

Editorial Board

Chair

P. R. Shepherd • Auckland

Vice Chair, The Americas

G. Salvesen • La Jolla, CA

Vice Chair, Asia-Pacific

T. Xu • Beijing

Vice Chair, Europe

D. R. Alessi • Dundee

Reviews Editor

G. Salvesen • La Jolla, CA

Deputy Chairs

J. F. Cáceres • Edinburgh**D. Carling** • London**L. J. Goodyear** • Boston, MA**D. Hoekstra** • Groningen**S. Huber** • Urbana, IL**J. E. Ladbury** • Houston, TX**M. A. Lemmon** • Philadelphia, PA**C. MacKintosh** • Dundee**M. Murphy** • Cambridge**S. Roberts** • Buffalo, NY**M. A. Schwartz** • New Haven, CT**D. Tosh** • Bath**D. M. F. van Aalten** • Dundee**B. Vanhaesebroeck** • London**H. M. Wallace** • Aberdeen**M. F. White** • St Andrews

Publisher

P. J. Starley

Executive Editor

M. R. Thorne

Head of Production

M. D. Cunningham

Production Editor

E. A. G. Elloway

Staff Editors

C. L. Curtis**J. W. Mockridge****H. F. Roberts****P. D. Taylor**

Administrative Editor, US Office

S. Schendel

Administrative Editor, China Office

L. Huo

S. M. Assmann (University Park, PA)

T. K. Attwood (Manchester)

J. M. Backer (Bronx, NY)

B. M. Baker (Notre Dame, IN)

J. E. Bear (Chapel Hill, NC)

J. L. Blank (Cambridge, MA)

M. A. Bogoyevitch (Melbourne)

L. H. Boise (Atlanta, GA)

J. Bolaños (Salamanca)

S. Bröer (Canberra)

P. S. Brookes (Rochester, NY)

N. J. Buckley (London)

D. Burger (Geneva)

R. A. Casero, Jr (Baltimore, MD)

Y.-G. Chen (Beijing)

L. Chernomordik (Bethesda, MD)

A. C. Clark (Raleigh, NC)

V. Darley-Usmar (Birmingham, AL)

M. J. Davies (Sydney)

B. Davis (Oxford)

L. A. Devi (New York, NY)

I. Dikic (Frankfurt)

R. Docampo (Athens, GA)

A. F. Dulhunty (Canberra)

S. Flitsch (Manchester)

F. Foufelle (Paris)

B. Halliwell (Singapore)

J. A. Hardy (Amherst, MA)

P. Hawkins (Cambridge)

J. M. Horowitz (Raleigh, NC)

E. Ikonen (Helsinki)

A. Imberty (Grenoble)

D. A. Jans (Monash)

P. A. Jeggo (Brighton)

D. Jordan (Peoria, IL)

M. G. Kazanietz (Philadelphia, PA)

Z. Knight (New York, NY)

D. Komander (Cambridge)

D. W. Laird (London, ON)

K. Lingelbach (Marburg)

M. Lowe (Manchester)

K. Lynch (Philadelphia, PA)

B. D. Manning (Boston, MA)

S. Mayor (Bangalore)

N. Q. McDonald (London)

M. McManus (Palmerston North)

G. Melino (Leicester)

E. T. Morgan (Atlanta, GA)

S. J. Morley (Brighton)

M. Muckenthaler (Heidelberg)

B. Mulloy (South Mimms)

A. W. Munro (Manchester)

G. Murphy (Cambridge)

H. Y. Naim (Hannover)

J. H. Naismith (St Andrews)

A. R. Nebreda (Barcelona)

W. Ogawa (Kobe)

M. Okada (Osaka)

G. Panayotou (Vari)

D. Pei (Columbus, OH)

P. F. Pilch (Boston, MA)

W. C. Plaxton (Kingston, ON)

S. Ponnambalam (Leeds)

R. Y. Poon (Hong Kong)

B. V. L. Potter (Bath)

C. G. Proud (Southampton)

Z. Radić (La Jolla, CA)

K. Rittinger (London)

M. F. Roberts (Boston, MA)

K. Sakamoto (Lausanne)

J. M. Sanchez-Ruiz (Granada)

F. Sargent (Dundee)

R. Sasisekharan (Cambridge, MA)

N. Savery (Bristol)

J. R. Sayers (Sheffield)

K. Schumacher (Heidelberg)

P. T. Schumacker (Chicago, IL)

F. J. Sharom (Guelph, ON)

R. J. Shaw (La Jolla, CA)

G. S. Shelness (Winston-Salem, NC)

H. Shimano (Tsukuba City)

J. Slack (Minneapolis, MN)

S. Spiegel (Richmond, VA)

W. M. Stark (Glasgow)

G. R. Steinberg (Hamilton, ON)

H. Stenmark (Oslo)

V. Tergaonkar (Singapore)

N. K. Tonks (Cold Spring Harbor, NY)

C. Tournier (Manchester)

C. Troy (New York, NY)

M. Uesugi (Kyoto)

H. D. Ulrich (Mainz)

S. Urbé (Liverpool)

H. J. Vogel (Calgary, AB)

M.-W. Wang (Shanghai)

S. P. Watson (Birmingham)

S. Whitney (Canberra)

C. Winterbourn (Christchurch, NZ)

D. Withers (London)

D. Wu (Guangzhou)

A. Xu (Hong Kong)

H.-W. Xue (Shanghai)

I. Zachary (London)

C. Zurzolo (Paris)

- Journal compilation © 2013 Biochemical Society
- The *Biochemical Journal* (ISSN 0264-6021 for print/online journal; ISSN 1470-8728 for online only journal) is published and distributed by Portland Press Limited on behalf of the Biochemical Society (the owner), and appears twice monthly (24 issues).
- **Editorial and publishing offices:** *Biochemical Journal*, Portland Press Limited, Third Floor, Charles Darwin House, 12 Roger Street, London WC1N 2JU, U.K.
- **US agent:** c/o Air Business Ltd, c/o Worldnet Shipping Inc., 156–15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, U.S.A.
- **Subscriptions department:** Portland Customer Services, 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 0264-6021/2013/\$50.00 + 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. Opinions expressed in articles are not necessarily those of the editors, the publisher or the owner.
- Periodicals postage paid at Jamaica, NY 11431
- **Postmaster:** send address corrections to *Biochemical Journal*, c/o Air Business Ltd, c/o Worldnet Shipping Inc., 156–15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, U.S.A.
- **Cover design:** Angie Moyes (www.fuz.co.uk).
- **Cover image credits:** M. Sharon Stack, University of Missouri; Carmen A. Mannella, Research and Technology Wadsworth Center, Albany, NY; Department of Microbiology, University of Leeds; Jan A. Miernyk, University of Missouri; G. P. Côté, Kingston, Ont.; G. Salvesen, La Jolla; Dr Gordon Beakes, Newcastle University.



● **General policy** The *Biochemical Journal* publishes papers in English in all fields of biochemistry and cellular and molecular biology, provided that they make a sufficient contribution to knowledge in these fields. Papers may include new results obtained experimentally, descriptions of new experimental methods of biochemical importance, or new interpretations of existing results. Novel theoretical contributions will be considered, although these papers should also contain some experimental testing of the theory. 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 unrefereed symposium proceedings or on the World Wide Web (WWW); 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, including that on the WWW, and of all related papers in press or under editorial consideration in this or other journals.

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.

Accelerated Publications (APs) are short (normally 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 10 working days of receipt, and publication of accepted APs in an issue will follow within 2 months. APs receive full but accelerated reviewing. The criteria of 'novelty and significance' are strictly enforced, and papers may be rejected solely on the grounds of lack of novelty and significance. APs 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 AP merits accelerated treatment. Colour figures will be published free of charge in APs, provided the use of colour is deemed scientifically necessary by the reviewers.

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 page) summary of the area they propose to cover.

● **Procedure for submission** These instructions do not replace the official *Biochemical Journal* Instructions to Authors (<http://www.BiochemJ.org>). Authors are encouraged to refer to these for overall guidelines on submitting a paper. 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. 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.

The numerical system of references must be used. A reference to 'unpublished work' must 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; both of these types of citation are permitted in the text only, not in the list of references.

● **Submit manuscripts online** Authors should submit manuscripts electronically using the Online Submission and Review System available at <http://www.BiochemJ.org/submit/>

● **Immediate Publications** Manuscripts are published online in PDF format as soon as they are accepted, unless on submission the author requests that this not be done. Immediate Publications are listed in and accessible through Medline, and are freely available to anyone with Internet access.

● **Opt2Pay** Choose to make your paper freely available. For more information see www.biochemJ.org.

● **Queries and correspondence** Authors in the Americas should address all queries and correspondence about their submission to: Dr Sharon Schendel, BJ USA, The Sanford-Burnham Institute for Medical Research, 10901 N. Torrey Pines Road, La Jolla, CA 92037, U.S.A. (telephone +1 858 795 5283; fax +1 858 795 5284; email editorial@biochemjusa.org). Authors in China should contact: Dr Lin Huo, Institute of Biophysics, Chinese Academy of Sciences, Room 5202, 15 Datun Road, Chaoyang District, Beijing 100101 (telephone +86 10 64888573; email editorial@biochemj.cn). Authors in the U.K., the rest of Europe, Japan and the rest of the world should contact: The Publisher, *Biochemical Journal*, Portland Press Limited, Third Floor, Charles Darwin House, 12 Roger Street, London WC1N 2JU, U.K. (telephone +44 20 7685 2410; fax +44 20 7685 2469; email editorial@portlandpress.com).

● **Colour figures** Colour figures are published free of charge provided that the corresponding author on the published paper has been a Full or Early Career member of the Biochemical Society for at least 2 years and that the use of colour is deemed scientifically necessary by the reviewers. Otherwise the charges are £550 for the first colour figure and £300 for each subsequent colour figure.

● **Multimedia adjuncts** The Biochemical Journal Online offers authors the opportunity to enhance their papers with multimedia adjuncts (e.g. time-lapse movies, three-dimensional structures, animated schemes). These will be submitted to peer review alongside the manuscript. To submit a paper with a multimedia adjunct, please attach the file when you submit your manuscript electronically. Preferred formats are QuickTime for time-lapse movies, PDB for structures and Flash for animated schemes. There is no extra charge associated with the publication of a multimedia adjunct online.

● **COPE** The *Biochemical Journal* is a member of the Committee on Publication Ethics and endorses its guidelines, which are available at <http://publicationethics.org.uk>

Other information

The *Biochemical Journal* is published and distributed by Portland Press Limited on behalf of the Biochemical Society. It is published twice monthly; in 2013 volumes 449–456 (three parts each) will appear. The subscription also includes an author and key-word index.

● **Abstracted by/indexed in:** BIOBASE, BIOSIS, CAB International, Chemical Abstracts Service, Current Contents, EMBASE, International Food Information Service, Medline/Index Medicus, Proquest Information & Learning, Science Citation Index.

● **Subscription rates** Institutional subscription rates for 2013 are shown below. Subscribers to the *Biochemical Journal* can subscribe additionally to *Biochemical Society Transactions* on a joint subscription at a reduced rate (see www.portlandpress.com for further details). Terms are cash with order (US\$ in N. America, £ sterling for rest of the world, or US\$ equivalent at current rate of exchange; subscribers in the EU may

pay in £ sterling or Euros), or against pro forma invoice. Orders should be sent to the address shown, to your usual agent or purchased online at www.portlandpress.com.

	N. America	Rest of world	Euro price
One year (8 vols)	US\$4820	£2720	€4050
Print and online	US\$4340	£2440	€3660
Online only	US\$272	£139	€234
Single issues (print only)			

Overseas rates include airfreight delivery. Airtpeeded delivery is available at an additional cost of £112.35/\$199/€168.

Value Added Tax (VAT) on online-only and 'combined' subscriptions is due on supplies to subscribers within the UK, and to non-registered subscribers elsewhere in the EU. If in the EU please state your VAT number otherwise VAT may be charged at the appropriate national rate.

● **Electronic back archive** This is freely available to all users with Internet access.

● **Microfiche and back issues** Volumes 102–408 of the *Biochemical Journal* are available on microfiche. Back issues are also available. Further details may be obtained from the address below.

● Subscription Department

Portland Customer Services
P.O. Box 32, Commerce Way
Colchester CO2 8HP, Essex, U.K.
(telephone 01206 796351; fax 01206 799331;
email sales@portland-services.com).

● **Advertising** Enquiries about advertising should be addressed to marketing@portlandpress.com.

● The paper and cover-boards used in this journal are sourced from sustainable, managed and renewed commercial forests, and are fully recyclable. The bleaching process used for the pulp is 100% ECF (elemental chlorine free).

Reviews**The cell biology of prion-like spread of protein aggregates: mechanisms and implication in neurodegeneration**

Published on the Internet 25 April 2013,
doi:10.1042/BJ20121898

M. Costanzo and C. Zurzolo

1–17

Metabolic plasticity for isoprenoid biosynthesis in bacteria

Published on the Internet 25 April 2013,
doi:10.1042/BJ20121899

J. Pérez-Gil and M. Rodríguez-Concepción

19–25

Research Papers

Insight into *S*-adenosylmethionine biosynthesis from the crystal structures of the human methionine adenosyltransferase catalytic and regulatory subunits

Published as BJ Immediate Publication 20 February 2013,
doi:10.1042/BJ20121580

N. Shafqat, J.R.C. Muniz, E.S. Pilka, E. Papagrigroriou, F. von Delft, U. Oppermann and W.W. Yue



27–36

Seipin differentially regulates lipogenesis and adipogenesis through a conserved core sequence and an evolutionarily acquired C-terminus

Published as BJ Immediate Publication 4 March 2013,
doi:10.1042/BJ20121870

W. Yang, S. Thein, X. Guo, F. Xu, B. Venkatesh, S. Sugii, G.K. Radda and W. Han



37–44

mRNA encoding WAVE–Arp2/3-associated proteins is co-localized with foci of active protein synthesis at the leading edge of MRC5 fibroblasts during cell migration

Published as BJ Immediate Publication 4 March 2013,
doi:10.1042/BJ20121803

M. Willett, M. Brocard, H.J. Pollard and S.J. Morley



45–55

Characterization of a pre-export enzyme–chaperone complex on the twin-arginine transport pathway

Published as BJ Immediate Publication 1 March 2013,
doi:10.1042/BJ20121832

J.M. Dow, F. Gabel, F. Sargent and T. Palmer



57–66

Nuclear export factor 3 is involved in regulating the expression of TGF- β 3 in an mRNA export activity-independent manner in mouse Sertoli cells

Published as BJ Immediate Publication 25 February 2013,
doi:10.1042/BJ20121006

Y. Yin, G. Wang, N. Liang, H. Zhang, Z. Liu, W. Li and F. Sun



67–78

FSL-61 is a 6-nitroquinolone fluorogenic probe for one-electron reductases in hypoxic cells

Published as BJ Immediate Publication 12 March 2013,
doi:10.1042/BJ20121695

J. Su, C.P. Guise and W.R. Wilson



79–86

Proteomic analysis and molecular modelling characterize the iron-regulatory protein haemojuvelin/repulsive guidance molecule c

Published as BJ Immediate Publication 6 March 2013,
doi:10.1042/BJ20121845

M. Nili, L. David, J. Elferich, U. Shinde and P. Rotwein



87–95

ADAM12 is expressed in the tumour vasculature and mediates ectodomain shedding of several membrane-anchored endothelial proteins






Published as BJ Immediate Publication 5 March 2013,
doi:10.1042/BJ20121558

C. Fröhlich, M. Klitgaard, J.B. Noer, A. Kotzsch, C. Nehammer, P. Kronqvist, J. Berthelsen, C. Blobel, M. Kveiborg, R. Albrechtsen and U.M. Wewer



97–109

Contents

- BAK activation is necessary and sufficient to drive ceramide synthase-dependent ceramide accumulation following inhibition of BCL2-like proteins
Published as BJ Immediate Publication 12 March 2013, doi:10.1042/BJ20130147
- EGFR tyrosine kinase regulates human small-conductance Ca^{2+} -activated K^+ (hSKCa1) channels expressed in HEK-293 cells
Published as BJ Immediate Publication 18 March 2013, doi:10.1042/BJ20121324
- Pyruvium pamoate does not activate protein kinase CK1, but promotes Akt/PKB down-regulation and GSK3 activation
Published as BJ Immediate Publication 26 February 2013, doi:10.1042/BJ20121140
- FGF-2 prevents cancer cells from ER stress-mediated apoptosis via enhancing proteasome-mediated Nck degradation
Published as BJ Immediate Publication 1 March 2013, doi:10.1042/BJ20121671
- Protein recognition of the S23906-1–DNA adduct by nuclear proteins: direct involvement of glyceraldehyde-3-phosphate dehydrogenase (GAPDH)
Published as BJ Immediate Publication 14 February 2013, doi:10.1042/BJ20120860
- Protein disulphide-isomerase interacts with soluble guanylyl cyclase via a redox-based mechanism and modulates its activity
Published as BJ Immediate Publication 11 March 2013, doi:10.1042/BJ20130298
- Correction**
- $\text{I}\kappa\text{B}$ kinase β ($\text{IKK}\beta$) does not mediate feedback inhibition of the insulin signalling cascade
- L.J. Beverly, L.A. Howell, M. Hernandez-Corbacho, L. Casson, J.E. Chipuk and L.J. Siskind
- W. Wu, H.-Y. Sun, X.-L. Deng and G.-R. Li
- A. Venerando, C. Girardi, M. Ruzzene and L.A. Pinna
- B. Li, Z. Pi, L. Liu, B. Zhang, X. Huang, P. Hu, E. Chevet, P. Yi and J. Liu
- G. Lenglet, S. Depauw, D. Mendy and M.-H. David-Cordonnier
- E.J. Heckler, P.-A. Crassous, P. Baskaran and A. Beuve
- G.I. Lancaster, B. Skiba, C. Yang, H.T. Nicholls, K.G. Langley, M.H.S. Chan, C.R. Bruce, G.W. Rewcastle, P.R. Shepherd, M. Karin and M.A. Febbraio
-  111–119
- 121–129
-  131–137
-  139–145
-  147–159
-  161–169
- 171

Editorial Board

Chair

P. R. Shepherd • Auckland

Vice Chair, The Americas

G. Salvesen • La Jolla, CA

Vice Chair, Asia-Pacific

T. Xu • Beijing

Vice Chair, Europe

D. R. Alessi • Dundee

Reviews Editor

G. Salvesen • La Jolla, CA

Deputy Chairs

J. F. Cáceres • Edinburgh**D. Carling** • London**L. J. Goodyear** • Boston, MA**D. Hoekstra** • Groningen**S. Huber** • Urbana, IL**J. E. Ladbury** • Houston, TX**M. A. Lemmon** • Philadelphia, PA**C. MacKintosh** • Dundee**M. Murphy** • Cambridge**S. Roberts** • Buffalo, NY**M. A. Schwartz** • New Haven, CT**D. Tosh** • Bath**D. M. F. van Aalten** • Dundee**B. Vanhaesebroeck** • London**H. M. Wallace** • Aberdeen**M. F. White** • St Andrews

Publisher

P. J. Starley

Executive Editor

M. R. Thorne

Head of Production

M. D. Cunningham

Production Editor

E. A. G. Elloway

Staff Editors

C. L. Curtis**J. W. Mockridge****H. F. Roberts****P. D. Taylor**

Administrative Editor, US Office

S. Schendel

Administrative Editor, China Office

L. Huo

S. M. Assmann (University Park, PA)

T. K. Attwood (Manchester)

J. M. Backer (Bronx, NY)

B. M. Baker (Notre Dame, IN)

J. E. Bear (Chapel Hill, NC)

J. L. Blank (Cambridge, MA)

M. A. Bogoyevitch (Melbourne)

L. H. Boise (Atlanta, GA)

J. Bolaños (Salamanca)

S. Brøer (Canberra)

P. S. Brookes (Rochester, NY)

N. J. Buckley (London)

D. Burger (Geneva)

R. A. Casero, Jr (Baltimore, MD)

N. J. Buckley (London)

D. Burger (Geneva)

R. A. Casero, Jr (Baltimore, MD)

Y.-G. Chen (Beijing)

L. Chernomordik (Bethesda, MD)

A. C. Clark (Raleigh, NC)

V. Darley-Usmar (Birmingham, AL)

M. J. Davies (Sydney)

B. Davis (Oxford)

L. A. Devi (New York, NY)

I. Dikic (Frankfurt)

R. Docampo (Athens, GA)

A. F. Dulhunty (Canberra)

S. Flitsch (Manchester)

F. Fougelle (Paris)

B. Halliwell (Singapore)

J. A. Hardy (Amherst, MA)

P. Hawkins (Cambridge)

J. M. Horowitz (Raleigh, NC)

E. Ikonen (Helsinki)

A. Imberty (Grenoble)

D. A. Jans (Monash)

P. A. Jeggo (Brighton)

D. Jordan (Peoria, IL)

M. G. Kazanietz (Philadelphia, PA)

Z. Knight (New York, NY)

D. Komander (Cambridge)

D. W. Laird (London, ON)

K. Lingelbach (Marburg)

M. Lowe (Manchester)

K. Lynch (Philadelphia, PA)

B. D. Manning (Boston, MA)

S. Mayor (Bangalore)

N. Q. McDonald (London)

M. McManus (Palmerston North)

G. Melino (Leicester)

E. T. Morgan (Atlanta, GA)

S. J. Morley (Brighton)

M. Muckenthaler (Heidelberg)

B. Mulloy (South Mimms)

A. W. Munro (Manchester)

G. Murphy (Cambridge)

H. Y. Naim (Hannover)

J. H. Naismith (St Andrews)

A. R. Nebreda (Barcelona)

W. Ogawa (Kobe)

M. Okada (Osaka)

G. Panayotou (Varese)

D. Pei (Columbus, OH)

P. F. Pilch (Boston, MA)

W. C. Plaxton (Kingston, ON)

S. Ponnambalam (Leeds)

R. Y. Poon (Hong Kong)

B. V. L. Potter (Bath)

C. G. Proud (Southampton)

Z. Radić (La Jolla, CA)

K. Rittinger (London)

M. F. Roberts (Boston, MA)

K. Sakamoto (Lausanne)

J. M. Sanchez-Ruiz (Granada)

F. Sargent (Dundee)

R. Sasisekharan (Cambridge, MA)

N. Savery (Bristol)

J. R. Sayers (Sheffield)

K. Schumacher (Heidelberg)

P. T. Schumacker (Chicago, IL)

F. J. Sharom (Guelph, ON)

R. J. Shaw (La Jolla, CA)

G. S. Shelness (Winston-Salem, NC)

H. Shimano (Tsukuba City)

J. Slack (Minneapolis, MN)

S. Spiegel (Richmond, VA)

W. M. Stark (Glasgow)

G. R. Steinberg (Hamilton, ON)

H. Stenmark (Oslo)

V. Tergaonkar (Singapore)

N. K. Tonks (Cold Spring Harbor, NY)

C. Tournier (Manchester)

C. Troy (New York, NY)

M. Uesugi (Kyoto)

H. D. Ulrich (South Mimms)

S. Urbé (Liverpool)

H. J. Vogel (Calgary, AB)

M.-W. Wang (Shanghai)

S. P. Watson (Birmingham)

S. Whitney (Canberra)

C. Winterbourn (Christchurch, NZ)

D. Withers (London)

D. Wu (Guangzhou)

A. Xu (Hong Kong)

H.-W. Xue (Shanghai)

I. Zachary (London)

C. Zurzolo (Paris)

PORTLAND PRESS Ltd

Third Floor, Charles Darwin House
12 Roger Street
London WC1N 2JU, U.K.



ISSN 0264-6021

Index of Authors

	PAGE		PAGE		PAGE		PAGE
Albrechtsen, R.	97	Guise, C. P.	79	Muniz, J. R. C.	27	Skiba, B.	171
Baskaran, P.	161	Guo, X.	37			Su, J.	79
Berthelsen, J.	97	Han, W.	37	Nehammer, C.	97	Sugii, S.	37
Beuve, A.	161	Heckler, E. J.	161	Nicholls, H. T.	171	Sun, F.	67
Beverly, L. J.	111	Hernandez-Corbacho, M.	111	Nili, M.	87	Sun, H.-Y.	121
Blobel, C.	97	Howell, L. A.	111	Noer, J. B.	97		
Brocard, M.	45	Hu, P.	139			Thein, S.	37
Bruce, C. R.	171	Huang, X.	139	Oppermann, U.	27		
						Venerando, A.	131
Casson, L.	111	Karin, M.	171	Palmer, T.	57	Venkatesh, B.	37
Chan, M. H. S.	171	Klitgaard, M.	97	Papagrigoriou, E.	27	von Delft, F.	27
Chevet, E.	139	Kotzsch, A.	97	Pérez-Gil, J.	19		
Chipuk, J. E.	111	Kronqvist, P.	97	Pi, Z.	139	Wang, G.	67
Costanzo, M.	1	Kveiborg, M.	97	Pilka, E. S.	27	Wewer, U. M.	97
Crassous, P.-A.	161			Pinna, L. A.	131	Willett, M.	45
				Pollard, H. J.	45	Wilson, W. R.	79
David, L.	87	Lancaster, G. I.	171			Wu, W.	121
David-Cordonnier, M.-H.	147	Langley, K. G.	171				
Deng, X.-L.	121	Lenglet, G.	147	Radda, G. K.	37	Xu, F.	37
Depauw, S.	147	Li, B.	139	Rewcastle, G. W.	171		
Dow, J. M.	57	Li, G.-R.	121	Rodríguez-Concepción, M.	19	Yang, C.	171
		Li, W.	67	Rotwein, P.	87	Yang, W.	37
Elferich, J.	87	Liang, N.	67	Ruzzene, M.	131	Yi, P.	139
		Liu, J.	139			Yin, Y.	67
Febbraio, M. A.	171	Liu, L.	139	Sargent, F.	57	Yue, W. W.	27
Fröhlich, C.	97	Liu, Z.	67	Shafqat, N.	27		
				Shepherd, P. R.	171	Zhang, B.	139
Gabel, F.	57	Mendy, D.	147	Shinde, U.	87	Zhang, H.	67
Girardi, C.	131	Morley, S. J.	45	Siskind, L. J.	111	Zurzolo, C.	1