

## Biomembranes

### Author Index

- Adler, I.-D., see Van Montfort, J.E. (1564) 183  
 Antunes-Madeira, M.C., see Videira, R.A. (1564) 140  
 Aojula, H.S., Offerman, S., Aojula, R.R., Hutchinson, A.P., Nicklin, S. and Clarke, D.J.  
   Cloaking cytolytic peptides for liposome-based detection and potential drug delivery (1564) 73  
 Aojula, R.R., see Aojula, H.S. (1564) 73  
 Audet, R., see Pouliot, R. (1564) 317  
 Auger, M., see Pouliot, R. (1564) 317  
 Aussenac, F., see Carlotti, C. (1564) 156  
  
 Balduzzi, R., Cupello, A. and Robello, M.  
   Modulation of the expression of GABA<sub>A</sub> receptors in rat cerebellar granule cells by protein tyrosine kinases and protein kinase C (1564) 263  
 Bartosz, G., see Soszyński, M. (1564) 479  
 Bartucci, R., Pantusa, M., Marsh, D. and Sportelli, L.  
   Interaction of human serum albumin with membranes containing polymer-grafted lipids: spin-label ESR studies in the mushroom and brush regimes (1564) 237  
 Becker, F.F., see Wang, X. (1564) 412  
 Bellocco, E., see Galtieri, A. (1564) 214  
 Berglund, A.H., Quartacci, M.F., Calucci, L., Navari-Izzo, F., Pinzino, C. and Liljenberg, C.  
   Alterations of wheat root plasma membrane lipid composition induced by copper stress result in changed physicochemical properties of plasma membrane lipid vesicles (1564) 466  
 Bernatchez, R., see Moreau, R. (1564) 325  
 Bessin, Y., see Saint, N. (1564) 359  
 Bizzotto, D., see Stoodley, R. (1564) 289  
 Bortolato, M., see Morandat, S. (1564) 473  
 Bowen, H.C., see White, P.J. (1564) 299  
 Boyd, C.A.R., see Shennan, D.B. (1564) 133  
 Briane, D., see Lesage, D. (1564) 393  
 Brock, R., see Fischer, R. (1564) 365  
 Bryszewska, M., see Soszyński, M. (1564) 479  
  
 Cadiou, H., see Saint, N. (1564) 359  
 Calucci, L., see Berglund, A.H. (1564) 466  
 Calvert, D.T., see Shennan, D.B. (1564) 133  
 Cao, A., see Lesage, D. (1564) 393  
 Carlotti, C., Aussenac, F. and Dufourc, E.J.  
   Towards high-resolution <sup>1</sup>H-NMR in biological membranes: magic angle spinning of bicelles (1564) 156  
 Caruso-Neves, C., see Rangel, L.B.A. (1564) 310  
 Castagnola, M., see Galtieri, A. (1564) 214  
 Cevc, G., Schätzlein, A. and Richardsen, H.  
   Ultradeformable lipid vesicles can penetrate the skin and other semi-permeable barriers unfragmented. Evidence from double label CLSM experiments and direct size measurements (1564) 21  
  
 Chen, L., see Engel, C.K. (1564) 38  
 Chen, L., see Engel, C.K. (1564) 47  
 Cho, E.-S., see Yun, I. (1564) 123  
 Choi, C.-H., see Yun, I. (1564) 123  
 Christian, A.-L., see Drobny, M. (1564) 243  
 Chung, I.-K., see Yun, I. (1564) 123  
 Chypre, C., see Pouliot, R. (1564) 317  
 Clarke, D.J., see Aojula, H.S. (1564) 73  
 Cornell, R.B., see Drobny, A.E. (1564) 82  
 Coudert, R., see Lesage, D. (1564) 393  
 Crommelin, D.J.A., see Luisa Corvo, M. (1564) 227  
 Cruz, M.E.M., see Luisa Corvo, M. (1564) 227  
 Cupello, A., see Balduzzi, R. (1564) 263  
  
 Daly, M.E., see Sen, A. (1564) 5  
 Dan, N.  
   Effect of liposome charge and PEG polymer layer thickness on cell–liposome electrostatic interactions (1564) 343  
 Daoud, G., see Moreau, R. (1564) 325  
 Das, S., see Ghosh, P. (1564) 500  
 Davidsen, J., Mouritsen, O.G. and Jørgensen, K.  
   Synergistic permeability enhancing effect of lysophospholipids and fatty acids on lipid membranes (1564) 256  
 Davies, J.M., see White, P.J. (1564) 299  
 Davies, S.M.A., see Drobny, A.E. (1564) 82  
 Demidchik, V., see White, P.J. (1564) 299  
 Diakowski, W. and Sikorski, A.F.  
   Brain spectrin exerts much stronger effect on anionic phospholipid monolayers than erythroid spectrin (1564) 403  
 Dibrov, P., see Ostroumov, E. (1564) 99  
 Dickson, K.A., see Hollenbach, A.D. (1564) 421  
 Di Meglio, J.-M., see Maeda, N. (1564) 165  
 Di Rosa, D., see Galtieri, A. (1564) 214  
 Drobny, A.E., Davies, S.M.A., Kraayenhof, R., Epand, R.F., Epand, R.M. and Cornell, R.B.  
   CTP:phosphocholine cytidyltransferase and protein kinase C recognize different physical features of membranes: differential responses to an oxidized phosphatidylcholine (1564) 82  
 Drobny, M., Schnölzer, M., Fiedler, S., Lüttge, U., Fischer-Schliebs, E., Christian, A.-L. and Ratajczak, R.  
   Phenotypic subunit composition of the tobacco (*Nicotiana tabacum* L.) vacuolar-type H<sup>+</sup>-translocating ATPase (1564) 243  
 Dufourc, E.J., see Carlotti, C. (1564) 156  
 Dzioba, J., see Ostroumov, E. (1564) 99  
  
 Engel, C.K., Chen, L. and Privé, G.G.  
   Insertion of carrier proteins into hydrophilic loops of the *Escherichia coli* lactose permease (1564) 38  
 Engel, C.K., Chen, L. and Privé, G.G.  
   Stability of the lactose permease in detergent solutions (1564) 47

- Epand, R.F., see Drobnies, A.E. (1564) 82  
 Epand, R.M., see Drobnies, A.E. (1564) 82
- Fahrenholz, F., see Gimpl, G. (1564) 384  
 Faisal, S.M., see Masood, A.K. (1564) 219  
 Ficarra, S., see Galtieri, A. (1564) 214  
 Fiedler, S., see Drobnies, M. (1564) 243  
 Fischer, R., Waizenegger, T., Köhler, K. and Brock, R.  
   A quantitative validation of fluorophore-labelled cell-permeable peptide conjugates: fluorophore and cargo dependence of import (1564) 365  
 Fischer-Schliebs, E., see Drobnies, M. (1564) 243  
 Furuya, T., see Shigematsu, D. (1564) 271
- Galtieri, A., Tellone, E., Romano, L., Misiti, F., Bellocco, E., Ficarra, S., Russo, A., Di Rosa, D., Castagnola, M., Giardina, B. and Messina, I.  
   Band-3 protein function in human erythrocytes: effect of oxygenation–deoxygenation (1564) 214  
 Gascoyne, P.R.C., see Ratanachoo, K. (1564) 449  
 Gascoyne, P.R.C., see Wang, X. (1564) 412  
 Gaucheron, J., Santaella, C. and Vierling, P.  
   Transfection with fluorinated lipoplexes based on fluorinated analogues of DOTMA, DMRIE and DPES (1564) 349  
 -Gaudreault, R.C., see Pouliot, R. (1564) 317  
 Ghosh, P., Ghosh, S. and Das, S.  
   Self-regulation of rat liver GAP junction by phosphorylation (1564) 500  
 Ghosh, S., see Ghosh, P. (1564) 500  
 Giardina, B., see Galtieri, A. (1564) 214  
 Gimpl, G. and Fahrenholz, F.  
   Cholesterol as stabilizer of the oxytocin receptor (1564) 384  
 Guo, W., see Sudimack, J.J. (1564) 31
- Hagenbuch, B., see Van Montfort, J.E. (1564) 183  
 Hah, J.S., Ryu, J., Lee, W., Jung, C.Y. and Lachaal, M.  
   The hepatocyte glucose-6-phosphatase subcomponent T3: its relationship to GLUT2 (1564) 198  
 Haro, R. and Rodríguez-Navarro, A.  
   Molecular analysis of the mechanism of potassium uptake through the TRK1 transporter of *Saccharomyces cerevisiae* (1564) 114  
 Hollenbach, A.D., Dickson, K.A. and Washabaugh, M.W.  
   Thiamin transport in *Escherichia coli*: the mechanism of inhibition by the sulfhydryl-specific modifier *N*-ethylmaleimide (1564) 421  
 Huestis, W.H., see Pitcher III, W.H. (1564) 107  
 Hui, S.W., see Sen, A. (1564) 5  
 Hutchinson, A.P., see Aojula, H.S. (1564) 73
- Iseki, K., see Sugawara, M. (1564) 149
- Jain, M., see Koulov, A.V. (1564) 459  
 Jang, H.-O., see Yun, I. (1564) 123  
 Jorge, J.C.S., see Luisa Corvo, M. (1564) 227  
 Jørgensen, K., see Davidsen, J. (1564) 256  
 Jumarie, C.  
   Cadmium transport through type II alveolar cell monolayers: contribution of transcellular and paracellular pathways in the rat A549 and the human A549 cells (1564) 487  
 Jung, C.Y., see Hah, J.S. (1564) 198
- Kawasaki, K., see Toshima, Y. (1564) 375  
 Keller, S.L., see Pitcher III, W.H. (1564) 107  
 Killig, F. and Stark, G.  
   Photodynamic activation of ion transport through lipid membranes and its correlation with an increased dielectric constant of the membrane (1564) 207
- Kim, I.-S., see Yun, I. (1564) 123  
 Kim, U.-K., see Yun, I. (1564) 123  
 Kiyota, T., see Shigematsu, D. (1564) 271  
 Kobayashi, M., see Sugawara, M. (1564) 149  
 Köhler, K., see Fischer, R. (1564) 365  
 Koulov, A.V., Vares, L., Jain, M. and Smith, B.D.  
   Cationic triple-chain amphiphiles facilitate vesicle fusion compared to double-chain or single-chain analogues (1564) 459  
 Kraayenhof, R., see Drobnies, A.E. (1564) 82  
 Kudo, Y., see Shennan, D.B. (1564) 133  
 Kurosawa, M., see Sugawara, M. (1564) 149
- Lachaal, M., see Hah, J.S. (1564) 198  
 Lafond, J., see Moreau, R. (1564) 325  
 Lara, L.S., see Rangel, L.B.A. (1564) 310  
 Lee, R.J., see Sudimack, J.J. (1564) 31  
 Lee, S., see Shigematsu, D. (1564) 271  
 Lee, W., see Hah, J.S. (1564) 198  
 Lesage, D., Cao, A., Briane, D., Lievre, N., Coudert, R., Raphael, M., Salzmann, J.L. and Taillandier, E.  
   Evaluation and optimization of DNA delivery into gliosarcoma 9L cells by a cholesterol-based cationic liposome (1564) 393  
 Lievre, N., see Lesage, D. (1564) 393  
 Liljenberg, C., see Berglund, A.H. (1564) 466  
 Liu, X.Y. and Matherly, L.H.  
   Analysis of membrane topology of the human reduced folate carrier protein by hemagglutinin epitope insertion and scanning glycosylation insertion mutagenesis (1564) 333  
 Loewen, P.C., see Ostroumov, E. (1564) 99  
 Lopes, A.G., see Rangel, L.B.A. (1564) 310  
 Luisa Corvo, M., Jorge, J.C.S., Van't Hof, R., Cruz, M.E.M., Crommelin, D.J.A. and Storm, G.  
   Superoxide dismutase entrapped in long-circulating liposomes: formulation design and therapeutic activity in rat adjuvant arthritis (1564) 227  
 Lüttge, U., see Drobnies, M. (1564) 243
- Madeira, V.M.C., see Videira, R.A. (1564) 140  
 Maeda, N., Senden, T.J. and Di Meglio, J.-M.  
   Micromanipulation of phospholipid bilayers by atomic force microscopy (1564) 165  
 Marsh, D., see Bartucci, R. (1564) 237  
 Martinez, L.C. and Turner, G.J.  
   High-throughput screening of bacteriorhodopsin mutants in whole cell pastes (1564) 91  
 Masood, A.K., Faisal, S.M., Mushahid, M.K., Nadeem, A., Siddiqui, M.U. and Owais, M.  
   Binding of bilirubin with albumin-coupled liposomes: implications in the treatment of jaundice (1564) 219  
 Mase, A., see Moreau, R. (1564) 325  
 Masum, S.Md., see Tanaka, T. (1564) 1  
 Matherly, L.H., see Liu, X.Y. (1564) 333  
 Matsuoka, S. and Murata, M.  
   Cholesterol markedly reduces ion permeability induced by membrane-bound amphotericin B (1564) 429  
 Matsutani, M., see Shigematsu, D. (1564) 271  
 McConnell, H.M., see Okonogi, T.M. (1564) 1  
 Meier, P.J., see Van Montfort, J.E. (1564) 183  
 Messina, I., see Galtieri, A. (1564) 214  
 Misiti, F., see Galtieri, A. (1564) 214  
 Miyazaki, K., see Sugawara, M. (1564) 149  
 Molle, G., see Saint, N. (1564) 359  
 Morandat, S., Bortolato, M. and Roux, B.  
   Cholesterol-dependent insertion of glycosylphosphatidylinositol-anchored enzyme (1564) 473

- Moreau, R., Daoud, G., Bernatchez, R., Simoneau, L., Masse, A. and Lafond, J.  
Calcium uptake and calcium transporter expression by trophoblast cells from human term placenta (1564) 325
- Mouritsen, O.G., see Davidsen, J. (1564) 256
- Murata, M., see Matsuoka, S. (1564) 429
- Mushahid, M.K., see Masood, A.K. (1564) 219
- Nadeem, A., see Masood, A.K. (1564) 219
- Navari-Izzo, F., see Berglund, A.H. (1564) 466
- Nichols, C., see White, P.J. (1564) 299
- Nicklin, S., see Aojula, H.S. (1564) 73
- Nieva, J.L., see Sáez-Cirión, A. (1564) 57
- Nurowska, E. and Ruzzier, F.  
Modulation of acetylcholine receptor channel kinetics by hydrocortisone (1564) 14
- Offerman, S., see Aojula, H.S. (1564) 73
- Okonogi, T.M., Radhakrishnan, A. and McConnell, H.M.  
Two fatty acids can replace one phospholipid in condensed complexes with cholesterol (1564) 1
- Ollila, F. and Slotte, J.P.  
Partitioning of Triton X-100, deoxycholate and C<sub>10</sub>EO<sub>8</sub> into bilayers composed of native and hydrogenated egg yolk sphingomyelin (1564) 281
- Opekarová, M., Robl, I. and Tanner, W.  
Phosphatidyl ethanolamine is essential for targeting the arginine transporter Can1p to the plasma membrane of yeast (1564) 9
- Ostroumov, E., Dzioba, J., Loewen, P.C. and Dibrov, P.  
Asp<sup>344</sup> and Thr<sup>345</sup> are critical for cation exchange mediated by NhaD, Na<sup>+</sup>/H<sup>+</sup> antiporter of *Vibrio cholerae* (1564) 99
- Owais, M., see Masood, A.K. (1564) 219
- Pantusa, M., see Bartucci, R. (1564) 237
- Pinzino, C., see Berglund, A.H. (1564) 466
- Pitcher III, W.H., Keller, S.L. and Huestis, W.H.  
Interaction of nominally soluble proteins with phospholipid monolayers at the air–water interface (1564) 107
- Pouliot, R., Saint-Laurent, A., Chypre, C., Audet, R., Vitté-Mony, I., -Gaudreault, R.C. and Auger, M.  
Spectroscopic characterization of nanoErythroosomes in the absence and presence of conjugated polyethyleneglycols: an FTIR and <sup>31</sup>P-NMR study (1564) 317
- Privé, G.G., see Engel, C.K. (1564) 38
- Privé, G.G., see Engel, C.K. (1564) 47
- Quartacci, M.F., see Berglund, A.H. (1564) 466
- Quinn, P.J., see Wang, X. (1564) 66
- Radhakrishnan, A., see Okonogi, T.M. (1564) 1
- Rangel, L.B.A., Caruso-Neves, C., Lara, L.S. and Lopes, A.G.  
Angiotensin II stimulates renal proximal tubule Na<sup>+</sup>-ATPase activity through the activation of protein kinase C (1564) 310
- Raphael, M., see Lesage, D. (1564) 393
- Ratajczak, R., see Drobny, M. (1564) 243
- Ratanachoo, K., Gascoyne, P.R.C. and Ruchirawat, M.  
Detection of cellular responses to toxicants by dielectrophoresis (1564) 449
- Richardsen, H., see Cevc, G. (1564) 21
- Robello, M., see Balduzzi, R. (1564) 263
- Robl, I., see Opekarová, M. (1564) 9
- Rod Merrill, A., see Tory, M.C. (1564) 435
- Rodríguez-Navarro, A., see Haro, R. (1564) 114
- Romano, L., see Galtieri, A. (1564) 214
- Roux, B., see Morandat, S. (1564) 473
- Ruchirawat, M., see Ratanachoo, K. (1564) 449
- Russo, A., see Galtieri, A. (1564) 214
- Ruzzier, F., see Nurowska, E. (1564) 14
- Ryu, J., see Hah, J.S. (1564) 198
- Sáez-Cirión, A. and Nieva, J.L.  
Conformational transitions of membrane-bound HIV-1 fusion peptide (1564) 57
- Saint-Laurent, A., see Pouliot, R. (1564) 317
- Saint, N., Cadiou, H., Bessin, Y. and Molle, G.  
Antibacterial peptide pleurocidin forms ion channels in planar lipid bilayers (1564) 359
- Sakai, K., see Sugawara, M. (1564) 149
- Salzmann, J.L., see Lesage, D. (1564) 393
- Santaella, C., see Gaucher, J. (1564) 349
- Schätzlein, A., see Cevc, G. (1564) 21
- Schmid, T.E., see Van Montfort, J.E. (1564) 183
- Schnölzer, M., see Drobny, M. (1564) 243
- Sen, A., Daly, M.E. and Hui, S.W.  
Transdermal insulin delivery using lipid enhanced electroporation (1564) 5
- Senden, T.J., see Maeda, N. (1564) 165
- Shennan, D.B., Calvert, D.T., Travers, M.T., Kudo, Y. and Boyd, C.A.R.  
A study of L-leucine, L-phenylalanine and L-alanine transport in the perfused rat mammary gland: possible involvement of LAT1 and LAT2 (1564) 133
- Shepherd, J., see Stoodley, R. (1564) 289
- Shigematsu, D., Matsutani, M., Furuya, T., Kiyota, T., Lee, S., Sugihara, G. and Yamashita, S.  
Roles of peptide–peptide charge interaction and lipid phase separation in helix–helix association in lipid bilayer (1564) 271
- Siddiqui, M.U., see Masood, A.K. (1564) 219
- Sikorski, A.F., see Diakowski, W. (1564) 403
- Simoneau, L., see Moreau, R. (1564) 325
- Slotte, J.P., see Ollila, F. (1564) 281
- Smith, B.D., see Koulov, A.V. (1564) 459
- Soszyński, M., Zavodnik, I.B., Zavodnik, L.B., Żylinska, L., Bartosz, G. and Bryszewska, M.  
Hypochlorous acid inhibits glutathione S-conjugate export from human erythrocytes (1564) 479
- Sportelli, L., see Bartucci, R. (1564) 237
- Stark, G., see Killig, F. (1564) 207
- Stoodley, R., Shepherd, J., Wasan, K.M. and Bizzotto, D.  
Amphotericin B interactions with a DOPC monolayer. Electrochemical investigations (1564) 289
- Storm, G., see Luisa Corvo, M. (1564) 227
- Sudimack, J.J., Guo, W., Tjarks, W. and Lee, R.J.  
A novel pH-sensitive liposome formulation containing oleyl alcohol (1564) 31
- Sugawara, M., Kurosawa, M., Sakai, K., Kobayashi, M., Iseki, K. and Miyazaki, K.  
Ionic strength has a greater effect than does transmembrane electric potential difference on permeation of tryptamine and indoleacetic acid across Caco-2 cells (1564) 149
- Sugihara, G., see Shigematsu, D. (1564) 271
- Taillandier, E., see Lesage, D. (1564) 393
- Tamba, Y., see Tanaka, T. (1564) 173
- Tanaka, T., Tamba, Y., Masum, S.Md., Yamashita, Y. and Yamazaki, M.  
La<sup>3+</sup> and Gd<sup>3+</sup> induce shape change of giant unilamellar vesicles of phosphatidylcholine (1564) 173
- Tanner, W., see Opekarová, M. (1564) 9
- Tellone, E., see Galtieri, A. (1564) 214
- Tjarks, W., see Sudimack, J.J. (1564) 31
- Tory, M.C. and Rod Merrill, A.  
Determination of membrane protein topology by red-edge excitation shift analysis: application to the membrane-bound colicin E1 channel peptide (1564) 435

- Toshima, Y. and Kawasaki, K.  
Behavior of silkworm yolk protein on phospholipid membranes (1564) 375
- Travers, M.T., see Shennan, D.B. (1564) 133
- Tsuji, F.I.  
Bioluminescence reaction catalyzed by membrane-bound luciferase in the “firefly squid,” *Watasenia scintillans* (1564) 189
- Turner, G.J., see Martinez, L.C. (1564) 91
- Van Montfoort, J.E., Schmid, T.E., Adler, I.-D., Meier, P.J. and Hagenbuch, B.  
Functional characterization of the mouse organic-anion-transporting polypeptide 2 (1564) 183
- Van't Hof, R., see Luisa Corvo, M. (1564) 227
- Vares, L., see Koulov, A.V. (1564) 459
- Videira, R.A., Antunes-Madeira, M.C. and Madeira, V.M.C.  
Differential effects induced by  $\alpha$ - and  $\beta$ -endosulfan in lipid bilayer organization are reflected in proton permeability (1564) 140
- Vierling, P., see Gaucher, J. (1564) 349
- Vitté-Mony, I., see Pouliot, R. (1564) 317
- Waizenegger, T., see Fischer, R. (1564) 365
- Wang, X. and Quinn, P.J.  
Cubic phase is induced by cholesterol in the dispersion of 1-palmitoyl-2-oleoyl-phosphatidylethanolamine (1564) 66
- Wang, X., Becker, F.F. and Gascoyne, P.R.C.  
Membrane dielectric changes indicate induced apoptosis in HL-60 cells more sensitively than surface phosphatidylserine expression or DNA fragmentation (1564) 412
- Wasan, K.M., see Stoodley, R. (1564) 289
- Washabaugh, M.W., see Hollenbach, A.D. (1564) 421
- White, P.J., Bowen, H.C., Demidchik, V., Nichols, C. and Davies, J.M.  
Genes for calcium-permeable channels in the plasma membrane of plant root cells (1564) 299
- Wood, W.G., see Yun, I. (1564) 123
- Yamashita, S., see Shigematsu, D. (1564) 271
- Yamashita, Y., see Tanaka, T. (1564) 173
- Yamazaki, M., see Tanaka, T. (1564) 173
- Yun, I., Cho, E.-S., Jang, H.-O., Kim, U.-K., Choi, C.-H., Chung, I.-K., Kim, I.-S. and Wood, W.G.  
Amphiphilic effects of local anesthetics on rotational mobility in neuronal and model membranes (1564) 123
- Zavodnik, I.B., see Soszyński, M. (1564) 479
- Zavodnik, L.B., see Soszyński, M. (1564) 479
- Żylinska, L., see Soszyński, M. (1564) 479