic islets. IV. Negative ion-mass spectrometric quantitation of mono-oxygenase product synthesis by liver and islets (BBA 51922)  
by J. Turk, B.A. Wolf, P.G. Comens, J. Colca, B. Jakschik and M.L. McDaniel (St. Louis, MO, U.S.A.) 835 (1985) 1–17

Transport of fatty acids across the membrane of human erythrocyte ghosts (BBA 51928)  
by O. Morand and M.-S. Aigrot (Paris, France) 835 (1985) 68–76

Release of carnitine from the perfused rat liver (BBA 51930)  
by A. Sandor, G. Kispal, B. Melegh and I. Alkonyi (Pécs, Hungary) 835 (1985) 83–91

Fluorescence assay of the specificity of human plasma and bovine liver phospholipid transfer proteins (BBA 51937)  
by J.B. Massey, D. Hickson-Bick, D.P. Via, A.M. Gotto, Jr. and H.J. Pownall (Houston, TX, U.S.A.) 835 (1985) 124–131

The kinetics of changes in the fatty acid composition of *Neurospora erassa* lipids after a temperature increase (BBA 51938)  
by J.P. Vokt and S. Brody (La Jolla, CA, U.S.A.) 835 (1985) 176–182

Asymmetric synthesis and transmembrane movement of phosphatidylethanolamine synthesised by base-exchange in rat liver endoplasmic reticulum (BBA 51948)

by J.L. Hutson and J.A. Higgins (Sheffield, U.K.)

835 (1985) 236–243

Antioxidant and co-antioxidant activity of vitamin C. The effect of vitamin C, either alone or in the presence of vitamin E or a water-soluble vitamin E analogue, upon the peroxidation of aqueous multilamellar phospholipid liposomes (BBA 51958)

by T. Doba, G.W. Burton and K.U. Ingold (Ottawa, Canada)

835 (1985) 298–303

Kinetics of phospholipid transfer between liposomes (neutral or negatively charged) and high-density lipoproteins: a spin-label study of early events (BBA 51977)

by A. Bienvenue, M. Vidal, J. Sainte-Marie and J. Philpott (Montpellier, France)

835 (1985) 557–566

The capacity of the sarcoplasmic reticulum for phospholipid synthesis: a developmental study (BBA 51979)

by R. Cornell and D.H. MacLennan (Toronto, Canada)

835 (1985) 567–576

Nonpolar lipid and phospholipid methylation during development of *Dictyostelium discoideum* (BBA 52004)

by A. van Waarde and P.J.M. van Hoof (Leiden, The Netherlands)

836 (1985) 27–38

The phospholipid-*N*-methyltransferase of rat brain microsomes (BBA 51999)

by V.S. Bansal and J.N. Kanfer (Winnipeg, Canada)

836 (1985) 73–79

The ionization behaviour of DL- $\alpha$ -tocopherol (vitamin E) in model membranes: micelles and vesicles (BBA 50112)

by C.J. Drummond and F. Grieser (Melbourne, Australia)

836 (1985) 275–278