

## 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-PROTEIN STRUCTURE & MOLECULAR ENZYMOLOGY

Characterization of cyclic 3':5'-AMP-dependent protein kinase in sarcoplasmic reticulum and cytosol of canine myocardium (BBA 31373)

by E.G. Kranias, A. Schwartz and R.A. Jungmann (Cincinnati, OH and Chicago, IL, U.S.A.) 709 (1982) 28–37

A protein inhibitor of erythrocyte membrane (Ca<sup>2+</sup> + Mg<sup>2+</sup>)-ATPase (BBA 31434)

by K.S. Lee and K.S. Au (Hong Kong, Hong Kong) 742 (1983) 54–62

Isolation and partial characterization of an aggregation-competent stage-specific antigen prepared by phenol/water extraction from *Dictyostelium discoideum* (BBA 31446)

by T. Hirano, H. Yamada and T. Miyazaki (Tokyo, Japan) 742 (1983) 224–234

Thermodynamics of binding between saccharides and *Helix pomatia* A hemagglutinin (BBA 31456)

by T. Yoshii and I. Ishiyama (Tokyo, Japan) 742 (1983) 235–242

### BBA-MOLECULAR CELL RESEARCH

Ionophores and intact cells. I. Valinomycin and nigericin act preferentially on mitochondria and not on the plasma membrane of *Saccharomyces cerevisiae* (BBA 11103)

by L. Kováč, E. Böhmerová and P. Butko (Ivanka pri Dunaji, Czechoslovakia) 721 (1982) 341–348

Ionophores and intact cells. II. Olefin acts on mitochondria and induces disintegration of the mitochondrial genome in yeast *Saccharomyces cerevisiae* (BBA 11104)

by L. Kováč, V. Poliachová and I. Horváth (Ivanka pri Dunaji, Czechoslovakia, and Budapest, Hungary) 721 (1982) 349–356

Effect of the absence of bicarbonate upon intracellular pH and calcium fluxes in pancreatic islet cells (BBA 11105)

by P. Lebrun, W.J. Malaisse and A. Herchuelz (Brussels, Belgium) 721 (1982) 357–365

Isolated cardiac myocytes. A new cellular model for studying insulin modulation of monosaccharide transport (BBA 11093)

by C.A. Lindgren, D.J. Paulson and M.F. Shanahan (Madison, WI, U.S.A.) 721 (1982) 385–393

Inhibition of phospholipid methylation in isolated rat hepatocytes by analogues of adenosine and S-adenosylhomocysteine (BBA 11096)

by J.-S. Schanche, T. Schanche and P.M. Ueland (Bergen, Norway) 721 (1982) 399–407

Down-regulation of enkephalin ( $\delta$ ) receptors. Demonstration in membrane-bound and solubilized receptors (BBA 11111)

by R. Simantov, R. Levy and D. Baram (Rehovot, Israel) 721 (1982) 478–484

### BBA-BIOENERGETICS

Orientation of the pigments in the thylakoid membrane and in the isolated chlorophyll-protein complexes of higher plants. III. A quantitative comparison of the low-temperature linear dichroism spectra of thylakoids and isolated pigment-protein complexes (BBA 41175)

by P. Tapie, P. Haworth, G. Hervo and J. Breton (Gif-sur-Yvette, France) 682 (1982) 339–344

Decay of membrane potential under phosphorylating conditions in chloroplasts with in vivo activated ATPase (BBA 41208)

by S. Itoh and S. Morita (Fukuoka, Japan) 682 (1982) 413–419

Efficiency of proton extrusion by chemically modified mitochondria (BBA 41211)

by L.P. Ting and J.H. Wang (Buffalo, NY, U.S.A.) 682 (1982) 474–481

Orientation of pigments in the thylakoid membrane and in the isolated chlorophyll-protein complexes of higher plants. IV. The 100 K linear dichroism spectra of thylakoids from wild-type and chlorophyll b-less-barley thylakoids (BBA 40017)

by P. Haworth, P. Tapie, C.J. Arntzen and J. Breton (Gif-sur-Yvette, France and East Lansing, MI, U.S.A.) 682 (1982) 504–506

A reevaluation of the events leading to the electrogenic reaction and proton translocation in the ubiquinol-cytochrome c oxidoreductase of *Rhodospseudomonas sphaeroides* (BBA 41215)

by K. Matsuura, D.P. O'Keefe and P.L. Dutton (Philadelphia, PA, U.S.A.) 722 (1983) 12–22

Purification and properties of the membrane-bound NADH dehydrogenase from hydrocarbon-grown *Acinetobacter calcoaceticus* (BBA 41225)

by P. Borneleit and H.-P. Kleber (Leipzig, G.D.R.) 722 (1983) 94–101

The influence of uncouplers on proton-sugar symport in *Saccharomyces fragilis* (BBA 41229)

by P.J.A. Van den Broek and J. Van Steveninck (Leiden, The Netherlands) 722 (1983) 102–106

Mechanistic differences in the energy-linked fluorescence decreases of 9-aminoacridine dyes associated with bovine heart submitochondrial membranes (BBA 41221)

by C.-S. Huang, S.J. Kopacz and C.-P. Lee (Detroit, MI, U.S.A.) 722 (1983) 107–115

A study on the lateral distribution of the plastoquinone pool with respect to Photosystem II in stacked and unstacked spinach chloroplasts (BBA 41239)

by R.C. Jennings, F.M. Garlaschi and P.D. Gerola (Milan, Italy) 722 (1983) 144–149

Localized or delocalized protons in photophosphorylation? On the accessibility of the thylakoid lumen for ions and buffers (BBA 41237)

by Y.Q. Hong and W. Junge (Osnabrück, F.R.G.) 722 (1983) 197–208

Phloretin – an uncoupler and an inhibitor of mitochondrial oxidative phosphorylation (BBA 41240)

by P.C. De Jonge, T. Wieringa, J.P.M. Van Putten, H.M.J. Krans and K. Van Dam (Amsterdam and Leiden, The Netherlands) 722 (1983) 219–225

Proteins and polypeptides of envelope membranes from spinach chloroplasts. I. Isoelectric focusing and sodium dodecyl sulfate polyacrylamide gel electrophoresis separations (BBA 41242)

by P.-A. Siegenthaler and T.D. Nguyen (Neuchâtel, Switzerland) 722 (1983) 226–233

Changes in thylakoid polypeptide phosphorylation during membrane biogenesis in *Chlamydomonas reinhardtii* y-1 (BBA 41227)

by G.C. Owens and I. Ohad (Jerusalem, Israel) 722 (1983) 234–241

## BBA-LIPIDS & LIPID METABOLISM

The effects of altered levels of phosphatidylcholine and phosphatidylethanolamine on fatty acid desaturase activity and

sterol metabolism during temperature acclimation in a choline auxotroph of *Neurospora crassa* (BBA 51256)

by A.M. Johnston, L.R. Aaronson and C.E. Martin (New Brunswick, NJ, U.S.A.) 713 (1982) 512–518

Comparison of human and rat liver microsomes by spin label and biochemical analysis (BBA 50031)

by G. Benga, V.I. Pop, M. Ionescu, A. Hodârnu, R. Tilinca and P.T. Francopol (Cluj-Napoca and Bucharest-Magurele, Roumania) 750 (1983) 194–199

## BBA-GENERAL SUBJECTS

Transport and metabolic effects of  $\alpha$ -aminoisobutyric acid in *Saccharomyces cerevisiae* (BBA 21287)

by K.W. Kim and R.J. Roon (Minneapolis, MN, U.S.A.) 719 (1982) 356–362

Isolation and characterization of monoclonal antibodies to  $(Na^+ + K^+)$ -ATPase (BBA 21276)

by W.J. Ball, A. Schwartz and J.L. Lessard (Cincinnati, OH, U.S.A.) 719 (1982) 413–423

Liposomes disposition in vivo. V. Liposome stability in plasma and implications for drug carrier function (BBA 21303)

by C.A. Hunt (San Francisco, CA, U.S.A.) 719 (1982) 450–463

Phospholipid-nucleoside conjugates. The aggregational characteristics and morphological aspects of selected 1- $\beta$ -D-arabinofuranosylcytosine 5'-diphosphate-L-1,2-diacylglycerols (BBA 21306)

by M. MacCoss, J.J. Edwards, T.M. Seed and S.P. Spragg (Argonne, IL, U.S.A. and Birmingham, U.K.) 719 (1982) 544–555

Intracellular localization of *N*-formyl chemotactic receptor and  $Mg^{2+}$ -dependent ATPase activities in human granulocytes (BBA 21311)

by A.J. Jesaitis, J.R. Naemura, R.G. Painter, L.A. Sklar and C.G. Cochrane (La Jolla, CA, U.S.A.) 719 (1982) 556–568

Release of vitamin B-12 in vitro from intrinsic factor-vitamin B-12 complex. Purification and characterization of a releasing factor from rat ileal brush border (BBA 21291)

by S.V. Khadapkar and U.K. Vakil (Bombay, India) 719 (1982) 620–633

Cyclic AMP-dependent protein phosphorylation and dephosphorylation alter phosphate transport in canine renal brush border vesicles (BBA 21316)

by M.R. Hammermann, V.A. Hansen and J.J. Morrissey (St. Louis, MO, U.S.A.) 755 (1983) 10–16