

AUTHOR INDEX

- Aberer, W., see Schuler, G. (513) 244
- Appelkvist, E.L. and Dallner, G.
 Localization of protein-bound carbohydrate residues on the cytoplasmic surface of rough and smooth microsomes and Golgi vesicles from rat liver (513) 173
- Archer, D.B., Rodwell, A.W. and Rodwell, E.S.
 The nature and location of *Acholeplasma laidlawii* membrane proteins investigated by two-dimensional gel electrophoresis (513) 268
- Bakker-Grunwald, T.
 Effect of anions on potassium self-exchange in ascites tumor cells (513) 292
- Barsukov, L.I., Dam, C.W., Bergelson, L.D., Muzja, C.I. and Wirtz, K.W.A.
 Affinity chromatography of the phosphatidylcholine exchange protein from bovine liver (513) 198
- Baumgold, J., see Pant, H.C. (513) 132
- Bennett, J.P., Smith, G.A., Houslay, M.D., Hesketh, T.R., Metcalfe, J.C. and Warren, G.B.
 The phospholipid headgroup specificity of an ATP-dependent calcium pump (513) 310
- Bergelson, L.D., see Barsukov, L.I. (513) 198
- Bock, H.-G.O., see McIntyre, J.O. (513) 255
- Buckland, R.M., Radda, G.K. and Shennan, C.D.
 Accessibility of phospholipids in the chromaffin granule membrane (513) 321
- Cadenhead, D.A., see Kellner, B.M.J. (513) 301
- Callahan, J.W., see Juliano, R.L. (513) 285
- Cheng, L.C., Rogus, E.M. and Zierler, K.
 Specific D-glucose transport in Sarcolemma vesicles (513) 141
- Chevallier, M.R., see Losson, R. (513) 296
- Chin, J.H., Parsons, L.M. and Goldstein, D.B.
 Increased cholesterol content of erythrocyte and brain membranes in ethanol-tolerant mice (513) 358
- Cooper, J.R. and Kent, P.W.
 The composition and biosynthesis of the glycoproteins and glycolipids of the rabbit small-intestinal brush border (513) 364
- Cullis, P.R. and De Kruijff, B.
 The polymorphic phase behaviour of phosphatidylethanolamines of natural and synthetic origin. A ^{31}P NMR study (513) 31
- Cullis, P.R., Van Dijk, P.W.M., De Kruijff, B. and De Gier, J.
 Effects of cholesterol on the properties of equimolar mixtures of synthetic phosphatidylethanolamine and phosphatidylcholine. A ^{31}P NMR and differential scanning calorimetry study (513) 21
- Cullis, P.R., Verkley, A.J. and Ververgaert, P.H.J.T.
 Polymorphic phase behaviour of cardiolipin as detected by ^{31}P NMR and freeze fracture techniques. Effects of calcium, dibucaine and chlorpromazine (513) 11
- Dallner, G., see Appelkvist, E.L. (513) 173
- Dam, C.W., see Barsukov, L.I. (513) 198
- De Gier, J., see Cullis, P.R. (513) 21
- De Kruijff, B., see Cullis, P.R. (513) 21
- De Kruijff, B., see Cullis, P.R. (513) 31
- Devés, R. and Krupka, R.M.
 Testing transport models with substrates and reversible inhibitors (513) 156
- Durbin, R.P. and Helander, H.F.
 Distribution of osmotic flow in stomach and gallbladder (513) 179
- Farfás R.N., see Siñeriz, F. (513) 78
- Fettiplace, R.
 The influence of the lipid on the water permeability of artificial membranes (513) 1
- Fleischer, S., see McIntyre, J.O. (513) 255

- Garrahan, P.J. and Rega, A.F.
Activation of partial reactions of the Ca^{2+} -ATPase from human red cells by Mg^{2+} and ATP (513) 59
- Gainer, H., see Pant, H.C. (513) 132
- Geck, P., see Pietrzyk, C. (513) 89
- Goldstein, B.J. and Livingston, J.N.
Effects in adipocytes of diamide on GSH levels, glucose uptake and cell integrity (513) 99
- Goldstein, D.B., see Chin, J.H. (513) 358
- Grathwohl, C., see McLaughlin, A. (513) 338
- Hartman, A. and Heilbronn, E.
Synaptic membranes from *Torpedo marmorata* electric organ. 1. Separation and analysis of nicotinic acetylcholine receptor- and acetylcholinesterase-containing membrane vesicles using aqueous two-phase systems (513) 382
- Haydon, D.A., see Hendry, B.M. (513) 106
- Heilbronn, E., see Hartman, A. (513) 382
- Heinz, E., see Pietrzyk, C. (513) 89
- Helander, H.F., see Durbin, R.P. (513) 179
- Hellingwerf, K.J., Scholte, B.J. and Van Dam, K.
Bacteriorhodopsin vesicles. An outline of the requirements for light-dependent H^+ pumping (513) 66
- Hendry, B.M., Urban, B.W. and Haydon, D.A.
The blockage of the electrical conductance in a pore-containing membrane by the n-alkanes (513) 106
- Hesketh, T.R., see Bennett, J.P. (513) 310
- Houslay, M.D., see Bennett, J.P. (513) 310
- Juliano, R.L., Moore, M.R., Callahan, J.W. and Lowden, J.A.
Concanavalin A promotes the uptake of lysosomal hydrolases by human fibroblasts (513) 285
- Jund, R., see Losson, R. (513) 296
- Kellner, B.M.J. and Cadenhead, D.A.
Fluorescent probes in model membranes. II. Monolayer studies of 2,2'-(vinylene-di-p-phenylene)bisbenzoxazole, d-3-amino-desoxyequilenin and N-octadecylnaphthyl-2-amino-6-sulfonic acid with host-lipid tetradecanoic acid (513) 301
- Kent, P.W., see Cooper, J.R. (513) 364
- Krupka, R.M., see Devés, R. (513) 156
- Kuronen, T., see Saraste, M. (513) 117
- Lange, Y., see Tall, A.R. (513) 185
- Livingston, J.N., see Goldstein, B.J. (513) 99
- Losson, R., Jund, R. and Chevallier, M.R.
Properties of three distinct pyrimidine transport systems in yeast. Evidence for distinct energy coupling (513) 296
- Lowden, J.A., see Juliano, R.L. (513) 285
- Maimon, J., see Puszkin, P. (513) 205
- McIntosh, T.J.
The effect of cholesterol on the structure of phosphatidylcholine bilayers (513) 43
- McIntyre, J.O., Bock, H.-G.O. and Fleischer, S.
The orientation of D- β -hydroxybutyrate dehydrogenase in the mitochondrial inner membrane (513) 255
- McLaughlin, A., Grathwohl, C. and McLaughlin, S.
The adsorption of divalent cations to phosphatidylcholine bilayer membranes (513) 338
- McLaughlin, S., see McLaughlin, A. (513) 338
- Metcalfe, J.C., see Bennett, J.P. (513) 310
- Michalak, M., see Sarzala, M.G. (513) 221
- Moore, M.R., see Juliano, R.L. (513) 285
- Moreno, H., see Siñeriz, F. (513) 78
- Muzja, C.I., see Barsukov, L.I. (513) 198
- Nagle, J.F. and Scott, H.L., Jr.
Lateral compressibility of lipid mono- and bilayers. Theory of membrane permeability (513) 236
- Pant, H.C., Terakawa, S., Baumgold, J., Tasaki, I. and Gainer, H.
Protein release from the internal surface of the squid giant axon membrane during excitation and potassium depolarization (513) 132
- Parsons, L.M., see Chin, J.H. (513) 358
- Pietrzyk, C., Geck, P. and Heinz, E.
Regulation of the electrogenic ($\text{Na}^+ + \text{K}^+$)-pump of Ehrlich cells by intracellular cation levels (513) 89
- Plattner, H., see Schuler, G. (513) 244
- Postma, P.W., see Van Thienen, G.M. (513) 395
- Puszkin, E., see Puszkin, P. (513) 205
- Puszkin, P., Maimon, J. and Puszkin, E.
Erythrocyte actin and spectrin. Interactions with muscle contractile and regulatory proteins (513) 205
- Radda, G.K., see Buckland, R.M. (513) 321
- Razin, S.
Cholesterol uptake is dependent on mem-

- brane fluidity in mycoplasmas (513) 402
- Rega, A.F., see Garrahan, P.J. (513) 59
- Rodwell, A.W., see Archer, D.B. (513) 268
- Rodwell, E.S., see Archer, D.B. (513) 268
- Rogus, E.M., see Chang, L.C. (513) 141
- Saraste, M. and Kuronen, T.
Interaction of *Pseudomonas* cytochrome cd_1 with the cytoplasmic membrane (513) 117
- Sarzala, M.G. and Michalak, M.
Studies on the heterogeneity of sarcoplasmic reticulum vesicles (513) 221
- Scholte, B.J., see Hellingwerf, K.J. (513) 66
- Schuler, G., Plattner, H., Aberer, W. and Winkler, H. Particles segregation in chromaffin granule membranes by forced physical contact (513) 244
- Scott, H.L., Jr., see Nagle, J.F. (513) 236
- Shennan, C.D., see Buckland, R.M. (513) 321
- Siñeriz, F., Moreno, H. and Farías, R.N.
Membrane-bound cooperative enzymes. Stokes' radii, Hill plots and membrane fluidity in the regulation of adenosine-triphosphatase from *Escherichia coli* (513) 78
- Smith, G.A., see Bennett, J.P. (513) 310
- Tall, A.R. and Lange, Y.
Interaction of cholesterol, phospholipid and apoprotein in high density lipoprotein recombinants (513) 185
- Tasaki, I., see Pant, H.C. (513) 132
- Terakawa, S., see Pant, H.C. (513) 132
- Urban, B.W., see Hendry, B.M. (513) 106
- Van Dam, K., see Hellingwerf, K.J. (513) 66
- Van Dam, K., see Van Thienen, G.M. (513) 395
- Van Dijk, P.W.M., see Cullis, P.R. (513) 21
- Van Thienen, G.M., Postma, P.W. and Van Dam, K.
 Na^+ -dependent methyl β -thiogalactoside transport in *Salmonella typhimurium* (513) 395
- Verkleij, A.J., see Cullis, P.R. (513) 11
- Ververgaert, P.H.J.T., see Cullis, P.R. (513) 11
- Warren, G.B., see Bennett, J.P. (513) 310
- Winkler, H., see Schuler, G. (513) 244
- Wirtz, K.W.A., see Barsukov, L.I. (513) 198
- Zierler, K., see Cheng, L.C. (513) 141