

## Author Index

- Åkerman, K.E.O., see Engblom, A.C. (1153) 262
- Almeida, L.M., see Custódio, J.B.A. (1153) 308
- Ando, S., see Iwamoto, M. (1153) 89
- Basu, R., see Ghosh, A.K. (1153) 20
- Beaugé, L., see Berberíán, G. (1153) 283
- Belousova, L.V., see Fedosov, S.N. (1153) 322
- Berberíán, G., Helguera, G. and Beaugé, L.  
ATP activation of plasma membrane yeast H<sup>+</sup>-ATPase shows complex kinetics independently of the degree of purification (1153) 283
- Bittar, E.E., see Xie, H. (1153) 219
- Blais, A., see Zlatkine, P. (1153) 237
- Blas, S.D., see Warnick, P.R. (1153) 184
- Bordi, F., Cametti, C., Rosi, A. and Calcabrini, A.  
Frequency domain electrical conductivity measurements of the passive electrical properties of human lymphocytes (1153) 77
- Brault, D., see Vever-Bizet, C. (1153) 170
- Byrne, S., Glazier, J.D., Greenwood, S.L., Mahendran, D. and Sibley, C.P.  
Chloride transport by human placental microvillous membrane vesicles (1153) 122
- Calcabrini, A., see Bordi, F. (1153) 77
- Calonge, M.L., Peral, M.J. and Ilundáin, A.  
Intracellular pH regulation in cecal epithelial cells from the chick (1153) 213
- Cametti, C., see Bordi, F. (1153) 77
- Cartwright, P., Timms, M., Lithgow, T., Høj, P. and Hoogenraad, N.  
An *Escherichia coli* gene showing a potential ancestral relationship to the genes for the mitochondrial import site proteins ISP42 and MOM38 (1153) 345
- Cássio, F., Côrte-Real, M. and Leão, C.  
Quantitative analysis of proton movements associated with the uptake of weak carboxylic acids. The yeast *Candida utilis* as a model (1153) 59
- Cauci, S., Monte, R., Quadrifoglio, F., Ropele, M. and Menestrina, G.  
Ionic factors regulating the interaction of *Gardnerella vaginalis* hemolysin with red blood cells (1153) 53
- Chang, C., see Philipson, L.H. (1153) 111
- Chantres, J.R., see Elorza, B. (1153) 135
- Chatterjee, M., see Ghosh, A.K. (1153) 20
- Chupin, V., see Leenhouts, J.M. (1153) 257
- Clarke, R.J., see Zouni, A. (1153) 203
- Cody, V., see Warnick, P.R. (1153) 184
- Côrte-Real, M., see Cássio, F. (1153) 59
- Custódio, J.B.A., Almeida, L.M. and Madeira, V.M.C.  
The active metabolite hydroxytamoxifen of the anticancer drug tamoxifen induces structural changes in membranes (1153) 308
- Davis, F.B., see Warnick, P.R. (1153) 184
- Davis, P.J., see Warnick, P.R. (1153) 184
- De Gier, J., see Leenhouts, J.M. (1153) 257
- De Kruijff, B., see Leenhouts, J.M. (1153) 257
- Deuticke, B., see Fischer, Y. (1153) 97
- Dibble, A.R.G., Yeager, M.D. and Feigenson, G.W.  
Partitioning of gramicidin A' between coexisting fluid and gel phospholipid phases (1153) 155
- Elorza, B., Elorza, M.A., Frutos, G. and Chantres, J.R.  
Characterization of 5-fluorouracil loaded liposomes prepared by reverse-phase evaporation or freezing-thawing extrusion methods: study of drug release (1153) 135
- Elorza, M.A., see Elorza, B. (1153) 135
- Engblom, A.C. and Åkerman, K.E.O.  
Determination of the intracellular free chloride concentration in rat brain synaptoneurosomes using a chloride-sensitive fluorescent indicator (1153) 262
- Fedosov, S.N., Belousova, L.V. and Plesner, I.W.  
A model of mitochondrial creatine kinase binding to membranes: adsorption constants, essential amino acids and the effect of ionic strength (1153) 322
- Feigenson, G.W., see Dibble, A.R.G. (1153) 155
- Fischer, Y., Rose, H., Thomas, J., Deuticke, B. and Kammermeier, H.  
Phenylarsine oxide and hydrogen peroxide stimulate glucose transport via different pathways in isolated cardiac myocytes (1153) 97
- Frutos, G., see Elorza, B. (1153) 135
- Galindo, Jr., J., see Warnick, P.R. (1153) 184
- Ghosh, A.K., Mukherjee, J., Basu, R., Chatterjee, M. and Nandy, P.  
A fluorescence anisotropy study of stabilizing effect of tri- and tetra- nitrovasodilatory drugs on DPPC liposomal membrane (1153) 20
- Glazier, J.D., see Byrne, S. (1153) 122
- Goates, C.Y. and Knutson, K.  
Enhanced permeation and stratum corneum structural alterations in the presence of dithiothreitol (1153) 289
- Gómez-Fernández, J.C., see López-García, F. (1153) 1
- Gratton, E., see Parasassi, T. (1153) 143
- Greenwood, S.L., see Byrne, S. (1153) 122
- Helguera, G., see Berberíán, G. (1153) 283
- Hernandez-Borrell, J. and Keough, K.M.W.  
Heteroacid phosphatidylcholines with different amounts of unsaturation respond differently to cholesterol (1153) 277
- Hinds, T.R., see Rohn, T.T. (1153) 67
- Hinton, J.F., see McKim, S. (1153) 315
- Ho, L., see Silverman, M. (1153) 34
- Ho, L., see Silverman, M. (1153) 43
- Høj, P., see Cartwright, P. (1153) 345
- Holloway, P.W., see Tretyachenko-Ladokhina, V.G. (1153) 163
- Holzwarth, J.F., see Zouni, A. (1153) 203
- Honscha, W., Ottallah, M., Kistner, A., Platte, H. and Petzinger, E.  
A membrane-bound form of protein disulfide isomerase (PDI) and the hepatic uptake of organic anions (1153) 175
- Hoogenraad, N., see Cartwright, P. (1153) 345
- Hope, M.J., see Rodriguez, W.V. (1153) 9
- Houghton, P.J., see Wadkins, R.M. (1153) 225
- Hummelsiepe, S., see Ziegler, K. (1153) 23
- Ilundáin, A., see Calonge, M.L. (1153) 213
- Iwamoto, M., Nakamura, M., Mitsui, K.-i., Ando, S. and Ohno-Iwashita, Y.  
Membrane disorganization induced by perfringolysin O (thetatoxin) of *Clostridium perfringens* – effect of toxin binding and self-assembly on liposomes (1153) 89

- Kammermeier, H., see Fischer, Y. (1153) 97
- Keough, K.M.W., see Hernandez-Borrell, J. (1153) 277
- Kistner, A., see Honscha, W. (1153) 175
- Knutson, K., see Goates, C.Y. (1153) 289
- Kurono, M., see Noda, H. (1153) 127
- Kuznetsov, A., see Philipson, L.H. (1153) 111
- Ladokhin, A.S., see Tretyachenko-Ladokhina, V.G. (1153) 163
- Leão, C., see Cássio, F. (1153) 59
- Leenhouts, J.M., Chupin, V., De Gier, J. and De Kruijff, B.  
The membrane potential has no detectable effect on the phosphocholine headgroup conformation in large unilamellar phosphatidylcholine vesicles as determined by  $^2\text{H}$ -NMR (1153) 257
- Le Grimellec, C., see Zlatkine, P. (1153) 237
- Ling, V., see Zhang, J.-T. (1153) 191
- Lithgow, T., see Cartwright, P. (1153) 345
- Lockner, D., see Zhao, T.-X. (1153) 243
- Loiero, M., see Parasassi, T. (1153) 143
- Loiseau, A., see Zlatkine, P. (1153) 237
- López-García, F., Micol, V., Villalaín, J. and Gómez-Fernández, J.C.  
Interaction of sphingosine and stearylamine with phosphatidylserine as studied by DSC and NMR (1153) 1
- Macias, F. and Starzak, M.E.  
Ion velocity distributions in gramicidin channels determined with laser Doppler velocimetry (1153) 331
- Madeira, V.M.C., see Custódio, J.B.A. (1153) 308
- Mahendran, D., see Byrne, S. (1153) 122
- Malayev, A., see Philipson, L.H. (1153) 111
- Malo, C.  
Ontogeny of  $\text{Na}^+/\text{D}$ -glucose cotransport in guinea-pig jejunal vesicles: only one system is involved at both  $20^\circ\text{C}$  and  $35^\circ\text{C}$  (1153) 299
- Marunaka, Y. and Tohda, H.  
Effects of vasopressin on single  $\text{Cl}^-$  channels in the apical membrane of distal nephron cells (A6) (1153) 105
- McKim, S. and Hinton, J.F.  
Direct observation of differential UV photolytic degradation among the tryptophan residues of gramicidin A in sodium dodecyl sulfate micelles (1153) 315
- Menestrina, G., see Cauci, S. (1153) 53
- Micol, V., see López-García, F. (1153) 1
- Mitsui, K.-i., see Iwamoto, M. (1153) 89
- Moll, G., see Zlatkine, P. (1153) 237
- Monte, R., see Cauci, S. (1153) 53
- Mukherjee, J., see Ghosh, A.K. (1153) 20
- Nakamura, M., see Iwamoto, M. (1153) 89
- Nandy, P., see Ghosh, A.K. (1153) 20
- Nelson, D.J., see Philipson, L.H. (1153) 111
- Noda, H., Kurono, M., Ohishi, N. and Yagi, K.  
Stabilization of egg phosphatidylcholine liposomes by the insertion of sulfatide (1153) 127
- Ohishi, N., see Noda, H. (1153) 127
- Ohno-Iwashita, Y., see Iwamoto, M. (1153) 89
- Ottallah, M., see Honscha, W. (1153) 175
- Parasassi, T., Loiero, M., Raimondi, M., Ravagnan, G. and Gratton, E.  
Absence of lipid gel-phase domains in seven mammalian cell lines and in four primary cell types (1153) 143
- Peral, M.J., see Calonge, M.L. (1153) 213
- Petzinger, E., see Honscha, W. (1153) 175
- Philipson, L.H., Malayev, A., Kuznetsov, A., Chang, C. and Nelson, D.J.  
Functional and biochemical characterization of the human potassium channel Kv1.5 with a transplanted carboxyl-terminal epitope in stable mammalian cell lines (1153) 111
- Platte, H., see Honscha, W. (1153) 175
- Plesner, I.W., see Fedosov, S.N. (1153) 322
- Pritchard, P.H., see Rodriguez, W.V. (1153) 9
- Quadrifoglio, F., see Cauci, S. (1153) 53
- Raimondi, M., see Parasassi, T. (1153) 143
- Ravagnan, G., see Parasassi, T. (1153) 143
- Ringer, T., see Ruß, U. (1153) 249
- Ringsdorf, H., Sackmann, E., Simon, J. and Winnik, F.M.  
Interactions of liposomes and hydrophobically-modified poly-(*N*-isopropylacrylamides): an attempt to model the cytoskeleton (1153) 335
- Rodriguez, W.V., Pritchard, P.H. and Hope, M.J.  
The influence of size and composition on the cholesterol mobilizing properties of liposomes in vivo (1153) 9
- Rohn, T.T., Hinds, T.R. and Vincenzi, F.F.  
Inhibition of the Ca pump of intact red blood cells by *t*-butyl hydroperoxide: importance of glutathione peroxidase (1153) 67
- Ropele, M., see Cauci, S. (1153) 53
- Rose, H., see Fischer, Y. (1153) 97
- Rosi, A., see Bordin, F. (1153) 77
- Ruß, U., Ringer, T. and Siemen, D.  
A voltage-dependent and a voltage-independent potassium channel in brown adipocytes of the rat (1153) 249
- Sabbatini, G.P., Smith, P.J. and Von Holt, C.  
A 46 kDa NTPase common to rat liver nuclear envelope, mitochondria, plasma membrane, and endoplasmic reticulum (1153) 132
- Sackmann, E., see Ringsdorf, H. (1153) 335
- Schunck, W.-H., see Wiedmann, B. (1153) 267
- Sibley, C.P., see Byrne, S. (1153) 122
- Siemen, D., see Ruß, U. (1153) 249
- Silver, P., see Wiedmann, B. (1153) 267
- Silverman, M. and Ho, L.  
Kinetic characterization of  $\text{Na}^+/\text{D}$ -mannose cotransport in dog kidney: comparison with  $\text{Na}^+/\text{D}$ -glucose cotransport (1153) 34
- Silverman, M., Speight, P. and Ho, L.  
Identification of two unique polypeptides from dog kidney outer cortex and outer medulla that exhibit different  $\text{Na}^+/\text{D}$ -glucose cotransport functional properties (1153) 43
- Simon, J., see Ringsdorf, H. (1153) 335
- Smith, P.J., see Sabbatini, G.P. (1153) 132
- Speight, P., see Silverman, M. (1153) 43
- Starzak, M.E., see Macias, F. (1153) 331
- Steggles, A.W., see Tretyachenko-Ladokhina, V.G. (1153) 163
- Thomas, J., see Fischer, Y. (1153) 97
- Timms, M., see Cartwright, P. (1153) 345
- Tohda, H., see Marunaka, Y. (1153) 105
- Tretyachenko-Ladokhina, V.G., Ladokhin, A.S., Wang, L., Steggles, A.W. and Holloway, P.W.  
Amino acid substitutions in the membrane-binding domain of cytochrome  $b_5$  alter its membrane-binding properties (1153) 163
- Vever-Bizet, C. and Brault, D.  
Kinetics of incorporation of porphyrins into small unilamellar vesicles (1153) 170
- Villalaín, J., see López-García, F. (1153) 1
- Vincenzi, F.F., see Rohn, T.T. (1153) 67
- Visser, A.J.W.G., see Zouni, A. (1153) 203
- Visser, N.V., see Zouni, A. (1153) 203
- Von Holt, C., see Sabbatini, G.P. (1153) 132

Wadkins, R.M. and Houghton, P.J.

The role of drug-lipid interactions in the biological activity of modulators of multi-drug resistance (1153) 225

Wang, L., see Tretyachenko-Ladokhina, V.G. (1153) 163

Warnick, P.R., Davis, P.J., Davis, F.B., Cody, V., Galindo, Jr., J. and Blas, S.D.

Rabbit skeletal muscle sarcoplasmic reticulum  $\text{Ca}^{2+}$ -ATPase activity: stimulation in vitro by thyroid hormone analogues and bipyridines (1153) 184

Wiedmann, B., Silver, P., Schunck, W.-H. and Wiedmann, M.

Overexpression of the ER-membrane protein P-450 CYP52A3 mimics *sec* mutant characteristics in *Saccharomyces cerevisiae* (1153) 267

Wiedmann, M., see Wiedmann, B. (1153) 267

Winnik, F.M., see Ringsdorf, H. (1153) 335

Xie, H. and Bittar, E.E.

Deregulation by zinc of the sodium efflux in barnacle muscle fibers (1153) 219

Yagi, K., see Noda, H. (1153) 127

Yeager, M.D., see Dibble, A.R.G. (1153) 155

Zhang, J.-T. and Ling, V.

Membrane orientation of transmembrane segments 11 and 12 of MDR- and non-MDR-associated P-glycoproteins (1153) 191

Zhao, T.-X. and Lockner, D.

Electrical impedance and erythrocyte sedimentation rate (ESR) of blood (1153) 243

Ziegler, K. and Hummelsiepe, S.

Hepatoselective carrier-mediated sodium-independent uptake of pravastatin and pravastatin-lactone (1153) 23

Zlatkine, P., Moll, G., Blais, A., Loiseau, A. and Le Grimellec, C.

Transport of choline by Madin-Darby canine kidney cells (1153) 237

Zouni, A., Clarke, R.J., Visser, A.J.W.G., Visser, N.V. and Holzwarth, J.F.

Static and dynamic studies of the potential-sensitive membrane probe RH421 in dimyristoylphosphatidylcholine vesicles (1153) 203