

Author Index

- Akamatsu, Y., see Masumi, A. (1145) 227
 Alonso-Romanowski, S., see Viera, L.I. (1145) 157
- Bali, J.-P., see Romano, R. (1145) 235
 Báthori, G., Sahin-Tóth, M., Fonyó, A. and Ligeti, E.
 Transport properties and inhibitor sensitivity of isolated and reconstituted porin differ from those of intact mitochondria (1145) 168
 Bayerl, T.M., see Romano, R. (1145) 235
 Beaugé, L., see DiPolo, R. (1145) 75
 Boggs, J.M. and Tümmler, B.
 Interdigitated gel phase bilayers formed by unsaturated synthetic and bacterial glycerolipids in the presence of polymyxin B and glycerol (1145) 42
 Borovyagin, V., see Viera, L.I. (1145) 157
 Borst-Pauwels, G.W.F.H.
 Mutual interaction of ion uptake and membrane potential (1145) 15
 Bradshaw, J.P., see Duff, K.C. (1145) 149
 Brasseur, R., see Martin, I. (1145) 124
 Brinkmeier, H., Mutz, J.V., Seewald, M.J., Melzner, I. and Rüdel, R.
 Specific modifications of the membrane fatty acid composition of human myotubes and their effects on the muscular sodium channels (1145) 8
 Broomfield, S.J. and Hooper, N.M.
 Characterization of an antibody to the cross-reacting determinant of the glycosyl-phosphatidylinositol anchor of human membrane dipeptidase (1145) 212
 Brumbaugh, E.E., see Huang, C. (1145) 298
 Butterfield, D.A., see Hensley, K. (1145) 205
- Ceolotto, C., see Simbeni, R. (1145) 1
 Clark, C.M., see Goodlad, G.A.J. (1145) 177
 Connell, G.J., see Hsu, Y.-T. (1145) 85
 Cragoe Jr., E.J., see Haworth, R.S. (1145) 266
 Cudmore, A.J., see Duff, K.C. (1145) 149
- Daum, G., see Simbeni, R. (1145) 1
 De, E., see Saint, N. (1145) 119
 Decroly, E., see Martin, I. (1145) 124
 Defrise-Quertain, F., see Martin, I. (1145) 124
 Deykin, D., see Jansen, G.J. (1145) 113
 DiPolo, R. and Beaugé, L.
 In squid axons the Ca_i^{2+} regulatory site of the $\text{Na}^+/\text{Ca}^{2+}$ exchanger is drastically modified by sulfhydryl blocking agents. Evidences that intracellular Ca_i^{2+} regulatory and transport sites are different (1145) 75
 Disalvo, E.A., see Viera, L.I. (1145) 157
 Dobbs, P., see Hensley, K. (1145) 205
 Duff, K.C., Cudmore, A.J. and Bradshaw, J.P.
 The location of amantadine hydrochloride and free base within phospholipid multilayers: a neutron and X-ray diffraction study (1145) 149
 Dufresne, M., see Romano, R. (1145) 235
- Feliz, M.R., see Viera, L.I. (1145) 157
 Fliegel, L., see Haworth, R.S. (1145) 266
 Fonyó, A., see Báthori, G. (1145) 168
 Fuhrmann, G.F. and Völker, B.
 Misuse of graphical analysis in nonlinear sugar transport kinetics by Eadie-Hofstee plots (1145) 180
- Ganapathy, V., see Ramamoorthy, S. (1145) 250
 Glabe, C.G., see Miraglia, S.J. (1145) 191
 Gómez-Fernández, J.C., see Salgado, J. (1145) 284
 Goodlad, G.A.J. and Clark, C.M.
 Actin and actin-binding proteins in plasma membranes derived from Walker 256 ascites or solid tumour cells (1145) 177
 Gulve, E.A., see Ren, J.-M. (1145) 199
- Hale, C.C., see Ross, C.R. (1145) 219
 Handa, T., see Yamamoto, I. (1145) 293
 Härmälä, A.-S., see Jansson, C. (1145) 311
 Haworth, R.S., Cragoe Jr., E.J. and Fliegel, L.
 Amiloride and 5-(*N*-ethyl-*N*-isopropyl)amiloride inhibit medium acidification and glucose metabolism by the fission yeast *Schizosaccharomyces pombe* (1145) 266
 Hayashi, Y., see Mimura, K. (1145) 63
 Henriksen, E.J., see Ren, J.-M. (1145) 199
 Hensley, K., Postlewaite, J., Dobbs, P. and Butterfield, D.A.
 Alteration of the erythrocyte membrane via enzymatic degradation of ankyrin (band 2.1): subcellular surgery characterized by EPR spectroscopy (1145) 205
 Hirota, Y., see Ishida, H. (1145) 58
 Holloszy, J.O., see Ren, J.-M. (1145) 199
 Hooper, N.M., see Broomfield, S.J. (1145) 212
 Hsu, Y.-T., Wong, S.Y.C., Connell, G.J. and Molday, R.S.
 Structural and functional properties of rhodopsin from rod outer segment disk and plasma membrane (1145) 85
 Huang, C., Wang, Z.-q., Lin, H.-n. and Brumbaugh, E.E.
 Calorimetric studies of fully hydrated phosphatidylcholines with highly asymmetric acyl chains (1145) 298
 Hubbell, T., see Woodford, J.K. (1145) 257
 Hui, S.W., see Webb, M.S. (1145) 93
- Imanishi, Y., see Otda, K. (1145) 33
 Ishida, H., Hirota, Y. and Nakazawa, H.
 Effect of sub-skinning concentrations of saponin on intracellular Ca^{2+} and plasma membrane fluidity in cultured cardiac cells (1145) 58
- Janes, N., see Wang, D.-C. (1145) 141
 Jansen, G.J., Pritzker, C.R. and Deykin, D.
 Porcine aortic endothelial cell membranes contain a LPAF: CoA-independent transacylase (1145) 113
 Jansson, C., Härmälä, A.-S., Toivola, D.M. and Slotte, J.P.
 Effects of the phospholipid environment in the plasma membrane on receptor interaction with the adenylyl cyclase complex of intact cells (1145) 311
 Jefferson, J.R., see Woodford, J.K. (1145) 257

- Jendrasiak, G.L., Smith, R. and Ribeiro, A.A.
Chaotropic anion-phosphatidylcholine membrane interactions: an ultra high field NMR study (1145) 25
- Julien, S., see Saint, N. (1145) 119
- Kanaoka, Y., see Nakayama, H. (1145) 134
- Kangawa, K., see Nakayama, H. (1145) 134
- Kempfle, M.A., see Kühn-Velten, W.N. (1145) 185
- Kimura, S., see Otda, K. (1145) 33
- Kitagawa, T., see Masumi, A. (1145) 227
- Kobayashi, M., see Nakayama, H. (1145) 134
- Kubinak, S., see Ross, C.R. (1145) 219
- Kühn-Velten, W.N. and Kempfle, M.A.
Characterization of the hydrophobic interaction of steroids with endoplasmic reticulum membranes by quenching of 6,8(14)-bis-dehydro-17 α -hydroxyprogesterone fluorescence (1145) 185
- Kulanthaivel, P., see Ramamoorthy, S. (1145) 250
- Kuryshv, Y.A., see Naumov, A.P. (1145) 273
- Leibach, F.H., see Ramamoorthy, S. (1145) 250
- Ligeti, E., see Báthori, G. (1145) 168
- Lin, H.-n., see Huang, C. (1145) 298
- Mahesh, V.B., see Ramamoorthy, S. (1145) 250
- Martin, I., Defrise-Quertain, F., Decroly, E., Vandenbranden, M., Brasseur, R. and Ruyschaert, J.-M.
Orientation and structure of the NH₂-terminal HIV-1 gp41 peptide in fused and aggregated liposomes (1145) 124
- Masumi, A., Akamatsu, Y. and Kitagawa, T.
Modulation of the synthesis and glycosylation of the glucose transporter protein by transforming growth factor- β 1 in Swiss 3T3 fibroblasts (1145) 227
- Matsui, H., see Mimura, K. (1145) 63
- Matsuo, H., see Nakayama, H. (1145) 134
- Mazumi, T., see Yamamoto, I. (1145) 293
- McGivan, J.D., see Plakidou-Dymock, S. (1145) 105
- Melzner, I., see Brinkmeier, H. (1145) 8
- Millner, R., see Pohl, P. (1145) 279
- Mimura, K., Matsui, H., Takagi, T. and Hayashi, Y.
Change in oligomeric structure of solubilized Na⁺/K⁺-ATPase induced by octaethylene glycol dodecyl ether, phosphatidylserine and ATP (1145) 63
- Miraglia, S.J. and Glabe, C.G.
Characterization of the membrane-associating domain of the sperm adhesive protein, bindin (1145) 191
- Miyajima, K., see Yamamoto, I. (1145) 293
- Molday, R.S., see Hsu, Y.-T. (1145) 85
- Molle, G., see Saint, N. (1145) 119
- Moroder, L., see Romano, R. (1145) 235
- Mozhayeva, G.N., see Naumov, A.P. (1145) 273
- Mutz, J.V., see Brinkmeier, H. (1145) 8
- Nakayama, H., Nakayama, K.-i., Nonomura, Y., Kobayashi, M., Kangawa, K., Matsuo, H. and Kanaoka, Y.
A topographical study of the electroplax sodium channel with site-directed antibodies (1145) 134
- Nakayama, K.-i., see Nakayama, H. (1145) 134
- Nakazawa, H., see Ishida, H. (1145) 58
- Naumov, A.P., Kuryshv, Y.A. and Mozhayeva, G.N.
Multiple conductance levels of calcium-permeable channels activated by epidermal growth factor in A431 carcinoma cells (1145) 273
- Nonomura, Y., see Nakayama, H. (1145) 134
- Orange, N., see Saint, N. (1145) 119
- Östman, A.-L., see Slotte, J.P. (1145) 243
- Otda, K., Kimura, S. and Imanishi, Y.
Orientation change of glycopeptide in lipid bilayer membrane induced by lectin binding (1145) 33
- Paltauf, F., see Simbeni, R. (1145) 1
- Plakidou-Dymock, S. and McGivan, J.D.
The oligomeric structure of renal aminopeptidase N from bovine brush-border membrane vesicles (1145) 105
- Pohl, P., Rosenfeld, E. and Millner, R.
Effects of ultrasound on the steady-state transmembrane pH gradient and the permeability of acetic acid through bilayer lipid membranes (1145) 279
- Postlewaite, J., see Hensley, K. (1145) 205
- Pritzker, C.R., see Jansen, G.J. (1145) 113
- Prost, M.-C., see Romano, R. (1145) 235
- Ramamoorthy, S., Kulanthaivel, P., Leibach, F.H., Mahesh, V.B. and Ganapathy, V.
Solubilization and functional reconstitution of the human placental taurine transporter (1145) 250
- Ren, J.-M., Youn, J.H., Gulve, E.A., Henriksen, E.J. and Holloszy, J.O.
Effects of alkaline pH on the stimulation of glucose transport in rat skeletal muscle (1145) 199
- Ribeiro, A.A., see Jendrasiak, G.L. (1145) 25
- Romano, R., Dufresne, M., Prost, M.-C., Bali, J.-P., Bayerl, T.M. and Moroder, L.
Peptide hormone-membrane interactions. Intervesicular transfer of lipophilic gastrin derivatives to artificial membranes and their bioactivities (1145) 235
- Rosenfeld, E., see Pohl, P. (1145) 279
- Ross, C.R., Kubinak, S. and Hale, C.C.
Purification of a basic fibroblast growth factor-binding proteoglycan from bovine cardiac plasma membrane (1145) 219
- Rubin, E., see Wang, D.-C. (1145) 141
- Rüdel, R., see Brinkmeier, H. (1145) 8
- Ruyschaert, J.-M., see Martin, I. (1145) 124
- Sahin-Tóth, M., see Báthori, G. (1145) 168
- Saint, N., De, E., Julien, S., Orange, N. and Molle, G.
Ionophore properties of OmpA of *Escherichia coli* (1145) 119
- Salgado, J., Villalain, J. and Gómez-Fernández, J.C.
Effects of platelet-activating factor and related lipids on dielaidoylphosphatidylethanolamine by DSC, FTIR and NMR (1145) 284
- Schmidt, M., see Simbeni, R. (1145) 1
- Schroeder, F., see Woodford, J.K. (1145) 257
- Seewald, M.J., see Brinkmeier, H. (1145) 8
- Simbeni, R., Tangemann, K., Schmidt, M., Ceolotto, C., Paltauf, F. and Daum, G.
Import of phosphatidylserine into isolated yeast mitochondria (1145) 1
- Slotte, J.P. and Östman, A.-L.
Oxidation/isomerization of 5-cholesten-3 β -ol and 5-cholesten-3-one to 4-cholesten-3-one in pure sterol and mixed phospholipid-containing monolayers by cholesterol oxidase (1145) 243
- Slotte, J.P., see Jansson, C. (1145) 311
- Smith, R., see Jendrasiak, G.L. (1145) 25
- Steponkus, P.L., see Webb, M.S. (1145) 93
- Takagi, T., see Mimura, K. (1145) 63
- Tangemann, K., see Simbeni, R. (1145) 1
- Taráschi, T.F., see Wang, D.-C. (1145) 141
- Toivola, D.M., see Jansson, C. (1145) 311

- Tomita, T., Watanabe, M. and Yarita, Y.
 Assembly and channel-forming activity of a naturally-occurring
 nicked molecule of *Staphylococcus aureus* α -toxin (1145) 51
- Tümmler, B., see Boggs, J.M. (1145) 42
- Vandenbranden, M., see Martin, I. (1145) 124
- Viera, L.I., Alonso-Romanowski, S., Borovyagin, V., Feliz, M.R. and
 Disalvo, E.A.
 Properties of gel phase lipid-trehalose bilayers upon rehydration
 (1145) 157
- Villalaín, J., see Salgado, J. (1145) 284
- Völker, B., see Fuhrmann, G.F. (1145) 180
- Wang, D.-C., Taraschi, T.F., Rubin, E. and Janes, N.
 Configurational entropy is the driving force of ethanol action on
 membrane architecture (1145) 141
- Wang, Z.-q., see Huang, C. (1145) 298
- Watanabe, M., see Tomita, T. (1145) 51
- Webb, M.S., Hui, S.W. and Steponkus, P.L.
 Dehydration-induced lamellar-to-hexagonal-II phase transitions
 in DOPE/DOPC mixtures (1145) 93
- Wong, S.Y.C., see Hsu, Y.-T. (1145) 85
- Wood, W.G., see Woodford, J.K. (1145) 257
- Woodford, J.K., Jefferson, J.R., Wood, W.G., Hubbell, T. and
 Schroeder, F.
 Expression of liver fatty acid binding protein alters plasma mem-
 brane lipid composition and structure in transfected L-cell fibro-
 blasts (1145) 257
- Yamamoto, I., Mazumi, T., Handa, T. and Miyajima, K.
 Effects of 1,2-diacylglycerol and cholesterol on the hydrolysis
 activity of phospholipase D in egg-yolk phosphatidylcholine bilay-
 ers (1145) 293
- Yarita, Y., see Tomita, T. (1145) 51
- Youn, J.H., see Ren, J.-M. (1145) 199