

Biochemical Journal

The Biochemical Society, London © 2006

Volume 397, part 3

1 August 2006

<http://www.BiochemJ.org>

Editorial Board

Chair

G. Banting • Bristol

Vice Chair, The Americas

G. Salvesen • La Jolla

Reviews Editor

A. Toker • Boston

Deputy Chairs

D. R. Alessi • Dundee

S. V. Graham • Glasgow

S. Gutteridge • Newark, DE

D. Hoekstra • Groningen

N. M. Hooper • Leeds

J. P. Kehrer • Pullman, WA

C. MacKintosh • Dundee

K. H. Mayo • Minneapolis

P. R. Shepherd • Auckland

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

E. A. G. Elloway

J. W. Mockridge

Administrative Editor, US Office

S. Schendel

J. Arino (Barcelona)

A. Baici (Zurich)

J. L. Blank (Cambridge, MA)

M. Blatt (Glasgow)

P. G. Board (Canberra)

P. J. Booth (Bristol)

A. Boraston (Victoria, BC)

L. Bosca (Madrid)

Y. Bourne (Marseille)

B. Brüne (Frankfurt)

N. J. Buckley (Leeds)

D. Carling (London)

I. Collinson (Bristol)

G. P. Côté (Kingston, Ont.)

J. R. Couchman (London)

V. Darley-Usmar (Birmingham, AL)

D. M. Davis (London)

D. A. Day (Sydney)

R. Docampo (Athens, GA)

D. Doyle (Oxford)

C. S. Duckett (Ann Arbor)

B. Engelmann (Munich)

R. M. Epand (Hamilton, Ont.)

P. Fay (Rochester, NY)

D. A. Fell (Oxford)

R. Ferraris (Newark, NJ)

B. Foxwell (London)

J.-M. Frère (Liège)

A. Galione (Oxford)

P. G. W. Gettins (Chicago)

D. A. F. Gillespie (Glasgow)

R. Golsteyn (Croissy-sur-Seine)

S. Goodbourn (London)

P. A. Grimaldi (Nice)

B. Hallberg (Umeå)

B. Halliwell (Singapore)

P. I. Haris (Leicester)

L. Hedstrom (Waltham, MA)

F. G. Hegardt (Barcelona)

S. High (Manchester)

I. B. Holland (Orsay)

J. Hsuan (London)

S. Huber (Urbana, IL)

R. Kalluri (Boston)

B. Kalyanaraman (Milwaukee)

M. G. Kazanietz (Philadelphia)

G. F. King (Farmington, CT)

I. M. Kovach (Washington D.C.)

J. E. Ladbury (London)

J. H. Lakey (Newcastle upon Tyne)

R. Leduc (Sherbrooke)

M. A. Lemmon (Philadelphia, PA)

E. R. Levin (Long Beach, CA)

D. W. Litchfield (London, ON)

L. Machesky (Birmingham)

E. Manser (Singapore)

P. Maurel (Montpellier)

R. J. Mayer (Nottingham)

M. Meisterernst (Munich)

H. Mellor (Bristol)

J. Miernyk (Columbia, MO)

I. Morgan (Glasgow)

A. J. Morris (Lexington, KY)

B. Mulloy (South Mimms)

A. W. Munro (Manchester)

M. P. Murphy (Cambridge)

H. Y. Naim (Hannover)

M. E. Noble (Oxford)

L. M. Obeid (Charleston)

G. Panayotou (Varese)

M. Parenti (Monza)

M. A. J. Parry (Harpending)

S. Patel (London)

G. Pavitt (Manchester)

M. Paulsson (Cologne)

L. Persson (Lund)

A. D. Postle (Southampton)

D. R. Richardson (Sydney)

S. Roberts (Manchester)

J. Sandy (Tampa)

N. Savery (Bristol)

J. R. Sayers (Sheffield)

M. C. Seabra (London)

S. C. Sealfon (New York)

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

A. Sim (Callaghan, NSW)

B. F. Sloane (Detroit)

E. Smythe (Sheffield)

S. Stack (Chicago)

C. W. Taylor (Cambridge)

M. Thumm (Goettingen)

M. Torti (Pavia)

D. Tosh (Bath)

C. Troy (New York)

D. M. F. van Aalten (Dundee)

M. van der Woude (York)

B. Vanhaesebroeck (London)

S. G. Ward (Bath)

M. Welham (Bath)

J. York (Durham, NC)

C. Zurzolo (Paris)



- 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.
- **Editorial and publishing offices:** *Biochemical Journal*, Portland Press Ltd, Third Floor, Eagle House, 16 Procter Street, London WC1V 6NX, U.K.
- **Biochemical Journal**, c/o Mercury Airfreight International Ltd, 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 0264-6021/2005/\$40.00 + 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 Airfreight International Ltd, 365 Blair Road, Avenel, NJ 07001, U.S.A.
- **Cover illustration:** Assembly of connexin hemichannels into gap junctions and their hydrolysis in lysosomes. For further details, see Evans et al. (2006) *Biochem. J.* **397**, 1–14.

● **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 refereed 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. Papers reporting nucleotide sequences only are not acceptable as APs. One colour figure will be published free of charge in APs; subsequent figures will cost £300 each.

● **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 +1 858 713 6283; fax +1 858 713 6284; email 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).

● **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** The first colour figure is published at no charge provided that one author 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 (a saving of £550). Subsequent colour figures in the same paper cost £300 each.

● **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 and PDB for structures. There is no extra charge associated with the publication of a multimedia adjunct online.

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 2006 volumes 393–400 (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 2006 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. 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, or through your usual agent.

	N. America	Rest of world	Euro price
One year (8 vols)	US\$3084	£1630	€2774
Print and online	US\$3084	£1630	€2774
Online only	US\$2600	£1378	€2340
Single issues (print only)	US\$152	£80	€136

Overseas rates include airfreight delivery. Priority delivery is available at an additional cost of £64.90/€110.

VAT is due on some 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).

● **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

● 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**Anticoagulant proteins from snake venoms: structure, function and mechanism**

*Published on the Internet 13 July 2006,
doi:10.1042/BJ20060302*

R.M. Kini**377–387****Research Papers**

Identification of a PDZ protein, PIST, as a binding partner for Rho effector Rhotekin: biochemical and cell-biological characterization of Rhotekin–PIST interaction

*Published as BJ Immediate Publication 28 April 2006,
doi:10.1042/BJ20052015*

H. Ito, I. Iwamoto, R. Morishita, Y. Nozawa, T. Asano and K.-i. Nagata

389–398

Structural features of mouse telomerase RNA are responsible for the lower activity of mouse telomerase versus human telomerase

*Published as BJ Immediate Publication 2 May 2006,
doi:10.1042/BJ20060456*

S.J. Garforth, Y.Y. Wu and V.R. Prasad

**399–406**

Biochemical characterization of detergent-resistant membranes: a systematic approach

*Published as BJ Immediate Publication 12 April 2006,
doi:10.1042/BJ20060056*

E.B. Babiychuk and A. Draeger

407–416

Role of pyruvate dehydrogenase kinase isoenzyme 4 (PDHK4) in glucose homeostasis during starvation

*Published as BJ Immediate Publication 11 April 2006,
doi:10.1042/BJ20060125*

N.H. Jeoung, P. Wu, M.A. Joshi, J. Jaskiewicz, C. B. Bock, A.A. DePaoli-Roach and R.A. Harris

417–425

Early alterations in myocardia and vessels of the diabetic rat heart: an FTIR microspectroscopic study

*Published as BJ Immediate Publication 12 April 2006,
doi:10.1042/BJ20060171*

N. Toyran, P. Lasch, D. Naumann, B. Turan and F. Severcan

427–436

Integrin β 3-mediated Src activation regulates apoptosis in IEC-6 cells via Akt and STAT3

*Published as BJ Immediate Publication 2 May 2006,
doi:10.1042/BJ20060256*

S. Bhattacharya, R.M. Ray and L.R. Johnson

**437–447**

NF- κ B and Sp1/Sp3 are involved in the transcriptional regulation of the peptidylarginine deiminase type III gene (*PADI3*) in human keratinocytes

*Published as BJ Immediate Publication 4 May 2006,
doi:10.1042/BJ20051939*

S. Dong, T. Kanno, A. Yamaki, T. Kojima, M. Shiraiwa, A. Kawada, M.-C. Méchin, S. Chavanas, G. Serre, M. Simon and H. Takahara

449–459

Extracellular export of sphingosine kinase-1a contributes to the vascular S1P gradient

*Published as BJ Immediate Publication 20 April 2006,
doi:10.1042/BJ20060251*

K. Venkataraman, S. Thangada, J. Michaud, M.L. Oo, Y. Ai, Y.-M. Lee, M. Wu, N.S. Parikh, F. Khan, R.L. Proia and T. Hla

**461–471**

Evolution of two alanine glyoxylate aminotransferases in mosquito

*Published as BJ Immediate Publication 9 May 2006,
doi:10.1042/BJ20060469*

Q. Han, S.R. Kim, H. Ding and J. Li




473–481

Binding of amyloid β -peptide to ganglioside micelles is dependent on histidine-13

*Published as BJ Immediate Publication 21 April 2006,
doi:10.1042/BJ20060293*

M.P. Williamson, Y. Suzuki, N.T. Bourne and T. Asakura

483–490

Structure–function relationships for <i>Schizophyllum commune</i> trehalose phosphorylase and their implications for the catalytic mechanism of family GT-4 glycosyltransferases <i>Published as BJ Immediate Publication 27 April 2006,</i> <i>doi:10.1042/BJ20060029</i>	C. Goedel, R. Griessler, A. Schwarz and B. Nidetzky		491–500
Anomalous scattering analysis of <i>Agrobacterium radiobacter</i> phosphotriesterase: the prominent role of iron in the heterobinuclear active site <i>Published as BJ Immediate Publication 11 May 2006,</i> <i>doi:10.1042/BJ20060276</i>	C.J. Jackson, P.D. Carr, H.-K. Kim, J.-W. Liu, P. Herrald, N. Mitić, G. Schenk, C.A. Smith and D.L. Ollis		501–508
Disruption of inositol biosynthesis through targeted mutagenesis in <i>Dictyostelium discoideum</i> : generation and characterization of inositol-auxotrophic mutants <i>Published as BJ Immediate Publication 7 April 2006,</i> <i>doi:10.1042/BJ20060277</i>	A. Fischbach, S. Adelt, A. Müller and G. Vogel		509–518
Resveratrol inhibits insulin responses in a SirT1-independent pathway <i>Published as BJ Immediate Publication 21 April 2006,</i> <i>doi:10.1042/BJ20050977</i>	J. Zhang		519–527
Identification of a nuclear-localized nuclease from wheat cells undergoing programmed cell death that is able to trigger DNA fragmentation and apoptotic morphology on nuclei from human cells <i>Published as BJ Immediate Publication 13 April 2006,</i> <i>doi:10.1042/BJ20051809</i>	F. Domínguez and F.J. Cejudo		529–536
In-frame deletion in the EGF receptor alters kinase inhibition by gefitinib <i>Published as BJ Immediate Publication 20 April 2006,</i> <i>doi:10.1042/BJ20051962</i>	K. Sakai, H. Yokote, K. Murakami-Murofushi, T. Tamura, N. Saijo and K. Nishio		537–543

Index of Authors

	PAGE		PAGE		PAGE		PAGE
Adelt, S.	509	Han, Q.	473	Méchin, M.-C.	449	Serre, G.	449
Ai, Y.	461	Harris, R. A.	417	Michaud, J.	461	Severcan, F.	427
Asakura, T.	483	Herrald, P.	501	Mitić, N.	501	Shiraiwa, M.	449
Asano, T.	389	Hla, T.	461	Morishita, R.	389	Simon, M.	449
				Müller, A.	509	Smith, C. A.	501
Babiychuk, E. B.	407	Ito, H.	389	Murakami-Murofushi, K.	537	Suzuki, Y.	483
Bhattacharya, S.	437	Iwamoto, I.	389				
Bock, C. B.	417			Nagata, K.-i.	389	Takahara, H.	449
Bourne, N. T.	483	Jackson, C. J.	501	Naumann, D.	427	Tamura, T.	537
		Jaskiewicz, J.	417	Nidetzky, B.	491	Thangada, S.	461
		Jeoung, N. H.	417	Nishio, K.	537	Toyran, N.	427
Carr, P. D.	501	Johnson, L. R.	437	Nozawa, Y.	389	Turan, B.	427
Cejudo, F. J.	529	Joshi, M. A.	417				
Chavanas, S.	449			Ollis, D. L.	501	Venkataraman, K.	461
		Kanno, T.	449	Oo, M. L.	461	Vogel, G.	509
DePaoli-Roach, A. A.	417	Kawada, A.	449				
Ding, H.	473	Khan, F.	461	Parikh, N. S.	461	Williamson, M. P.	483
Domínguez, F.	529	Kim, H.-K.	501	Prasad, V. R.	399	Wu, M.	461
Dong, S.	449	Kim, S. R.	473	Proia, R. L.	461	Wu, P.	417
Draeger, A.	407	Kini, R. M.	377	Ray, R. M.	437	Wu, Y. Y.	399
		Kojima, T.	449				
Fischbach, A.	509			Saijo, N.	537	Yamaki, A.	449
		Lasch, P.	427	Sakai, K.	537	Yokote, H.	537
Garforth, S. J.	399	Lee, Y.-M.	461	Schenk, G.	501		
Goedl, C.	491	Li, J.	473	Schwarz, A.	491	Zhang, J.	519
Griessler, R.	491	Liu, J.-W.	501				

Index of Authors

Volume 397, 2006

	PAGE		PAGE		PAGE		PAGE
Abidi, P.	101	Gollasch, M.	25	Liu, L.	77	Severcan, F.	427
Adelt, S.	509	González-Billault, C.	53	Liu, W.-D.	169	Shapiro, P.	329
Ai, Y.	461	Griessler, R.	491	Lowe, C. R.	305	Sharma, N.	61
Alessi, D. R.	223	Grissom, S. F.	89	Lowe, D. J.	261	Shaw, J.-F.	69
Al-Fageeh, M. B.	247			Luft, F. C.	25	Shen, L. N.	279
Alves, V. S.	187	Hajirezaei, M.-R.	139	Lunn, J. E.	139	Shepherd, M.	47
Ando, T.	271	Han, Q.	473			Shimizu, H.	355
Aronson, P. S.	25	Hanscom, H. N.	297	Machesky, L. M.	39	Shiraiwa, M.	449
Asakura, T.	483	Hansen, H.	337	Marasa, B. S.	77	Simon, M.	449
Asano, T.	389	Hao, J.	195	Marijanovic, Z.	31	Simpson, R. J.	61
Attrill, H.	271	Harris, R. A.	417	Masaki, T.	345	Smales, C. M.	247
Avila, J.	53	Hay, R. T.	279	Matsuura, T.	345	Smidt, M. P.	233
		Helfand, S.	25	McKie, A. T.	61	Smith, C. A.	501
		Hendriks, J. H. M.	139	Méchin, M.-C.	449	Šnyrychová, I.	321
Babychuk, E. B.	407	Herold, D.	25	Mello, L. E. A. M.	187	Stitt, M.	139
Baird, F. E.	369	Herrald, P.	501	Michaud, J.	461	Strzałka, K.	321
Beak, J. Y.	89	Hinderlich, S.	195	Michiels, F.	39	Sundaramoorthy, M.	195
Berthiaume, F.	149	Hla, T.	461	Mitić, N.	501	Suzuki, A.	289
Bhattacharya, S.	437	Hordijk, P.	39	Miyamura, T.	345	Suzuki, T.	345
Bock, C. B.	417	Hotta, C. T.	15	Miyazaki, M.	289	Suzuki, Y.	483
Bourne, N. T.	483	Hou, Y.-x.	121	Mohebbi, N.	25		
Breslin, M. B.	169	Hubbard, K. E.	15	Mole, D. R.	179	Takahara, H.	449
Brew, S. A.	297	Hundal, H. S.	369	Morcuende, R.	139	Takazawa, H.	271
Brookes, M. J.	61	Hupp, T. R.	355	Morishita, R.	389	Tamura, T.	537
Brossmer, R.	271			Morrice, N. A.	223	Taylor, P. M.	369
Brown, S. A. N.	297	Iqbal, T. H.	61	Muguira, M.	169	Teichert, C.	25
Burbach, J. P. H.	233	Isecke, R.	271	Müller, A.	509	ten Klooster, J. P.	39
Buyse, F.	121	Ishida, H.	271	Murakami-Murofushi, K.	537	Thangada, S.	461
		Ito, H.	389	Murray, J. A. H.	305	Thastrup, J.	223
		Iturrioz, X.	109	Mutule, I.	203	Thiel, G.	101
		Iwamoto, I.	389	Mutulis, F.	203	Tian, Y.-M.	179
						Tisi, L. C.	305
Calleja, V.	109			Nagata, K.-i.	389	Toyran, N.	427
Cao, G.-L.	329	Jackson, C. J.	501	Naismith, J. H.	279	Tselepis, C.	61
Carillo, P.	139	Janssen, L.	39	Naumann, D.	427	Turan, B.	427
Carnevali, L. S.	187	Jaqueta, C. B.	187	Nauš, J.	321	Turner, D. J.	77
Carr, P. D.	501	Jaskiewicz, J.	417	Newton, W. E.	261		
Castilho, B. A.	187	Jeoung, N. H.	417	Nidetzky, B.	491	van Aalten, D. M. F.	271
Cejudo, F. J.	529	Jetten, A. M.	89	Nishio, K.	537	Vann, W. F.	195
Chang, X.-b.	121	Jiménez-Mateos, E.-M.	53	Niyomrattanakit, P.	203	Vattem, K. M.	187
Chavanas, S.	449	Johnson, L. R.	437	Nozawa, Y.	389	Venkataraman, K.	461
Chen, H.-C.	337	Joshi, M. A.	417			Vigano, C.	121
Chen, J.	77	Jung, J. H.	131	Ogilvie, W. L. J.	369	Vitari, A. C.	223
Churamani, D.	313			Ohkawa, K.	345	Vitek, M. P.	53
Collard, J. G.	39	Kang, H. S.	89	Okazaki, I.	345	Vogel, G.	509
Collins, J. B.	89	Kanno, T.	449	Okuda, H.	109	Volinsky, N.	213
Crocker, P. R.	271	Karlsson, H. K. R.	223	Ollis, D. L.	501	Vu, H.	297
		Katzenmeier, G.	203	Omae, F.	289		
		Kawada, A.	449	Oo, M. L.	461	Wallace, M.	355
		Keledjian, K. M.	77	Osuna, D.	139	Wang, H.-W.	169
		Kelm, S.	271			Wang, J.-Y.	77
		Khan, F.	461	Paiva, V. N.	187	Watanabe, T.	345
		Kim, H.-K.	501	Parikh, N. S.	461	Waxman, D. J.	159
		Kim, S. R.	473	Park, S.-H.	159	Webb, A. A. R.	15
		Kim, Y.-S.	89	Parker, P. J.	109	Wek, R. C.	187
		Kini, R. M.	377	Patel, S.	313	Whelan, R.	109
		Kiso, M.	271	Pellegrini, S.	31	Wijchers, P. J. E. C.	233
		Knauf, F.	25	Pereira, C. M.	187	Wikberg, J. E. S.	203
		Kojima, T.	449	Petrovich, R. M.	89	Williamson, M. P.	483
		Kozutsumi, Y.	289	Petrovska, R.	203	Winkles, J. A.	297
		Kruk, J.	321	Pinilla-Tenas, J. J.	369	Witt, S.	271
		Kumar, K. G. S.	31	Pospíšil, P.	321	Wiwi, C. A.	159
				Prasad, V. R.	399	Wu, M.	461
				Proia, R. L.	461	Wu, P.	417
				Prusis, P.	203	Wu, Y. Y.	399
		Laftah, A. H.	61				
		Lan, M. S.	169	Rafiqi, F. H.	223	Xiao, L.	77
		Langridge-Smith, P. R. R.	355	Ragimbeau, J.	31		
		Larijani, B.	109	Raines, K. W.	329	Yablonski, D.	213
		Lasch, P.	427	Rao, J. N.	77	Yahorava, S.	203
		Law, G. H. E.	305	Ratcliffe, P. J.	179	Yamaki, A.	449
		Lee, E. K.	329	Ray, R. M.	437	Yarmush, D.	149
		Lee, L.-C.	69	Rogina, B.	25	Yarmush, M. L.	149
		Lee, S. B.	131	Rosen, G. M.	329	Yokote, H.	537
		Lee, Y.-L.	69	Ruyschaert, J.-M.	121	Yubisui, T.	289
		Lee, Y.-M.	461				
		Leu, R.-J.	69	Saijo, N.	537	Zhang, A.-h.	77
		Leybaert, L.	1	Sakai, K.	537	Zhang, F.	101
		Li, J.	473	Saliba, D.	355	Zhang, J.	519
		Lin, M.	101	Scheible, W.-R.	139	Zhao, Q.	121
		Liu, H.	279	Schenk, G.	501	Zhou, Y.	101
		Liu, J.	101	Schwarz, A.	491	Ziegler, M.	313
		Liu, J.-W.	501	Serre, G.	449	Zou, T.	77