

Biomembranes

Cumulative Contents

Review

Lipid–protein interactions in biological membranes:
a structural perspective
A.G. Lee (UK)

1

Regular papers

Effects of alterations of the amino-terminal glycine
of influenza hemagglutinin fusion peptide on its
structure, organization and membrane interactions
*C.-W. Wu, S.-F. Cheng, W.-N. Huang,
V.D. Trivedi, B. Veeramuthu, A.B. Kantchev,
W.-G. Wu and D.-K. Chang (Taiwan, ROC)*

41

Investigating magnetically aligned phospholipid bi-
layers with various lanthanide ions for X-band
spin-label EPR studies
*M.A. Caporini, A. Padmanabhan, T.B. Cardon
and G.A. Lorigan (USA)*

52

Characterization of the interactions between Nedd4-2,
ENaC, and *sgk-1* using surface plasmon reso-
nance
C. Asher, I. Sinha and H. Garty (Israel)

59

Single-step immunoaffinity purification and charac-
terization of dodecylmaltoside-solubilized human
neutrophil flavocytochrome *b*
*R.M. Taylor, J.B. Burritt, T.R. Foubert,
M.A. Snodgrass, K.C. Stone, D. Baniulis,
J.M. Gripenrog, C. Lord and A.J. Jesaitis (USA)*

65

Hyaluronan is a key component in cryoprotection
and formulation of targeted unilamellar liposomes
D. Peer, A. Florentin and R. Margalit (Israel)

76

Effects of sphingomyelin on melittin pore formation
*M.J. Gómará, S. Nir and J.L. Nieva (Spain,
Israel)*

83

Escherichia coli lacking the AcrAB multidrug efflux
pump also lacks nonproteinaceous, PHB–poly-
phosphate Ca²⁺ channels in the membrane
*H.E. Jones, I.B. Holland, A. Jacq, T. Wall and
A.K. Campbell (UK, France, Sweden)*

90

Intracellular delivery of ceramide lipids via lipo-
somes enhances apoptosis in vitro
J.A. Shabbits and L.D. Mayer (Canada)

98

Modulation of Ca²⁺-activated K⁺ channels of hu-
man erythrocytes by endogenous protein kinase C
*B. Del Carlo, M. Pellegrini and M. Pellegrino
(Italy)*

107

N-terminal insertion of alamethicin in channel for-
mation studied using its covalent dimer N-termi-
nally linked by disulfide bond
*M. Sakoh, T. Okazaki, Y. Nagaoka and K. Asami
(Japan)*

117

Review

Quantifying molecular partition into model systems
of biomembranes: an emphasis on optical spectro-
scopic methods
*N.C. Santos, M. Prieto and M.A.R.B. Castanho
(Portugal)*

123

Regular papers

Polycation liposome-mediated gene transfer in vivo
*M. Matsuura, Y. Yamazaki, M. Sugiyama,
M. Kondo, H. Ori, M. Nango and N. Oku
(Japan)*

136

Probing the volume changes during voltage gating of
Porin 31BM channel with nonelectrolyte poly-
mers
*C.M.M. Carneiro, P.G. Merzlyak,
L.N. Yuldasheva, L.G. Silva, F.P. Thinnes and
O.V. Krasilnikov (Brazil, Germany)*

144

Temperature dependence of fluid phase endocytosis
coincides with membrane properties of pig
platelets
*W.F. Wolkers, S.A. Looper, R.A. Fontanilla,
N.M. Tsvetkova, F. Tablin and J.H. Crowe (USA)*

154

Molecular basis for membrane selectivity of NK-2, a
potent peptide antibiotic derived from NK-lysin
*H. Schröder-Borm, R. Willumeit, K. Brandenburg
and J. Andrä (Germany)*

164

The preservation of liposomes by raffinose family oligosaccharides during drying is mediated by effects on fusion and lipid phase transitions <i>D.K. Hinch, E. Zuther and A.G. Heyer (Germany)</i>	172	The overexpression of a new ABC transporter in <i>Leishmania</i> is related to phospholipid trafficking and reduced infectivity <i>A. Parodi-Talice, J.M. Araújo, C. Torres, J.M. Pérez-Victoria, F. Gamarro and S. Castanys (Spain)</i>	195
Regulation of rat intestinal GLUT2 mRNA abundance by luminal and systemic factors <i>X.-L. Cui, L. Jiang and R.P. Ferraris (USA)</i>	178		
An association of 27- and 40-kDa molecules with glycolipids that bind A-B bacterial enterotoxins to cultured cells <i>T. Shimizu, T. Hamabata, A. Yoshiki, T. Hori, S. Ito, Y. Takeda and H. Hayashi (Japan)</i>	186	<i>Author Index</i>	208
		<i>Cumulative Contents</i>	210