

## Editorial Board

Chair

**P. R. Shepherd** • Auckland

Vice Chair, The Americas

**G. Salvesen** • La Jolla, CA

Reviews Editor

**A. Toker** • Boston, MA

Deputy Chairs

**D. R. Alessi** • Dundee**L. J. Goodyear** • Boston, MA**S. V. Graham** • Glasgow**S. Gutteridge** • Newark, DE**D. Hoekstra** • Groningen**N. M. Hooper** • Leeds**S. Huber** • Urbana, IL**J. P. Kehrer** • Pullman, WA**J. Ladbury** • London**M. A. Lemmon** • Philadelphia, PA**C. MacKintosh** • Dundee**K. H. Mayo** • Minneapolis, MN**M. Murphy** • Cambridge**S. Roberts** • Manchester**D. Tosh** • Bath**H. M. Wallace** • Aberdeen**M. P. Walsh** • Calgary

Publisher

**P. J. Starley**

Executive Editor

**M. R. Thorne**

Production Manager

**M. D. Cunningham**

Senior Staff Editor

**S. M. Hobday**

Staff Editors

**L. Ball****C. L. Curtis****E. A. G. Elloway****J. W. Mockridge**

Editorial Assistants

**H. F. Roberts****C. F. Skinner**

Administrative Editor, US Office

**S. Schendel**

R. A. Anderson (Madison, WI)  
 J. Arino (Barcelona)  
 A. Baici (Zurich)  
 J. L. Blank (Cambridge, MA)  
 M. Blatt (Glasgow)  
 P. G. Board (Canberra)  
 M. A. Bogoyevitch (Melbourne, VIC)  
 J. Bolaños (Salamanca)  
 P. J. Booth (Bristol)  
 L. Bosca (Madrid)  
 Y. Bourne (Marseille)  
 B. Brüne (Frankfurt)  
 N. J. Buckley (London)  
 D. Carling (London)  
 M. Cascante (Barcelona)  
 L. Chernomordik (Bethesda)  
 G. P. Côté (Kingston, Ont.)  
 V. Darley-Usoar (Birmingham, AL)  
 D. A. Day (Sydney)  
 R. Docampo (Athens, GA)  
 D. Doyle (Oxford)  
 C. S. Duckett (Ann Arbor, MI)  
 A. F. Dulhunty (Canberra)  
 B. Engelmann (Munich)  
 P. Fay (Rochester, NY)  
 R. Ferraris (Newark, NJ)  
 S. E. Finkel (Los Angeles, CA)  
 J.-M. Frère (Liège)  
 P. G. W. Gettins (Chicago, IL)  
 R. Golsteyn (Lethbridge, AB)  
 P. A. Grimaldi (Nice)  
 B. Hallberg (Umeå)  
 B. Halliwell (Singapore)

P. I. Haris (Leicester)  
 L. Hedstrom (Waltham, MA)  
 F. G. Hegardt (Barcelona)  
 I. B. Holland (Orsay)  
 J. M. Horowitz (Raleigh, NC)  
 J. Hsuan (London)  
 D. A. Jans (Monash)  
 D. Jordan (Peoria, IL)  
 B. Kalyanaraman (Milwaukee, WI)  
 M. G. Kazanietz (Philadelphia, PA)  
 G. F. King (St. Lucia, Qld.)  
 D. W. Laird (London, Ont.)  
 J. H. Lakey (Newcastle upon Tyne)  
 R. Leduc (Sherbrooke)  
 D. W. Litchfield (London, Ont.)  
 L. Machesky (Glasgow)  
 E. Manser (Singapore)  
 P. Maurel (Montpellier)  
 M. McManus (Palmerston North)  
 M. Meisterernst (Munich)  
 J. Miernyk (Columbia, MO)  
 I. Morgan (Glasgow)  
 A. J. Morris (Lexington, KY)  
 B. Mulloy (South Mimms)  
 A. W. Munro (Manchester)  
 G. Murphy (Cambridge)  
 H. Y. Naim (Hannover)  
 L. M. Obeid (Charleston)  
 G. Panayotou (Vari)  
 M. Parenti (Monza)  
 M. A. J. Parry (Harpden)  
 S. Patel (London)  
 M. Paulsson (Cologne)

G. Pavitt (Manchester)  
 L. Persson (Lund)  
 A. D. Postle (Southampton)  
 D. R. Richardson (Sydney)  
 K. Rittinger (London)  
 N. Savery (Bristol)  
 J. R. Sayers (Sheffield)  
 M. A. Schwartz (Charlottesville, VA)  
 M. C. Seabra (London)  
 S. C. Sealfon (New York, NY)  
 G. L. Semenza (Baltimore)  
 G. S. Shelness (Winston-Salem, NC)  
 B. F. Sloane (Detroit, MI)  
 E. Smythe (Sheffield)  
 S. Spiegel (Richmond, VA)  
 S. Stack (Columbia, MO)  
 H. Stenmark (Oslo)  
 C. W. Taylor (Cambridge)  
 N. K. Tonks (Cold Spring Harbor, NY)  
 M. Torti (Pavia)  
 C. Tournier (Manchester)  
 C. Troy (New York, NY)  
 H. D. Ulrich (South Mimms)  
 D. M. F. van Aalten (Dundee)  
 M. van der Woude (York)  
 B. Vanhaesebroeck (London)  
 S. G. Ward (Bath)  
 M. Welham (Bath)  
 S. Whitney (Canberra)  
 C. Winterbourn (Christchurch, NZ)  
 J. York (Durham, NC)  
 I. Zachary (London)  
 C. Zurzolo (Paris)



- The Biochemical Society, London © 2008
- The *Biochemical Journal* (ISSN 0264-6021 for print/online journal; ISSN 1470-8728 for online only journal) is published and distributed by Portland Press Ltd on behalf of the Biochemical Society (the owner), and appears twice monthly (24 issues).
- **Editorial and publishing offices:** *Biochemical Journal*, Portland Press Ltd, Third Floor, Eagle House, 16 Procter Street, London WC1V 6NX, U.K.
- **US agent:** c/o Mercury International, 365 Blair Road, Avenel, NJ 07001, 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 0264-6021/2008/\$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 Rahway, NJ, U.S.A.
- **Postmaster:** send address corrections to *Biochemical Journal*, c/o Mercury International, 365 Blair Road, Avenel, NJ 07001, U.S.A.
- **Cover design:** Angie Moyes ([www.fuz.co.uk](http://www.fuz.co.uk)).
- **Cover image credits:** Microbiology at Leeds, University of Leeds; M. Duchen and V. Mohamed-Ali, University College, London; Nottingham *Arabidopsis* Stock Centre (NASC); G. P. Côté, Kingston, Ont.; G. Salvesen, La Jolla; Dr Gordon Beahes, University of Newcastle upon Tyne.

## Instructions to Authors

● **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 biochemical knowledge. 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 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 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

### 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 2008 volumes 409–416 (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 2008 are shown below. Subscribers to the *Biochemical Journal* can subscribe additionally to *Biochemical Society Transactions* and *BioTechnology and Applied Biochemistry* on a joint subscription at a reduced rate (see [www.portlandpress.com](http://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

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. Papers reporting nucleotide sequences only are not acceptable as APs. 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.

● **Queries and correspondence** Authors in the Americas should address all queries and correspondence about their submission to: Dr Sharon Schendel, BJ USA, The Burnham Institute, 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](mailto:editorial@biochemjusa.org)). Authors in the U.K., the rest of Europe, Japan and the rest of the world should contact: The Publisher, *Biochemical Journal*, Portland Press Ltd, Third Floor, Eagle House, 16 Procter Street, London WC1V 6NX, U.K. (telephone +44 20 7280 4110; fax +44 20 7280 4169; email [editorial@portlandpress.com](mailto:editorial@portlandpress.com)).

● **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>.

● **Colour figures** Colour figures are published free of charge provided that the corresponding author on the published paper has been a 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.

be sent to the address shown, to your usual agent or purchased online at [www.portlandpress.com](http://www.portlandpress.com).

	N. Print only	Rest of world	Euro price
One year (8 vols) Print and online	US\$3586	£1814	€3087
Online only	US\$3228	£1633	€2778
Single issues (print only)	US\$180.50	£91	€155

Overseas rates include airfreight delivery. Airspeeded delivery is available at an additional cost of £73/€124.

Value Added Tax (VAT) on online-only and 'combined' subscriptions at 17.5% 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 102–336 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](mailto:sales@portland-services.com)).

● **Advertising** Enquiries about advertising should be addressed to: Mark Burgess, Editorial Department, Portland Press Ltd, Third Floor, Eagle House, 16 Procter Street, London WC1V 6NX, U.K., tel.: +44 (0)20 7280 4110; fax: +44 (0)20 7280 4169; email: [editorial@portlandpress.com](mailto:editorial@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).

**Review****The Hsp90 molecular chaperone: an open and shut case for treatment**

Published on the Internet 27 February 2008,  
doi:10.1042/BJ20071640

L.H. Pearl, C. Prodromou and P. Workman

439–453

**Online Commentary**

## Calcium-dependent Pyk2 activation: a role for calmodulin?

Published on the Internet 27 February 2008,  
doi:10.1042/BJ20080133  
(see accompanying paper, pp. 513–523)

M.D. Schaller

e3–e4

**Research Papers**The role of OXA-1  $\beta$ -lactamase Asp<sup>66</sup> in the stabilization of the active-site carbamate group and in substrate turnover

Published as BJ Immediate Publication 21 November 2007,  
doi:10.1042/BJ20070573

D.A. Leonard, A.M. Hujer, B.A. Smith, K.D. Schneider,  
C.R. Bethel, K.M. Hujer and R.A. Bonomo

455–462

## Acyl-CoA-binding protein (ACBP) localizes to the endoplasmic reticulum and Golgi in a ligand-dependent manner in mammalian cells

Published as BJ Immediate Publication 22 October 2007,  
doi:10.1042/BJ20070559

J.S. Hansen, N.J. Færgeman, B.B. Kragelund  
and J. Knudsen

463–472

Deprivation of protein or amino acid induces C/EBP $\beta$  synthesis and binding to amino acid response elements, but its action is not an absolute requirement for enhanced transcription

Published as BJ Immediate Publication 6 December 2007,  
doi:10.1042/BJ20071252

M.M. Thiaville, E.E. Dudenhausen, C. Zhong, Y.-X. Pan  
and M.S. Kilberg

473–484

A decrease in cellular energy status stimulates PERK-dependent eIF2 $\alpha$  phosphorylation and regulates protein synthesis in pancreatic  $\beta$ -cells

Published as BJ Immediate Publication 3 December 2007,  
doi:10.1042/BJ20071367

E. Gomez, M.L. Powell, A. Bevington and T.P. Herbert

485–493

## Permissive transmembrane helix heterodimerization is required for the expression of a functional integrin

Published as BJ Immediate Publication 21 November 2007,  
doi:10.1042/BJ20071218

A. Vararattanavech, M.-L. Tang, H.-Y. Li, C.-H. Wong,  
S.K.A. Law, J. Torres and S.-M. Tan

495–502

## Mammalian Notum induces the release of glycans and other GPI-anchored proteins from the cell surface

Published as BJ Immediate Publication 30 October 2007,  
doi:10.1042/BJ20070511

A. Traister, W. Shi and J. Filmus

503–511

Protein-tyrosine kinase CAK $\beta$ /PYK2 is activated by binding Ca<sup>2+</sup>/calmodulin to FERM F2  $\alpha$ 2 helix and thus forming its dimer

Published as BJ Immediate Publication 21 November 2007,  
doi:10.1042/BJ20070665

T. Kohno, E. Matsuda, H. Sasaki and T. Sasaki

513–523



## Unsaturated lipid peroxidation-derived aldehydes activate autophagy in vascular smooth-muscle cells

Published as BJ Immediate Publication 3 December 2007,  
doi:10.1042/BJ20071063

B.G. Hill, P. Haberzettl, Y. Ahmed, S. Srivastava  
and A. Bhatnagar

525–534



---

Negative regulation of cell-cycle progression by RINGO/Speedy E <i>Published as BJ Immediate Publication 12 December 2007, doi:10.1042/BJ20071453</i>	A. Dinarina, E.J. Ruiz, A. O'Loughlen, S. Mouron, L. Perez and A.R. Nebreda	<b>535–542</b>
Role of histidine residues in EcoP15I DNA methyltransferase activity as probed by chemical modification and site-directed mutagenesis <i>Published as BJ Immediate Publication 9 November 2007, doi:10.1042/BJ20070900</i>	P.S. Jois, N. Madhu and D.N. Rao	<b>543–553</b>
Enhanced cell-surface stability of rescued ΔF508 cystic fibrosis transmembrane conductance regulator (CFTR) by pharmacological chaperones <i>Published as BJ Immediate Publication 4 December 2007, doi:10.1042/BJ20071420</i>	K. Varga, R.F. Goldstein, A. Jurkuvanaite, L. Chen, S. Matalon, E.J. Sorscher, Z. Bebok and J.F. Collawn	<b>555–564</b>
Oxidation of myosin by haem proteins generates myosin radicals and protein cross-links <i>Published as BJ Immediate Publication 26 November 2007, doi:10.1042/BJ20071107</i>	M.N. Lund, C. Luxford, L.H. Skibsted and M.J. Davies	<b>565–574</b>
Post-transcriptional regulation of CLMP mRNA is controlled by tristetraprolin in response to TNF $\alpha$ via c-Jun N-terminal kinase signalling <i>Published as BJ Immediate Publication 30 November 2007, doi:10.1042/BJ20070901</i>	K.-L. Sze, W.-Y. Lui and W.M. Lee	<b>575–583</b>
EGF and amphiregulin differentially regulate Cbl recruitment to endosomes and EGF receptor fate <i>Published as BJ Immediate Publication 28 November 2007, doi:10.1042/BJ20071505</i>	K.A. Stern, T.L. Place and N.L. Lill	<b>585–594</b>
Contribution of leptin receptor N-linked glycans to leptin binding <i>Published as BJ Immediate Publication 6 November 2007, doi:10.1042/BJ20071137</i>	Y. Kamikubo, C. Dellas, D.J. Loskutoff, J.P. Quigley and Z.M. Ruggeri	<b>595–604</b>
Matrix metalloproteinase-3 induction in rat brain astrocytes: focus on the role of two AP-1 elements <i>Published as BJ Immediate Publication 11 December 2007, doi:10.1042/BJ20071207</i>	K.S. Kim, H.Y. Kim, E.-h. Joe and I. Jou	<b>605–611</b>
ODCp, a brain- and testis-specific ornithine decarboxylase parologue, functions as an antizyme inhibitor, although less efficiently than Azl1 <i>Published as BJ Immediate Publication 30 November 2007, doi:10.1042/BJ20071423</i>	Z. Snapir, A. Keren-Paz, Z. Bercovich and C. Kahana	<b>613–619</b>
Molecular identification of three <i>Arabidopsis thaliana</i> mitochondrial dicarboxylate carrier isoforms: organ distribution, bacterial expression, reconstitution into liposomes and functional characterization <i>Published as BJ Immediate Publication 26 November 2007, doi:10.1042/BJ20070867</i>	L. Palmieri, N. Picault, R. Arrigoni, E. Besin, F. Palmieri and M. Hodges	<b>621–629</b>

## Corrections

ATPase activity associated with the magnesium chelatase H-subunit of the chlorophyll biosynthetic pathway is an artefact <i>Volume 400 (2006), pp. 477–484</i>	N. Sirijovski, U. Olsson, J. Lundqvist, S. Al-Karadaghi, R.D. Willows and M. Hansson	<b>631</b>
Diacylglycerol kinases: at the hub of cell signalling <i>Volume 409 (2008), pp. 1–18</i>	I. Mérida, A. Ávila-Flores and E. Merino	<b>631</b>
The role of loop and $\beta$ -turn residues as structural and functional determinants for the lipoyl domain from the <i>Escherichia coli</i> 2-oxoglutarate dehydrogenase complex <i>Volume 409 (2008), pp. 357–366</i>	D.D. Jones and R.N. Perham	<b>631</b>

# Index of Authors

## Volume 410, 2008

PAGE	PAGE	PAGE	PAGE
Ahmed, Y.	525	Goldmann, T.	113
Ahmed, Z.	205	Gomez, E.	485
Ahuja, R.	301	Grötzingier, J.	113
Al-Karadaghi, S.	631	Groux-Degroote, S.	213
Albi, E.	381	Gutsmann, T.	113
Alderwick, L. J.	309	Haavik, J.	195
Alvarez, M. N.	359	Haberzettl, P.	525
Andrä, J.	113	Hagan, R. M.	123
Aoki, T.	93	Hajduch, E.	369
Arrigoni, R.	621	Han, X.	81
Assolian, R. K.	167	Hansen, J. S.	463
Avila-Flores, A.	631	Hansson, G. C.	283
Backer, J. M.	1	Hansson, M.	631
Bandyopadhyay, S.	177	Hecht, O.	113
Banerjee, A.	391	Heilmann, I.	347
Barak, Y.	331	Heinemann, I. U.	291
Barbier, O.	245	Herbert, T. P.	485
Barzilay, E.	409	Hessels, G. I.	339
Bauer, J. A.	301	Hill, B. G.	525
Bayer, E. A.	331	Hirschberg, K.	409
Beaufort, N.	157	Hodges, M.	621
Bebok, Z.	555	Hodgkinson, C. P.	255
Bélanger, A.	245	Hofinger, A.	187
Bélanger, J.	245	Hold, G. L.	225
Bercovich, Z.	613	Hong, J. S.	49
Besin, E.	621	Hong, W.	63
Besra, G. S.	309	Hoyt, M. A.	401
Bethel, C. R.	455	Hu, M.	63
Bevington, A.	485	Hujer, A. M.	455
Bhatnagar, A.	525	Hujer, K. M.	455
Bijlmakers, M.-J.	101	Hundal, H. S.	369
Bodewits, K.	339	Hussainzada, N.	391
Bolstad, J.	261	Iturriaga, G.	e1
Bonomo, R. A.	455	Jacinto, E.	19
Bouchaert, E.	245	Jahn, D.	291
Bourgois, T. M.	71	Jahn, M.	291
Brown, D. R.	237	Jakovkin, I.	113
Cai, S.	261	Jiang, X.	81
Caron, P.	245	Jiao, W.	63
Cazet, A.	213	Joe, E.-h.	605
Chang, Z.	63	Jois, P. S.	543
Chen, H.	401	Jones, D. D.	631
Chen, L.	555	Jones, P. P.	261
Chen, S. R. W.	261	Jou, I.	605
Cheng, H.	81	Jurkuvenaitė, A.	555
Cheng, Q.	291	Kaeding, J.	245
Chouinard, S.	245	Kahana, C.	613
Coffino, P.	401	Kalra, S.	301
Collawn, J. F.	555	Kamikubo, Y.	595
Cordat, E.	271	Karpol, A.	331
Courtin, C. M.	71	Kazanietz, M. G.	167
Cozzzone, A. J.	309	Kellermann, J.	157
Cuttle, M.	255	Kelly, J. M.	359
D'Santos, C. S.	195	Keren-Paz, A.	613
Davies, M. J.	565	Khandelwal, A.	391
Davies, P.	237	Kilberg, M. S.	473
de Jonge, H.	283	Kim, G. S.	319
Dean, R. T.	131	Kim, H. Y.	605
Delannoy, P.	213	Kim, K. S.	605
Delcour, J. A.	71	Kim, S.-W.	49
Dellas, C.	595	Kiselyov, K.	417
Dijkhuizen, L.	339	Kittanakom, S.	271
Dimopoulos, N.	369	Klein, E. A.	167
Dinarina, A.	535	Kleppe, R.	195
Dubin, G.	157	Knappskog, P. M.	195
Dudenhausen, E. E.	473	Knol, J.	339
Dugail, I.	369	Knudsen, J.	463
Dunlop, R. A.	131	Kohno, T.	513
Eick, S.	157	Kojima, M.	93
El-Omar, E. M.	225	Koo, J. S.	49
Feussner, I.	347	Kosma, P.	187
Filmus, J.	503	Kovacs, E.	427
Fung, M. C.	141	Kragelund, B. B.	463
Fütterer, K.	309	Krasnoscembeskaya, A. D.	113
Færgeman, N. J.	463	Kremer, L.	309
Gao, Y.	101	Krzewinski-Recchi, M.-A.	213
Giannini, A. L.	101	Ladbury, J. E.	205
Göbel, C.	347	Lafitte, J.-J.	213
Goldstein, R. F.	555	Lamed, R.	331
Lang, I.	113	Larouche, O.	113
Law, S. K. A.	213	Lazzarini, R.	113
Le Lay, S.	113	Le Liepvre, X.	195
Le, A.-H. P.	195	Lehoux, S.	525
Lee, J. W.	525	Lee, W. M.	123
Lee, Y. C.	369	Leonard, D. A.	631
Lipina, C.	485	Lilomi, K.	347
Liu, Z.	339	Liliom, K.	291
Lorberg, A.	525	Lui, W.-Y.	291
Loskutoff, D. J.	409	Lund, M. N.	255
Lundqvist, J.	187	Lundqvis, H.	113
Lung, H. L.	225	Luxford, C.	621
Ma, J.	401	Magnolia, S.	113
Magdolen, V.	455	Matalon, S.	369
Malmberg, E. K.	455	Matsuda, E.	391
Meroni, E.	455	McKinney, J. A.	401
Messner, P.	455	Meng, W.	401
Molle, V.	81	Meng, X.	195
Mouron, S.	81	Mérida, I.	195
Nahari, T.	605	Merino, E.	291
Nebreda, A. R.	543	Messner, P.	291
Neumann, D.	631	Nicholson, A. W.	391
Nicholson, A. W.	261	O'Loghlen, A.	555
Oberdick, R.	261	Oberdick, R.	417
Olsson, U.	261	O'Doherty, T.	631
Palmieri, F.	301	O'Doherty, T.	631
Palmieri, L.	301	O'Doherty, T.	631
Pan, Y.-X.	301	O'Doherty, T.	631
Panda, D.	301	O'Doherty, T.	631
Park, O. G.	301	O'Doherty, T.	631
Pearl, L. H.	301	O'Doherty, T.	631
Pelaseyed, T.	301	O'Doherty, T.	631
Pelletier, G.	301	O'Doherty, T.	631
Peluffo, G.	301	O'Doherty, T.	631
Perez, L.	301	O'Doherty, T.	631
Perham, R. N.	301	O'Doherty, T.	631
Petersson, Å. C.	301	O'Doherty, T.	631
Pföstl, A.	301	O'Doherty, T.	631
Piacenza, L.	301	O'Doherty, T.	631
Picault, N.	301	O'Doherty, T.	631
Place, T. L.	301	O'Doherty, T.	631
Porzel, A.	301	O'Doherty, T.	631
Potempa, J.	301	O'Doherty, T.	631
Powell, M. L.	301	O'Doherty, T.	631
Prodromou, C.	301	O'Doherty, T.	631
Puettlano, R.	301	O'Doherty, T.	631
Reynolds, R. C.	301	Rabijns, A.	71
Radi, R.	301	Rai, D.	141
Rao, D. N.	301	Rao, D. N.	141
Reithmeier, R. A. F.	301	Reithmeier, R. A. F.	213
Riordan, J. R.	301	Riordan, J. R.	213
Rodgers, K. J.	301	Rodgers, K. J.	213
Rombouts, S.	301	Rombouts, S.	213
Roy, N.	347	Saha, K.	291
Ruggeri, Z. M.	245	Sale, G. J.	255
Ruiz, E. J.	495	Sasaki, H.	513
Schaller, M. D.	381	Sasaki, T.	513
Schmitt, M.	381	Schneider, K. D.	455
Schöffer, C.	381	Schöffer, C.	187
Schüller, A. C.	381	Schüller, A. C.	205
Seetharam, B.	381	Seetharam, B.	301
Seetharam, S.	381	Seetharam, S.	301
Seidler, U. E.	381	Seidler, U. E.	283
Sengupta, T. K.	381	Sengupta, T. K.	177
Shi, W.	369	Shi, W.	503
Shoham, Y.	369	Shoham, Y.	331
Singh, J. K.	369	Singh, J. K.	147
Sirjovski, N.	369	Sirjovski, N.	631
Skibsted, L. H.	369	Skibsted, L. H.	565
Smith, A. G.	369	Smith, A. G.	291
Smith, B. A.	369	Smith, B. A.	455
Smithers, N. P.	369	Smithers, N. P.	255
Snapiro, Z.	369	Snapiro, Z.	613
Sorscher, E. J.	369	Sorscher, E. J.	555
Sommerhoff, C. P.	369	Sommerhoff, C. P.	157
Son, Y. L.	369	Son, Y. L.	319
Spicer, E. K.	369	Spicer, E. K.	177
Srivastava, S.	369	Srivastava, S.	525
Staels, B.	369	Staels, B.	245
Stern, K. A.	369	Stern, K. A.	585
Strelkov, S. V.	369	Strelkov, S. V.	71
Tagaya, M.	369	Tagaya, M.	93
Takeuchi, J.	369	Takeuchi, J.	401
Tan, F.-C.	369	Tan, F.-C.	291
Tan, S.-M.	369	Tan, S.-M.	495
Tang, H. L.	369	Tang, H. L.	141
Tang, H. M.	369	Tang, H. M.	141
Tang, M.-L.	369	Tang, M.-L.	495
Tani, K.	369	Tani, K.	93
Thiaville, M. M.	369	Thiaville, M. M.	473
Torres, J.	369	Torres, J.	495
Traister, A.	369	Traister, A.	503
Turban, S.	369	Turban, S.	369
Van Campenhout, S.	369	Van Campenhout, S.	71
van der Geize, R.	369	van der Geize, R.	339
Van Seuningen, I.	369	Van Seuningen, I.	213
Vanderlinde, E.	369	Vanderlinde, E.	71
Vararattanavech, A.	369	Vararattanavech, A.	495
Varga, K.	369	Varga, K.	555
Vergara-Jauregui, S.	369	Vergara-Jauregui, S.	417
Verreault, M.	369	Verreault, M.	245
Vincent, A.	369	Vincent, A.	213
Viola Magni, M.	369	Viola Magni, M.	381
Volckaert, G.	369	Volckaert, G.	71
Wagenknecht, T.	369	Wagenknecht, T.	261
Wilkinson, S. R.	369	Wilkinson, S. R.	359
Willows, R. D.	369	Willows, R. D.	631
Wilton, D. C.	369	Wilton, D. C.	123
Winge, I.	369	Winge, I.	195
Wojciechowski, P.	369	Wojciechowski, P.	157
Wong, C.-H.	369	Wong, C.-H.	495
Workman, P.	369	Workman, P.	439
Worner-Gibbs, J.	369	Worner-Gibbs, J.	123
Wu, K. C.	369	Wu, K. C.	141

## Index of Authors

	PAGE		PAGE		PAGE		PAGE
Ahmed, Y.	525	Herbert, T. P.	485	Lundqvist, J.	631	Ruiz, E. J.	535
Al-Karadaghi, S.	631	Hill, B. G.	525	Luxford, C.	565	Sasaki, H.	513
Arrigoni, R.	621	Hodges, M.	621			Sasaki, T.	513
Ávila-Flores, A.	631	Hujer, A. M.	455	Madhu, N.	543	Schaller, M. D.	e3
		Hujer, K. M.	455	Matalon, S.	555	Schneider, K. D.	455
Bebok, Z.	555			Matsuda, E.	513	Shi, W.	503
Bercovich, Z.	613	Joe, E.-h.	605	Mérida, I.	631	Sirijovski, N.	631
Besin, E.	621	Jois, P. S.	543	Merino, E.	631	Skibsted, L. H.	565
Bethel, C. R.	455	Jones, D. D.	631	Mouron, S.	535	Smith, B. A.	455
Bevington, A.	485	Jou, I.	605			Snapir, Z.	613
Bhatnagar, A.	525	Jurkuvenaite, A.	555	Nebreda, A. R.	535	Sorscher, E. J.	555
Bonomo, R. A.	455			Kahana, C.	613	Srivastava, S.	525
Chen, L.	555	Kamikubo, Y.	595	Olsson, U.	631	Stern, K. A.	585
Collawn, J. F.	555	Keren-Paz, A.	613			Sze, K.-L.	575
		Kilberg, M. S.	473	Palmieri, F.	621	Tan, S.-M.	495
Davies, M. J.	565	Kim, H. Y.	605	Palmieri, L.	621	Tang, M.-L.	495
Dellas, C.	595	Kim, K. S.	605	Pan, Y.-X.	473	Thiaville, M. M.	473
Dinarina, A.	535	Knudsen, J.	463	Pearl, L. H.	439	Torres, J.	495
Dudenhausen, E. E.	473	Kohno, T.	513	Perez, L.	535	Traister, A.	503
Færgeman, N. J.	463	Kragelund, B. B.	463	Perham, R. N.	631		
Filmus, J.	503	Law, S. K. A.	495	Picault, N.	621		
		Lee, W. M.	575	Place, T. L.	585	Vararattanavech, A.	495
Goldstein, R. F.	555	Leonard, D. A.	455	Powell, M. L.	485	Varga, K.	555
Gomez, E.	485	Li, H.-Y.	495	Prodromou, C.	439		
		Lill, N. L.	585	Quigley, J. P.	595	Willows, R. D.	631
Haberzettl, P.	525	Loskutoff, D. J.	595			Wong, C.-H.	495
Hansen, J. S.	463	Lui, W.-Y.	575	Rao, D. N.	543	Workman, P.	439
Hansson, M.	631	Lund, M. N.	565	Ruggeri, Z. M.	595	Zhong, C.	473