

MANAGING EDITORS

P.L. Dutton (Philadelphia, PA)
G.D. Fasman (Waltham, MA)
Y. Kagawa (Tochigi)
E.P. Kennedy (Boston, MA)
G.K. Radda (Oxford) (Chairman)
G. Schatz (Basel)
K. van Dam (Amsterdam)
H. van den Bosch (Utrecht)
P.C. van der Vliet (Utrecht)

HONORARY MANAGING EDITORS

E.C. Slater (Southampton)
L.L.M. van Deenen (Utrecht)

ASSOCIATE MANAGING EDITOR

D.J. Waxman (Boston, MA)

EDITORS

H. Aiba (Nagoya)
B. Andersson (Stockholm)
J. Badwey (Boston, MA)
J. Barber (London)
M.T. Bayliss (London)
R.J. Beynon (Liverpool)
I. Björkhem (Huddinge)
J. Bremer (Oslo)
Z.I. Cabantchik (Jerusalem)
R. Cammack (London)
I.D. Campbell (Oxford)
G. Cevc (München)
C.M. Cohen (Boston, MA)
R.A. Coleman (Durham, NC)
P.R. Cullis (Vancouver)
B. de Kruijff (Utrecht)
M.L. DePamphilis (Nutley, NJ)
J.J.H.H.M. de Pont (Nijmegen)
D. DerVartanian (Athens, GA)
B. Deuticke (Aachen)
B. Diner (Wilmington, DE)
K.T. Douglas (Manchester)
C.P. Downes (Dundee)
J. Fain (Memphis, TN)
S.J. Ferguson (Oxford)
W.B. Gratzer (London)
F. Grosveld (Rotterdam)
A.K. Hajra (Ann Arbor, MI)
M. Hamberg (Stockholm)
D.A. Harris (Oxford)
J.L. Harwood (Cardiff)
F. Hofmann (München)
D. Holten (St. Louis, MO)
C.-h. Huang (Charlottesville, VA)

R.C. Hughes (London)
M. Iwabuchi (Kyoto)
J.B. Jackson (Birmingham)
P. Jollès (Paris)
Y. Kan (San Francisco, CA)
J. Kay (Cardiff)
Y. Kaziro (Palo Alto, CA)
B. Kemp (Melbourne)
R. Kinne (Dortmund)
C. Klee (Bethesda, MD)
W. Lands (Rockville, MD)
A.G. Lee (Southampton)
I.G. Macara (Burlington, VT)
F. Maley (Albany, NY)
R. Malkin (Berkeley, CA)
D. Marsh (Göttingen)
A.N. Martonosi (Syracuse, NY)
H. Morii (Osaka)
G.L. Nelsestuen (St. Paul, MN)
Y. Nozawa (Gifu)
C.R. Pace-Asciak (Toronto)
P. Parker (London)
M.C. Phillips (Philadelphia, PA)
P. Pilch (Boston, MA)
L.A. Pinna (Padua)
P.G.W. Plagemann (Minneapolis, MN)
R. Prince (Annandale, NJ)
K. Rajagopalan (Durham, NC)
P.J. Randle (Oxford)
J. Riordan (Boston, MA)
I.A. Rose (Philadelphia, PA)
J.-M. Saudubray (Paris)
A.M. Scanu (Chicago, IL)
G.L. Scherphof (Groningen)

C.W. Schmid (Davis, CA)
W.J. Schneider (Vienna)
J. Seelig (Basel)
C.N. Serhan (Boston, MA)
G.G. Shipley (Boston, MA)
D. Shugar (Warsaw)
J.R. Silvius (Montreal)
M. Sinensky (Denver, CO)
F. Snyder (Oak Ridge, TN)
H.D. Soling (Göttingen)
M.J. Spiro (Boston, MA)
J.M. Tager (Amsterdam)
K.F. Tipton (Dublin)
I.P. Trayer (Birmingham)
I. Trowbridge (San Diego, CA)
C.L. Tsou (Beijing)
D.E. Vance (Edmonton)
J. Vanderkooi (Philadelphia, PA)
L.M.G. van Golde (Utrecht)
H.J. van Gorkom (Leiden)
T. Vänngård (Gothenburg)
M. Waite (Winston-Salem, NC)
A. Watts (Oxford)
T.J. Wheeler (Piscataway, NJ)
R.J.P. Williams (Oxford)
J.R. Williamson (Philadelphia, PA)
R. Williamson (London)
L. Wojtczak (Warsaw)
J. Woodgett (Toronto)
C.A. Wraight (Urbana, IL)
S. Yeaman (Newcastle upon Tyne)
C. Yocum (Ann Arbor, MI)
R.F.A. Zwaal (Maastricht)

biomembranes

VOL. 1195 (1994)

Managing Editors: H. van den Bosch, K. van Dam,
P.L. Dutton, G.D. Fasman, Y. Kagawa, E.P. Kennedy,
G.K. Radda (Chairman), G. Schatz and P.C. van der Vliet

Associate Managing Editor: D.J. Waxman

Honorary Managing Editors: L.L.M. van Deenen and E.C. Slater



ELSEVIER

Amsterdam – Lausanne – New York – Oxford – Shannon – Tokyo