

AUTHOR INDEX

- Abernathy, S., see Nichols, J. (511) 251
- Alleaume, M., see Sandeaux, R. (511) 499
- Axelrod, D., Ravdin, P.M. and Podleski, T.R.
Control of acetylcholine receptor mobility and distribution in cultured muscle membranes. A fluorescence study (511) 23
- Bangham, J.A. and Lea, E.J.A.
The interaction of detergents with bilayer lipid membranes (511) 388
- Bauer, H., see Nicolau, C. (511) 83
- Benes, I.
The effect of strongly bound protein fraction on the sugar transport in human erythrocyte ghosts (511) 120
- Benz, R., Janko, K., Boos, W. and Luger, P.
Formation of large, ion-permeable membrane channels by the matrix protein (porin) of *Escherichia coli* (511) 305
- Berzborn, R.J., see Volger, H. (511) 455
- Bevers, E.M., Op den Kamp, J.A.F. and van Deenen, L.L.M.
The distribution of molecular classes of phosphatidylglycerol in the membrane of *Acholeplasma laidlawii* (511) 509
- Blok, M.C., see van Zoelen, E.J.J. (511) 320
- Blok, M.C., see van Zoelen, E.J.J. (511) 335
- Boos, W., see Benz, R. (511) 305
- Brockerhoff, H., see Chatterjie, N. (511) 116
- Brown, A.M., Ellory, J.C., Young, J.D. and Lew, V.L.
A calcium-activated potassium channel present in foetal red cells of the sheep but absent from reticulocytes and mature red cells (511) 163
- Chatterjie, N. and Brockerhoff, H.
Evidence for stereospecific phospholipid-cholesterol interaction in lipid bilayers (511) 116
- Cheng, S. and Levy, D.
The interaction of the anionic fluorescence probe, 1-anilinonaphthalene-8-sulfonate, with hepatocytes and hepatoma tissue culture cells (511) 419
- Christiansen, J., see Cossins, A.R. (511) 442
- Colbeau, A. and Maroux, S.
Integration of alkaline phosphatase in the intestinal brush border membrane (511) 39
- Conlon, T. and Outhred, R.
The temperature dependence of erythrocyte water diffusion permeability (511) 408
- Cornelius, F., see Simonsen, L.O. (511) 213
- Cossins, A.R., Christiansen, J. and Prosser, C.L.
Adaptation of biological membranes to temperature. The lack of homeoviscous adaptation in the sarcoplasmic reticulum (511) 442
- Dallner, G., see Nilsson, O.S. (511) 93
- De Gier, J., see van Zoelen, E.J.J. (511) 320
- De Gier, J., see van Zoelen, E.J.J. (511) 335
- De Goeij, A.F.P.M., see Dubbelman, T.M.A.R. (511) 141
- De Jonge, E., see van Zoelen, E.J.J. (511) 335
- De Kruijff, B., see van Hoogevest, P. (511) 397
- De Kruijff, B. and van Zoelen, E.J.J.
Effect of the phase transition on the transbilayer movement of dimyristoyl phosphatidylcholine in unilamellar vesicles (511) 105
- DePierre, J.W., see Nilsson, O.S. (511) 93
- Dubbelman, T.M.A.R., De Goeij, A.F.P.M. and van Steveninck, J.
Photodynamic effects of protoporphyrin on human erythrocytes. Nature of the cross-linking of membrane proteins (511) 141
- Ellory, J.C., see Brown, A.M. (511) 163
- Ellory, J.C., see Young, J.D. (511) 513
- Fraley, R.T., Jameson, D.M. and Kaplan, S.
The use of the fluorescent probe α -parinaric acid to determine the physical state of the intracytoplasmic membranes of the photosynthetic bacterium, *Rhodospseudomonas sphaeroides* (511) 52

- Garrahan, P.J., see Richards, D.E. (511) 194
 Gavach, C., see Sandeaux, R. (511) 499
 Goodman, D.B.P., see Max, E.E. (511) 224
- Hansen, O.
 The effect of sodium on inorganic phosphate- and p-nitrophenyl phosphate-facilitated ouabain binding to ($\text{Na}^+ + \text{K}^+$)-activated ATPase (511) 10
- Harlos, K.
 Pretransitions in the hydrocarbon chains of phosphatidylethanolamines. A wide angle X-ray diffraction study (511) 348
- Heber, U., see Volger, H. (511) 455
- Henriques de Jesus, C., see van Zoelen, E.J.J. (511) 320
- Henriques de Jesus, C., see van Zoelen, E.J.J. (511) 335
- Hildenbrand, K., see Nicolau, C. (511) 83
- Hokin, L.E., see Quist, E.E. (511) 202
- Hungund, B., see Mahadik, S.P. (511) 240
- Hwang, S.M., see Reynolds, R. (511) 274
- Jameson, D.M., see Fraley, R.T. (511) 52
- Janko, K., see Benz, R. (511) 305
- Jeminet, G., see Sandeaux, R. (511) 499
- Kaplan, S., see Fraley, R.T. (511) 52
- Klenk, H.-D., see Nicolau, C. (511) 83
- Kroos, M.J., see van der Heul, C. (511) 430
- Lancée-Hermkens, A.M.W., see van Zoelen, E.J.J. (511) 320
- Läuger, P., see Benz, R. (511) 305
- Lea, E.J.A., see Bangham, J.A. (511) 388
- Levy, D., see Cheng, S. (511) 419
- Lew, V.L., see Brown, A.M. (511) 163
- Loracher, A., see Resch, K. (511) 176
- Mahadik, S.P., Hungund, B. and Rapport, M.M.
 Topographic studies of glycoproteins of intact synaptosomes from rat brain cortex (511) 240
- Mähler, B., see Resch, K. (511) 176
- Maloney, P.C. and Wilson, T.H.
 Metabolic control of lactose entry in *Escherichia coli* (511) 487
- Maroux, S., see Colbeau, A. (511) 39
- Max, E.E., Goodman, D.B.P. and Rasmussen, H.
 Purification and characterization of chick intestine brush border membrane. Effects of 1α -(OH) vitamin D_3 treatment (511) 224
- Mel, H.C., see Tenforde, T.S. (511) 152
- Miller, K.W., see Pang, K.-Y.Y. (511) 1
- Mulder, M., see van Zoelen, E.J.J. (511) 335
- Nichols, J., Straub, K.D. and Abernathy, S.
 Effect of sauguinarine, a benzophenanthridine alkaloid, on frog skin potential difference and short circuit current (511) 251
- Nicolau, C., Klenk, H.-D., Reimann, A., Hildebrand, K. and Bauer, H.
 Molecular events during the interaction of envelopes of myxo- and RNA-tumor viruses with cell membranes. A 270 MHz ^1H nuclear magnetic resonance study (511) 83
- Niederman, R.A., see Parks, L.C. (511) 70
- Nilsson, O.S., DePierre, J.W. and Dallner, G.
 Investigation of the transverse topology of the microsomal membrane using combinations of proteases and the non-penetrating reagent diazobenzene sulfonate (511) 93
- Ohki, S. and Sauve, R.
 Surface potential of phosphatidylserine monolayers. I. Divalent ion binding effect (511) 377
- Op den Kamp, J.A.F., see Bevers, E.M. (511) 509
- Outhred, R., see Conlon, T. (511) 408
- Pang, K.-Y.Y. and Miller, K.W.
 Cholesterol modulates the effects of membrane perturbors in phospholipid vesicles and biomembranes (511) 1
- Parks, L.C. and Niederman, R.A.
 Membranes of *Rhodospseudomonas sphaeroides*. V. Identification of bacteriochlorophyll a-depleted cytoplasmic membrane in phototrophically grown cells (511) 70
- Podleski, T.R., see Axelrod, D. (511) 23
- Prosser, C.L., see Cossins, A.R. (511) 442
- Quist, E.E. and Hokin, L.E.
 The presence of two ($\text{Na}^+ + \text{K}^+$)-ATPase inhibitors in equine muscle ATP: vanadate and a dithioerythritol-dependent inhibitor (511) 202
- Rapport, M.M., see Mahadik, S.P. (511) 240
- Rasmussen, H., see Max, E.E. (511) 224
- Ravdin, P.M., see Axelrod, D. (511) 23
- Reimann, A., see Nicolau, C. (511) 83
- Rega, A.F., see Richards, D.E. (511) 194
- Resch, K., Loracher, A., Mähler, B., Stoeck, M. and Rode, H.N.
 Functional mosaicism of the lymphocyte plasma membrane. Characterization of membrane subfractions obtained by affinity chromatography on concanavalin A-Sepharose (511) 176

- Reynolds, R., Roth, K.S., Hwang, S.M. and Segal, S.
On the development of glycine transport systems by rat renal cortex (511) 274
- Richards, D.E., Rega, A.F. and Garrahan, P.J.
Two classes of site for ATP in the Ca^{2+} -ATPase from human red cell membranes (511) 194
- Rode, H.N., see Resch, K. (511) 176
- Romans, A.Y. and Segrest, J.P.
Binding of lithium diiodosalicylate to glycophorin (511) 297
- Roth, K.S., see Reynolds, R. (511) 274
- Roy-Burman, S., von Dippe, P.J. and Visser, D.W.
Mechanism of energy coupling for transport of deoxycytidine, uridine, uracil, adenine and hypoxanthine in *Escherichia coli* (511) 285
- Sandeaux, R., Seta, P., Jeminet, G., Alleaume, M. and Gavach, C.
The influence of pH on the conductance of lipid bimolecular membranes in relation to the alkaline ion transport induced by carboxylic carriers grisorixin, alborixin and monensin (511) 499
- Sauve, R., see Ohki, S. (511) 377
- Sawyer, W.H., see Thulborn, K.R. (511) 125
- Seta, P., see Sandeaux, R. (511) 499
- Schroeder, F.
Isothermal regulation of membrane fluidity in murine fibroblasts with altered phospholipid polar head groups (511) 356
- Segal, S., see Reynolds, R. (511) 274
- Segrest, J.P., see Romans, A.Y. (511) 297
- Silverman, M., see Turner, R.J. (511) 470
- Simonsen, L.O. and Cornelius, F.
Inorganic phosphate in Ehrlich ascites tumor cells and its distribution across the cell membrane (511) 213
- Stafleu, G.P., see van Zoelen, E.J.J. (511) 320
- Stoeck, M., see Resch, K. (511) 176
- Straub, K.D., see Nichols, J. (511) 251
- Tenforde, T.S., Yee, J.P. and Mel, H.C.
Electrophoretic detection of reversible chlorpromazine · HCl binding at the human erythrocyte surface (511) 152
- Thulborn, K.R. and Sawyer, W.H.
Properties and the locations of a set of fluorescent probes sensitive to the fluidity gradient of the lipid bilayer (511) 125
- Tucker, E.M., see Young, J.D. (511) 513
- Turner, R.J. and Silverman, M.
Sugar uptake into brush border vesicles from dog kidney. II. Kinetics (511) 470
- Van Deenen, L.L.M., see Bevers, E.M. (511) 509
- Van der Heul, C., Kroos, M.J. and van Eijk, H.G.
Binding sites of iron transferrin on rat reticulocytes. Inhibition by specific antibodies (511) 430
- Van Eijk, H.G., see van der Heul, C. (511) 430
- Van Hoogevest, P. and de Kruijff, B.
Effect of amphotericin B on cholesterol-containing liposomes of egg phosphatidylcholine and didocosenoil phosphatidylcholine. A refinement of the model for the formation of pores by amphotericin B in membranes (511) 397
- Van Steveninck, J., see Dubbelman, T.M.A.R. (511) 141
- Van Zoelen, E.J.J., Blok, M.C., Stafleu, G.P., Lancée-Hermkens, A.M.W., Henriques de Jesus, C. and de Gier, J.
A molecular basis for an irreversible thermodynamic description of non-electrolyte permeation through lipid bilayers (511) 320
- Van Zoelen, E.J.J., see de Kruijff, B. (511) 105
- Van Zoelen, E.J.J., Henriques de Jesus, C., de Jonge, E., Mulder, M., Blok, M.C. and de Gier, J.
Non-electrolyte permeability as a tool for studying membrane fluidity (511) 335
- Vinten, J.
Cytochalasin B inhibition and temperature dependence of 3-O-methylglucose transport in fat cells (511) 259
- Visser, D.W., see Roy-Burman, S. (511) 285
- Volger, H., Heber, U. and Berzborn, R.J.
Loss of function of biomembranes and solubilization of membrane proteins during freezing (511) 455
- Von Dippe, P.J., see Roy-Burman, S. (511) 285
- Wilson, T.H., see Maloney, P.C. (511) 487
- Wright, E.M., see Zeuthen, T. (511) 517
- Yee, J.P., see Tenforde, T.S. (511) 152
- Young, J.D., see Brown, A.M. (511) 163
- Young, J.D., Tucker, E.M. and Ellory, J.C.
Amino acid transport properties of erythrocytes from normal newborn lambs and lambs with an inherited defect in amino acid transport (511) 513
- Zeuthen, T. and Wright, E.M.
An electrogenic Na^+/K^+ pump in the cho-roid plexus (511) 517