

Biochemical Journal

The Biochemical Society, London © 1994

Volume 299, part 3
1 May 1994

Editorial Board

Chairman

A. J. Turner • Leeds

Deputy Chairmen

S. J. Higgins • Leeds
M. A. Kerr • Dundee
K. Siddle • Cambridge
W. L. R. Stalmans • Leuven
L. M. G. van Golde • Utrecht
V. A. Zammit • Ayr

Reviews Editor

A. E. Pegg • Hershey

Managing Editor

R. C. Oliver

Senior Staff Editor

L. Johnson

Staff Editors

E. N. Maltby
S. M. Hobday
J. A. Chawner
N. M. Rusbridge

A. Aitken (London)
B. H. Anderton (London)
D. J. Anstee (Bristol)
F. J. Ballard (Adelaide)
G. Banting (Bristol)
N. J. M. Birdsall (London)
G. D. Birnie (Glasgow)
K. R. Bruckdorfer (London)
R. D. Burgoyne (Liverpool)
S. J. W. Busby (Birmingham)
A. M. Campbell (Glasgow)
K. H. Cheeseman (Uxbridge)
S. Cockcroft (London)
P. J. Courtooy (Bruxelles)
A. P. Dawson (Norwich)
H. R. de Jonge (Rotterdam)
J. S. Easterby (Liverpool)
J. Feeney (London)
D. A. Fell (Oxford)
M. A. J. Ferguson (Dundee)
P. Ferré (Paris)
J. B. C. Findlay (Leeds)
I. Fridovich (Durham)
G. W. Gould (Glasgow)
D. K. Granner (Nashville)
A. P. Halestrap (Bristol)
D. G. Hardie (Dundee)
D. Häussinger (Freiburg)
D. Heinegård (Lund)
H. Holmsen (Bergen)
D. J. Hopper (Aberystwyth)
R. F. Irvine (Cambridge)
R. A. John (Cardiff)
N. Katunuma (Tokushima)
J. P. Kehrer (Austin)
K. I. Kivirikko (Oulu)

R. G. Knowles (Beckenham)
D. S. Latchman (London)
R. C. Leegood (Sheffield)
A. R. Lehmann (Brighton)
J. P. Luzio (Cambridge)
T. J. Mantle (Dublin)
D. Marsh (Göttingen-Nikolausberg)
S. B. Marston (London)
P. P. McCann (Annapolis)
J. G. McCormack (Edinburgh)
M. A. McNurlan (Stony Brook)
H. Nagase (Kansas City)
I. A. Nimmo (Edinburgh)
Y. Nishizuka (Kobe)
R. H. Pain (Newcastle upon Tyne)
A. J. Paine (London)
P. Parker (London)
J. D. Pearson (London)
A. J. Rivett (Leicester)
M. F. Scully (London)
S. B. Shears (Research Triangle Park)
M. L. Sinnott (Chicago)
A. R. Slabas (Durham)
B. E. Smith (Brighton)
J. B. Smith (Philadelphia)
A. K. Soutar (London)
F. A. Stephenson (London)
D. M. Swallow (London)
J. M. Tavaré (Bristol)
J. H. Veerkamp (Nijmegen)
M. J. O. Wakelam (Birmingham)
M. Watford (New Brunswick)
S. J. Weiss (Ann Arbor)
A. S. Whitehead (Dublin)
B. G. Winchester (London)
J. Woodgett (Toronto)



- The *Biochemical Journal* is published and distributed by Portland Press Ltd on behalf of the Biochemical Society, and appears twice monthly.
- **Editorial and publishing offices:** *Biochemical Journal*, 59 Portland Place, London W1N 3AJ, U.K.
- **Subscriptions department:** Portland Press Ltd, P.O. Box 32, Commerce Way, Colchester CO2 8HP, U.K.
- All rights reserved. Apart from any fair dealing for the purposes of research or private study, or criticism or review, as permitted under the Copyright, Designs and Patents Act, 1988, this publication may be reproduced, stored or transmitted, in any forms or by any means, only with the prior permission in writing of the publishers, or in the case of reprographic reproduction in accordance with the terms of permissions granted by copyright clearing houses such as the Copyright Licensing Agency (U.K.) or the Copyright Clearance Center (U.S.A.). The CCC item-fee code for this publication is 0264-6021/94/\$5.00 + 0.00. Inquiries concerning reproduction outside those terms should be sent to the publishers at the above-mentioned address.
- Although, at the time of going to press, the information contained in this publication is believed to be correct, neither the authors nor the editors nor the publisher assume any responsibility for any errors or omissions herein contained.
- Second-class postage paid at Rahway, NJ, U.S.A. U.S. Postmaster: send address changes to *Biochemical Journal*, c/o Mercury Airfreight International Ltd, 2323 Randolph Avenue, Avenel, NJ 07001, U.S.A.
- **Cover illustration:** Jurkat T cells were stimulated with the CD3 antibody, OKT3, for 1 min and after paraformaldehyde fixation were double-labelled with anti-phosphotyrosine antibody (green channel) and with anti- α -tubulin antibody (red channel). The image shows a single optical section of a typical interphase cell. Phosphotyrosine is detected at the plasma membrane and surrounding the convergence of microtubules at the centrosome. Illustration provided by Steve Ley (NIMR, London) and Peter Jordan (ICRF, London).

Instructions to Authors

General policy The *Biochemical Journal* publishes papers in English in all fields of biochemistry, provided that they make a sufficient contribution to biochemical knowledge. Papers may include new results obtained experimentally, descriptions of new experimental methods of biochemical importance, or new interpretations of existing results. Theoretical contributions will be considered equally with papers dealing with experimental work. All work presented should have as its aim the development of biochemical concepts rather than the mere recording of facts. Preliminary, confirmatory or inconclusive work will not be published. The *Biochemical Journal* will not publish material that has been wholly or largely published elsewhere, even as a preliminary communication or in refereed symposium proceedings; equally, fragmentation of research into the "least publishable unit" is discouraged.

Submission of a paper implies that it has been approved by all the named authors, that all persons entitled to authorship have been so named, that it reports unpublished work that is not under consideration elsewhere, and that if the paper is accepted for publication the authors will transfer to the Biochemical Society the copyright in the paper, which will then not be published elsewhere in the same form, in any language, without the consent of the Society. Authors will be required to sign an undertaking to these effects.

Authors may suggest potential reviewers for their papers, but the journal is under no obligation to follow such suggestions. Authors may also specify the names of those they wish to be excluded from the review process, and such wishes are usually respected unless, in the opinion of the journal, such a request unreasonably excludes all the expertise available to it in that scientific area.

To allow the reviewers to assess possible overlap with previous work, all submitted papers must be accompanied by duplicate copies of the author's relevant published work and of all related papers in press or under editorial consideration in this or other journals.

The paragraphs below are a summarized version of the journal's complete Instructions to Authors [Biochem. J. (1994) **297**, 1–15], of which copies are available free of charge from the editorial office.

The following types of paper are included in the journal.

Research Papers are the normal form of publication, and may be of any length that is justified by their content. However, because of pressure for space in the journal, no paper, whatever its scientific merits, will be accepted if it exceeds the minimum length required for precision in describing the experiments and clarity in interpreting them. As a guide, most Research Papers published in the *Biochemical Journal* are of between six and eight printed pages. A

concise well-written paper tends to be published more rapidly.

Research Communications are short (maximum four printed pages) papers bringing particularly novel and significant findings to the attention of the research community. It is intended that a decision on acceptance or rejection will be made within 2 weeks of receipt, and publication of accepted Communications will follow within 2 months. Research Communications receive full but accelerated reviewing and the criteria of "novelty and significance" are strictly enforced; Communications are not a path to accelerated publication of sound but non-urgent material. Authors must include in their letter of submission a brief statement of why they believe their Communication merits accelerated treatment.

BJ Letters are brief (two printed pages or less) items of scientific correspondence intended to provide an opportunity to discuss or expand particular points made in published work, to comment on or criticize work previously published in the *Biochemical Journal*, to discuss features of novel nucleotide and/or amino acid sequence data of particular biological significance, or to present a new hypothesis. They should not contain extensive new data (which would best be placed in a regular paper) and are not a vehicle for publication of preliminary results. If a letter is polemical in nature, a reply will be solicited from other interested parties.

Reviews will usually be solicited, although unsolicited reviews will be considered for publication. Prospective writers of reviews should first consult the Reviews Editor, via the editorial office, and should enclose a short (one typed page) summary of the area they propose to cover.

Procedure for submission Before preparing papers for the journal, authors should consult a current issue to make themselves familiar with the general format, such as the use of cross-headings, layout of tables and figures and citation of references. Typescripts should be double-spaced throughout (particularly references and table and figure legends) on numbered sheets of uniform size (preferably ISO A4) with wide margins. Output from low-quality dot matrix printers is not acceptable. A full page of text in the *Biochemical Journal* contains approximately 1200 words; when calculating the printed length of papers, allowance must be made for the space occupied by tables and figures and the number of text words reduced accordingly.

Either the Harvard system or the numerical system of references may be used. A reference to "unpublished work" should be accompanied by the names of all persons concerned; a reference to a "personal communication" must be supported by written permission for the quotation from the person or persons concerned.

cerned; both of these types of citation are permitted in the text only, not in the list of references.

Three copies of the typescript (four copies for Research Communications), with a brief covering letter to which should be attached an additional copy of the synopsis, should be sent to:

The Managing Editor
Biochemical Journal
59 Portland Place
London W1N 3AJ
U.K.

(telephone 071-637 5873; fax 071-323 1136; from overseas the international code for the U.K. is 44 and the leading 0 should be omitted).

The typescript should indicate the name, address, telephone number and fax number of the person to whom correspondence should be addressed. The top copy of the typescript should be marked as such and should have attached to it the original figures; for the other copies of the typescript, glossy prints (*not* photocopies) of the half-tone figures should be provided, but photocopies of line drawings will suffice. A short (page-heading) title of not more than 75 characters should be provided, and authors should indicate the preferred section in the table of contents for their paper:

Proteins • **Enzymes** • **Carbohydrates and lipids**
• **Gene structure and expression** • **Regulation of metabolism** • **Membranes and bioenergetics**
• **Receptors and signal transduction** • **Cell biology and development**

Submission by fax Research Communications and BJ Letters that do not contain half-tone figures may be submitted by fax to the number above. Only one copy of the typescript need be transmitted. Acknowledgment of receipt and the review decision will be returned by fax to the author. The current Instructions to Authors contains full details of this procedure.

Submission on diskette The journal encourages authors to submit diskettes of accepted articles to the editorial office. Every effort will be made to use the diskette during typesetting, but this cannot be guaranteed. Authors must ensure that files have been updated to incorporate all revisions, and hence that the version on the diskette matches the accepted hard copy. Files should be formatted double-spaced with no hyphenation and automatic wordwrap (no hard returns with paragraphs). The diskette should be accompanied by a covering letter specifying manuscript number, operating system and software program. We will try to accommodate all hardware and software systems; however, we prefer WordPerfect for Windows.

Other information

The *Biochemical Journal* is published and distributed by Portland Press Ltd on behalf of the Biochemical Society. It is published twice monthly; in 1994 volumes 297–304 (three parts each) will appear. The subscription also includes the annual compendium of *Biochemical Journal Reviews* and an author and key-word index.

Subscription rates Institutional subscription rates for 1994 are shown below. Subscribers to the *Biochemical Journal* can subscribe additionally to *Biochemical Society Transactions* on a joint subscription at a reduced rate. Terms are cash with order (£ sterling for subscribers other than in North America, or US\$ equivalent at current rate of exchange), or against pro-

forma invoice. Orders should be sent to the address below, or through your usual agent.

	North America	Rest of the world
One year (8 volumes)	US\$ 1495	£825
Single issues	US\$ 68	£36

The subscription rates for North America and Japan include elements for airfreight and Accelerated Surface Post respectively. Subscribers may opt for air-mail delivery at additional cost; details are available on application.

Microfiche and back issues Volumes 102–296 of the *Biochemical Journal* are avail-

able on microfiche. Back issues are also available. Further details may be obtained from the address below.

Subscription department
Portland Press Ltd
P.O. Box 32, Commerce Way
Colchester CO2 8HP, Essex, U.K.
(telephone 0206-796351; fax 0206-799331).

Advertising Advertising is accepted in the *Biochemical Journal*. For information contact the Advertising Department, Portland Press Ltd, 59 Portland Place, London W1N 3AJ (telephone 071-580 5530; fax 071-323 1136).

Index of Authors

PAGE		PAGE		PAGE		PAGE
Abadie, C.	725	Elmore, M.	853	Kühl, P. W.	903	Quinney, H. A.
Aitken, A.	853	Englund, P. T.	741			831
Aktories, K.	775			Labbé, J.-P.	875	Raben, D. M.
Anderson, D. C.	881	Fan, X.-T.	701	Lagrange, D.	889	Rees, H. H.
Aplin, R. T.	671	Feldmann, G.	645	Lamango, N. S.	651	Rees, W. D.
		Finbloom, D. S.	799	Lamri, Y.	645	Regoeczi, E.
Badaracco, G.	623	Finnen, M. J.	853	Landsberger, N.	623	Robert, B.
Baldwin, S. A.	769	Finsterwald, K.	665	Lardeux, B.	645	Roberts, G. P.
Banfić, H.	603	Fisher, M. J.	711	Lasić, Z.	603	Robinson, C. V.
Baracos, V. E.	831	Fowler, G. J. S.	695	Lelievre, S.	875	Robinson, K.
Barnes, M. J.	791	Fricker, G.	665	Leung, Y.-C.	671	
Benevolensky, D.	631	Fuchsbauer, H.-L.	825	Liu, S.	831	Salvatore, L.
Benfante, R.	623			Lovett, M.	683	Saqib, K. M.
Benyamin, Y.	875	Gains, N.	725	Luong, H.	799	Saville, M. K.
Bernabé, M.	903	Gerber, U.	825			Sherwood, J. L.
Bernet, D.	679	Goodall, A. H.	791	Madrazo, J.	853	Shimegi, S.
Beullens, M.	903	Gorchein, A.	869	Malbon, C. C.	593	Shnyrov, V. L.
Bleiberg-Daniel, F.	645	Grant, S. D.	637	Malet, C.	903	Sockalingum, G. D.
Bollen, M.	903	Greenhaw, J. J.	761	Malewiak, M.-I.	889	Somogyi, L.
Bolwell, G. P.	747	Griglio, S.	889	Mannaerts, G. P.	597	Sonnenberg, A.
Boumah, C. E.	769			Martin, H.	853	Spithill, T. W.
Boyer, J. L.	665	Haines, K. A.	881	Martin, S.	853	Stalmans, W.
Boyer, M.	875	Hara, T.	711	McDaniel, M. L.	719	
Brosa, C.	903	Hart, G. W.	741	Misuraca, G.	839	Titheradge, M. A.
Bruce, N. C.	805	Harvey, C. M.	769	Modderman, P. W.	613	
Bunnett, N. W.	683	Haslam, R. J.	701	Molad, Y.	881	Van Eynde, A.
Buyon, J. P.	881	Hay, S. M.	637	Monden, I.	813	Van Veldhoven, P. P.
		Horton, R. A.	735	Moraru, I. I.	631	von dem Borne, A. E. G. Kr.
Cameselle, J. C.	679	Houslay, M. D.	863	Morris, A. J.	593	613
Canales, J.	679	Howell, S.	853	Morton, L. F.	791	Vukičević, S.
Carettoni, D.	623	Hu, W.-L.	819	Moxham, C. M.	593	
Cass, C. E.	769	Hug, M.	725	Mynatt, R. L.	761	Waley, S. G.
Ceppi, E. D.	735	Humphries, M. J.	791	Norgauer, J.	775	Walker, I. D.
Chen, J.-H.	711	Hunter, C. N.	695			Watkins, D. C.
Chindemi, P. A.	819			Okajima, F.	845	Watras, J.
Clandinin, M. T.	831	Isaac, R. E.	651	Okamoto, A.	683	Wellner, M.
Cook, G. A.	761	Jeffery, J.	805			Wijffels, G. L.
Corbett, J. A.	719	Jiménez-Barbero, J.	903	Palumbo, A.	839	Willey, D. L.
Costas, M. J.	679	Jones, D.	853	Panaccio, M.	781	Wilson, C. M.
Coulson, A. F. W.	805	Jones, R. M.	895	Patel, Y.	853	Wilson, L.
Cronstein, B. N.	881	Jordan, P. M.	895	Paterson, A. R. P.	769	Winestock, K. D.
Cushman, S. W.	755	Jucknischke, U.	825	Payan, D. G.	683	Wojtaszek, P.
				Peachey, A. R.	791	Young, J. D.
De Martino, L.	839	Keller, K.	813	Pessin, M. S.	741	769
Diard, P.	889	Knowles, R. G.	735	Pinto, R. M.	679	Zagni, E.
d'Ischia, M.	839	Koch, G.	775	Planas, A.	903	623
Doering, T. L.	741	Kondo, Y.	845	Prota, G.	839	Zhadan, G. G.
Dubost, V.	665	Kübli, C.	725	Putzien, S.	825	731
						Zijenah, L. S.
						791
						Zimmerlin, A.
						747

Index of Authors

Volume 299, 1994

Abadie, C.	725	Carettoni, D.	623	Fung, W.-J. C.	109	Kalra, J.	97
Abrahamson, M.	219	Cass, C. E.	769	Gains, N.	725	Kambayashi, J.-I.	303
Aitken, A.	853	Cavarra, E.	237	Gallacher, D. V.	37	Kanfer, J. N.	375
Aktories, K.	775	Ceppi, E. D.	735	Gambari, R.	451	Karlström, A.	507
Alban, C.	141	Cerione, R. A.	351	Ganapathy, V.	253	Katsuda, S.	335
Alexander, R. W.	197	Chambers, T. C.	309	Gardi, C.	237	Kawasaki, T.	303
Alexeev, D.	159	Chen, J.-H.	711	Gardner, W. A., Jr.	341	Keller, K.	813
Amatayakul-Chantler, S.	261	Chen, T.	109	Gerber, U.	825	Kemp, P. R.	227
Anderson, D. C.	881	Chindemi, P. A.	819	Gilbert, H. J.	381	Khoo, C.	445
Anstee, D. J.	191	Clandinin, M. T.	831	Glass, D. B.	109	Kindberg, G. M.	437
Aplin, R. T.	671	Claret, M.	579	Gilfillan, A. M.	109	Kjeldsen, L.	473
Arakawa, S.	59	Collado-Escobar, D.	553	Gil-Gómez, G.	65	Knabe, D. A.	115
Asano, S.	59	Combettes, L.	579	Gilkes, A. F.	481	Knowles, R. G.	735
Asins, G.	65	Congote, L. F.	101	Gjøen, T.	437	Knudsen, J.	165
Auclair, M.	85	Cook, G. A.	761	Glass, D. B.	309	Koch, G.	775
Ayad, S.	497	Cooper, J. A.	569	Goodall, A. H.	791	Kondo, Y.	845
Ayté, J.	65	Corbett, J. A.	719	Gorchein, A.	869	Kortt, A. A.	521
Azevedo, J. E.	297	Costas, M. J.	679	Gour-Salin, B. J.	389	Koshy, T. I.	347
Babál, P.	341	Costelli, P.	71	Grainger, D. J.	227	Kristiansen, K.	165
Baccino, F. M.	71	Coulson, A. F. W.	805	Grant, S. D.	637	Küblí, C.	725
Badaracco, G.	623	Cousins, R. J.	445	Green, J.	151	Kühl, P. W.	903
Bakkelen, H. F.	285, 291	Cramb, G.	481	Greenhaw, J. J.	761	Kuiper, J.	285, 291
Baldwin, S. A.	769	Crine, P.	171	Griendling, K. K.	197	Kuo, J. F.	309
Banfić, H.	603	Cronstein, B. N.	881	Griglio, S.	889	Labbé, J.-P.	875
Baracos, V. E.	831	Crossman, M. V.	497	Grimmellikhuijzen, C. J. P.	431	Labbe, O.	367
Bareyal-Leyser, A.	19	Cryer, A.	417	Groner, Y.	409	Labousse, C. L.	579
Barnes, M. J.	791	Cushman, S. W.	755	Guarnieri, C.	515	Lachance, P.	389
Barritt, G. J.	399	de Bont, H. J. G. M.	539	Guild, S. B.	481	Lagrange, D.	889
Bartrons, R.	65	De Martino, L.	839	Hagmann, W.	467	Lamango, N. S.	651
Bassenge, E.	247	de Santi, M.	237	Haines, K. A.	881	Lamri, Y.	645
Befani, O.	317	Desarnaud, F.	367	Halban, P. A.	1	Lanciotti, R. A.	183
Bender, P. K.	183	Deyashiki, Y.	545	Hara, A.	545	Lancôt, C.	171
Benevolensky, D.	631	Diárd, P.	889	Hara, T.	711	Landsberger, N.	623
Benfante, R.	623	Diekhoff, D.	431	Hart, G. W.	741	Lang, H.	393
Benyamin, Y.	875	d'Ischia, M.	839	Harvey, C. M.	769	Lardeux, B.	645
Berg, T.	437	Djavaheri-Mergny, M.	85	Haslam, R. J.	701	Lasić, Z.	603
Bernabé, M.	903	Doering, T. L.	741	Hay, S. M.	637	Lasségue, B.	197
Bernet, D.	679	Douce, R.	141	Hazlewood, G. P.	381	Lee, S. J.	79
Berthon, B.	579	Dubertret, L.	85	Hecker, M.	247	Leibach, F. H.	253
Berven, L. A.	399	Dubost, V.	665	Hegardt, F. G.	65	Lelievre, S.	875
Beullens, M.	903	Durden, D. L.	569	Hemming, N. J.	191	Leung, Y.-C.	671
Beutting, D. M.	291	Duval, M.	141	Hirasawa, M.	59	Levanon, D.	409
Biessen, E. A. L.	285, 291	Dwek, R. A.	261	Hoffmann, R.	393	Li, Q.	101
Bishop, P. N.	497	Eckerskorn, C.	297	Horrocks, L. A.	437	Li, S.	109
Björk, I.	219	Edwards, R.	521	Horton, R. A.	91	Lilley, G. G.	521
Black, G. W.	381	Eggerickx, D.	367	Houghton, R. A.	735	Lin, P.	109
Bleiberg-Daniel, F.	645	Ekokoski, E.	213	Houslay, M. D.	587	Ling, S. Y.	19
Blondelle, S. E.	587	Elmore, M.	853	Howell, S.	863	Liu, S.	831
Board, P.	425	Elson, A.	409	Hu, W.-L.	171, 853	Love, S.	151
Boileau, G.	171	Englund, P. T.	741	Huang, K.-S.	819	Lovett, M.	683
Bollen, M.	123, 903	Espín, J. C.	29	Huber, R. E.	109	Lungarella, G.	237
Bolwell, G. P.	747	Fabbrizio, E.	359	Hug, M.	527	Luntz, T. L.	347
Borregaard, N.	473	Færgeman, N. J.	165	Hughes, B. P.	725	Luong, H.	799
Bou-Hanna, C.	579	Fan, X.-T.	701	Hugon, G.	359	Lynch, A. S.	129
Boulay, F.	473	Farooqui, A. A.	91	Humphries, M. J.	791	Madrazo, J.	853
Boumah, C. E.	769	Feldmann, G.	645	Hunter, C. N.	695	Magny, M.-C.	389
Boyer, J. L.	665	Feriotto, G.	451	Ikebe, M.	651	Malbon, C. C.	593
Boyer, M.	875	Field, M. C.	261	Ikemoto, S.	203, 207	Malet, C.	903
Boyer, T. D.	79	Finbloom, D. S.	799	Irminger, J.-C.	1	Malewiak, M.-I.	889
Brandsch, M.	253	Finnem, M. J.	853	Isaac, R. E.	141	Mannærts, G. P.	597
Brandsch, R.	393	Finsterwald, K.	665	Jeffery, J.	489	Marano, R. J.	425
Briggs, G. S.	129	Fisher, K. J.	49	Jiménez-Barbero, J.	903	Marcolongo, P.	237
Brosa, C.	903	Fisher, M. J.	711	Jordan, P. M.	141	Margoliash, E.	347
Bruce, N. C.	805	Flamigni, F.	515	Jucknischke, U.	895	Martin, H.	853
Bunnell, N. W.	683	Flitsch, S. L.	23	Judd, G. G.	825	Martin, S.	853
Bury, S. M.	159	Flynn, N. E.	115	Juel, C.	19	Martinez-Bilbao, M.	527
Busse, R.	247	Förstermann, U.	247	Jones, D.	853	Martins, E. A. L.	137
Buyon, J. P.	881	Fowler, G. J. S.	695	Jones, R. M.	895	Martorana, P. A.	237
Caldwell, J. B.	521	Freudenberg, N.	393	Jordan, P. M.	895	Massarelli, R.	375
Calzoni, P.	237	Frick, G.	665	Judd, G. G.	825	Massillon, D.	123
Cameselle, J. C.	679	Friedman, S. L.	79	Juel, C.	533	Mawby, W. J.	191
Campana, G.	515	Fuchsauer, H.-L.	825	Kajii, E.	203, 207	Mazière, C.	85
Canales, J.	679	Fukuda, K.	303			Mazière, J.-C.	85
Carboni, L.	515					McDaniel, M. L.	719

McGivan, J. D.	321	Pastor-Anglada, M.	321	Saqib, K. M.	637	Van Berkel, T. J. C.	285, 291
McLeod, D.	497	Patel, Y.	853	Sato, K.	545	van de Water, B.	539
Ménard, R.	389	Paterson, A. R. P.	769	Saville, M. K.	863	van de Werve, G.	123
Meneghini, R.	137	Payan, D. G.	683	Sawyer, L.	159	Van Veldhoven, P. P.	597
Metcalfe, J. C.	227	Peachey, A. R.	791	Scarpa, M.	317	Vassart, G.	367
Mikhævitich, I. S.	375	Pejler, G.	507	Scheijer, A.	347	Vaughan, J.	521
Minaian, K.	393	Pérez-Payá, E.	587	Schmutzler, C.	431	von dem Borne, A. E. G. Kr.	613
Mischiatì, C.	451	Pessin, M. S.	741	Sengeløv, H.	473	Vukićević, S.	603
Misuraca, G.	839	Phillips, W. J.	351	Serra, D.	65		
Mitchell, J. L. A.	19	Pindak, F. F.	341	Sharma, R. K.	97	Walday, P.	437
Miura, R.	561	Pinto, R. M.	679	Shaw, K.	151	Waley, S. G.	671
Miyabe, Y.	545	Planas, A.	903	Sherwood, J. L.	701	Walker, C. J.	277
Miyamoto, Y.	253	Plotkin, B.	347	Shiba, E.	303	Walker, I. D.	781
Modderman, P. W.	613	Plouffe, C.	389	Shimegi, S.	845	Watkins, D. C.	593
Molad, Y.	881	Pohl, J.	309	Shiota, K.	561	Watras, J.	631
Mollinedo, F.	553	Pol, E.	219	Shnyrov, V. L.	731	Webberley, M. C.	23
Monden, I.	813	Pons, F.	359	Shoshan-Barmatz, V.	177	Weil, S.	177
Mondovi, B.	317	Prota, G.	839	Singh, I. N.	375	Weinstein, J. D.	277
Mora, L.	85	Putzien, S.	825	Skotland, T.	437	Weiss, Y.	409
Moraru, I. I.	631			Smerdon, S. J.	129	Weissberg, P. L.	227
Mori, T.	303	Quinney, H. A.	831	Smith, P. M.	37	Wellner, M.	813
Mornet, D.	359			Sockalingum, G. D.	695	Wells, D. J.	341
Morris, A. J.	593	Raben, D. M.	741	Söderström, K.	507	Werner, S.	297
Mort, J. S.	219	Rademacher, T. W.	261	Somogyi, L.	603	Whalen, R.	79
Morton, L. F.	791	Radha, V.	41	Sonnenberg, A.	613	Wibrand, F.	533
Moxham, C. M.	593	Ramage, R.	151, 159	Sono, A.	335	Wijffels, G. L.	781
Muir, T. W.	151, 159	Rando, R. R.	459	Sorrentino, G.	375	Wilkinson, A. J.	129
Mülsch, A.	247	Rao, G. N.	197	Soteriou, A.	417	Willey, D. L.	805
Mynatt, R. L.	761	Rasmussen, J. T.	165	Spampinato, S.	515	Wilson, C. M.	755
		Raub-Segall, E.	219	Spithill, T. W.	781	Wilson, I. B. H.	23
Nagelkerke, J. F.	539	Rees, H. H.	711	Stalmans, W.	123, 903	Wilson, J. M.	49
Nakanishi, M.	545	Rees, W. D.	637	Stevanato, R.	317	Wilson, L.	781
Nakayama, T.	545	Regoezzi, E.	819	Stewart, D. J.	521	Winestock, K. D.	799
Nambirajan, S.	41	Reid, M. E.	191	Storer, A. C.	389	Witchell, C. M.	227
Noda, K.	561	Repetto, B.	109	Swarup, G.	41	Wojtaszek, P.	747
Norgauer, J.	775	Revers, L.	23			Wu, G.	115
Nudel, U.	359	Rigo, A.	317	Takahashi, M.	561		
Oakeshott, J. G.	425	Robert, A.	359	Takami, K.	335		
Ogasawara, A.	545	Robert, B.	695	Takeguchi, N.	59	Xue, G.-P.	381
Ogawa, T.	561	Roberts, G. P.	659	Tanner, M. J. A.	191		
Ogden, P. H.	481	Robinson, C. V.	671	Tauler, A.	65		
Ogunjobi, O. M.	151, 159	Robinson, K.	853	Tessitore, L.	71	Yagi, S.	561
Ohta, K.	59	Rosa, J. L.	65	Titheradge, M. A.	735	Yang, H.-C.	91
Ohta, M.	59	Rosen, H.	569	Tolleshaug, H.	437	Yano, Y.	303
Oiki, E.	303	Rowan, A. D.	219	Törnquist, K.	213	Young, J. D.	769
Okajima, F.	845	Rudd, P. M.	261	Tudela, J.	29	Yuan, J.	527
Okamoto, A.	683	Russell, R. J.	425	Turner, M. A.	159		
Orpin, C. G.	381	Sakaguchi, K.	335	Tyrrell, R.	129	Zagni, E.	623
		Sakai, H.	59			Zhadan, G. G.	731
Palumbo, A.	839	Sakon, M.	303	Umenishi, F.	203, 207	Zhou, Z. L.	489
Panaccio, M.	781	Salvatore, L.	781	Urbach, J.	459	Zijenah, L. S.	791
Parmentier, M.	367	Santus, R.	85	Van Eynde, A.	903	Zimmerlin, A.	747
						Zoeteweij, J. P.	539