

Biomembranes Cumulative Contents

Regular papers

- Arachidonic acid-activated Na^+ -dependent Mg^{2+} efflux in rat renal epithelial cells
A. Ikari, K. Nakajima, Y. Suketa, H. Harada and K. Takagi (Japan) 1
- On the oligomeric state of the red blood cell glucose transporter GLUT1
S. Zuo, U. Hellman and P. Lundahl (Sweden) 8
- Structure–function studies of yeast C-4 sphingolipid long chain base hydroxylase
J. Idkowiak-Baldys, J.Y. Takemoto and M.M. Grilley (USA) 17
- Proteorhodopsin in living color: diversity of spectral properties within living bacterial cells
B.R. Kelemen, M. Du and R.B. Jensen (USA) 25
- Action of hypoxia on different types of calcium channels in hippocampal neurons
E.A. Lukyanetz, V.M. Shkryl, O.V. Kravchuk and P.G. Kostyuk (Ukraine) 33
- Sarcolemmal and mitochondrial effects of a K_{ATP} opener, P-1075, in “polarized” and “depolarized” Langendorff-perfused rat hearts
O. Jilkina, B. Kuzio, G.J. Grover, C.D.L. Folmes, H.-J. Kong and V.V. Kupriyanov (Canada, USA) 39
- Interaction of a synthetic peptide corresponding to the N-terminus of canine distemper virus fusion protein with phospholipid vesicles: a biophysical study
F.J. Aranda, J.A. Teruel and A. Ortiz (Spain) 51
- Characterisation of subunit III and its oligomer from spinach chloroplast ATP synthase
A. Poetsch, S. Rexroth, J. Heberle, T.A. Link, N.A. Dencher and H. Seelert (Germany) 59
- Fluorescence properties of Laurdan in cochleate phases
K. Ramani and S.V. Balasubramanian (USA) 67
- The ion transporter superfamily
S. Prakash, G. Cooper, S. Singhi and M.H. Saier Jr. (USA) 79

Preface

93

Reviews

- Rapid regulation of NaCl secretion by estuarine teleost fish: coping strategies for short-duration freshwater exposures
W.S. Marshall (Canada) 95
- Na^+ versus Cl^- transport in the intact killifish after rapid salinity transfer
C.M. Wood and P. Laurent (Canada, France) 106
- Proton pump-driven cutaneous chloride uptake in anuran amphibia
L.J. Jensen, N.J. Willumsen, J. Amstrup and E.H. Larsen (Denmark) 120
- Existence and nature of the chloride pump
G.A. Gerencser and J. Zhang (USA) 133
- β -Adrenergic receptors couple to CFTR chloride channels of intercalated mitochondria-rich cells in the heterocellular toad skin epithelium
E.H. Larsen, J. Amstrup and N.J. Willumsen (Denmark) 140
- Cell volume regulation and swelling-activated chloride channels
A. Sardini, J.S. Amey, K.-H. Weylandt, M. Nobles, M.A. Valverde and C.F. Higgins (UK, Germany, Spain) 153
- Intestinal bicarbonate secretion in marine teleost fish—source of bicarbonate, pH sensitivity, and consequences for whole animal acid–base and calcium homeostasis
R.W. Wilson and M. Grosell (UK, USA) 163
- Integrated responses of $\text{Na}^+/\text{HCO}_3^-$ cotransporters and V-type H^+ -ATPases in the fish gill and kidney during respiratory acidosis
S.F. Perry, M. Furimsky, M. Bayaa, T. Georgalis, A. Shahsavarani, J.G. Nickerson and T.W. Moon (Canada) 175
- The molecular and cellular physiology of basolateral organic anion transport in mammalian renal tubules
W.H. Dantzler and S.H. Wright (USA) 185

Inorganic and organic anion transport by insect renal epithelia	<i>Author Index Volume 1618</i>	219
<i>M.J. O'Donnell, J.P. Ianowski, S.M. Linton and M.R. Rheault (Canada)</i>	<i>Cumulative Contents Volume 1618</i>	221
Sodium and chloride transport in soft water and hard water acclimated zebrafish (<i>Danio rerio</i>)		
<i>A.M.Z. Boisen, J. Amstrup, I. Novak and M. Grosell (Denmark, USA)</i>		
		194
		207