

## 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**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**A. Xu** • Hong Kong

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****H. F. Logan****J. W. Mockridge****P. D. Taylor**

Desk Editor

**A. Ho**

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 (Vare)

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. Wu (Guangzhou)

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

● **Advertising** Enquiries about advertising should be addressed to [marketing@portlandpress.com](mailto: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****Experimental evolution of protein–protein interaction networks**

Published on the Internet 12 July 2013,  
doi:10.1042/BJ20130205

B. Kaçar and E.A. Gaucher

311–319

**Biochemistry of cardiomyopathy in the mitochondrial disease Friedreich's ataxia**

Published on the Internet 12 July 2013,  
doi:10.1042/BJ20130079

D.J.R. Lane, M.L.-H. Huang, S. Ting,  
S. Sivagurunathan and D.R. Richardson

321–336

**Online Commentary**

When worlds collide: inositol pyrophosphates and phosphoinositides intersect at the plasma membrane

Published on the Internet 12 July 2013,  
doi:10.1042/BJ20130785  
(see accompanying paper, pp. 413–426)

C. Erneux and W. Elong Edimo

e3–e4

**Research Papers**

A highly efficient peptide substrate for EGFR activates the kinase by inducing aggregation

Published as BJ Immediate Publication 5 June 2013,  
doi:10.1042/BJ20130537

K. Engel, T. Sasaki, Q. Wang and J. Kuriyan



337–344

Stabilization of the angiotensin-(1–7) receptor Mas through interaction with PSD95

Published as BJ Immediate Publication 24 May 2013,  
doi:10.1042/BJ20121885

W. Bian, L. Sun, L. Yang, J.-F. Li, J. Hu, S. Zheng, R. Guo,  
D. Feng, Q. Ma, X. Shi, Y. Xiong, X. Yang, R. Song, J. Xu,  
S. Wang and J. He

345–356

The polyserine domain of the lysyl-5 hydroxylase Jmjd6 mediates subnuclear localization

Published as BJ Immediate Publication 21 May 2013,  
doi:10.1042/BJ20130529

A. Wolf, M. Mantri, A. Heim, U. Müller, E. Fichter,  
M.M. Mackeen, L. Schermelleh, G. Dadie, H. Leonhardt,  
C. Vénien-Bryan, B.M. Kessler, C.J. Schofield and  
A. Böttger

357–370

Analysing the visible conformational substates of the FK506-binding protein FKBP12

Published as BJ Immediate Publication 21 May 2013,  
doi:10.1042/BJ20130276

S.M. Mustafi, H. Chen, H. Li, D.M. LeMaster and  
G. Hernández

371–380

p32 protein levels are integral to mitochondrial and endoplasmic reticulum morphology, cell metabolism and survival

Published as BJ Immediate Publication 22 May 2013,  
doi:10.1042/BJ20121829

M.J. Hu, S.A. Crawford, D.C. Henstridge, I.H.W. Ng,  
E.J.H. Boey, Y. Xu, M.A. Febbraio, D.A. Jans and  
M.A. Bogoyevitch

381–391

Crystal structures of human cholinesterases in complex with huprine W and tacrine: elements of specificity for anti-Alzheimer's drugs targeting acetyl- and butyryl-cholinesterase

Published as BJ Immediate Publication 17 May 2013,  
doi:10.1042/BJ20130013

F. Nachon, E. Carletti, C. Ronco, M. Trovaslet, Y. Nicolet,  
L. Jean and P.-Y. Renard

393–399

The folding capacity of the mature domain of the dual-targeted plant tRNA nucleotidyltransferase influences organelle selection









Published as BJ Immediate Publication 28 May 2013,  
doi:10.1042/BJ20121577

M. Leibovitch, D. Bublak, P.J. Hanic-Joyce, B. Tillmann,  
N. Flinner, D. Amsel, K.-D. Scharf, O. Mirus, P.B.M. Joyce  
and E. Schleiff

401–412

## Contents

---

- PPIP5K1 modulates ligand competition between diphosphoinositol polyphosphates and PtdIns(3,4,5)P<sub>3</sub> for polyphosphoinositide-binding domains  
*Published as BJ Immediate Publication 20 May 2013,*  
*doi:10.1042/BJ20121528*
- Molecular determinants of co- and post-translational N-glycosylation of type I transmembrane peptides  
*Published as BJ Immediate Publication 29 May 2013,*  
*doi:10.1042/BJ20130028*
- The proteasome cap RPT5/Rpt5p subunit prevents aggregation of unfolded ricin A chain  
*Published as BJ Immediate Publication 26 April 2013,*  
*doi:10.1042/BJ20130133*
- Preparation and *in vivo* characterization of a cocaine hydrolase engineered from human butyrylcholinesterase for metabolizing cocaine  
*Published on the Internet 12 July 2013,*  
*doi:10.1042/BJ20130549*
- Multilevel functional and structural defects induced by two pathogenic mitochondrial tRNA mutations  
*Published as BJ Immediate Publication 1 May 2013,*  
*doi:10.1042/BJ20130294*
- Spermidine promotes adipogenesis of 3T3-L1 cells by preventing interaction of ANP32 with HuR and PP2A  
*Published as BJ Immediate Publication 14 May 2013,*  
*doi:10.1042/BJ20130263*
- Hyperoxidized peroxiredoxin 2 interacts with the protein disulfide-isomerase ERp46  
*Published as BJ Immediate Publication 28 May 2013,*  
*doi:10.1042/BJ20130030*
- N.A. Gokhale, A. Zaremba, A.K. Janoshazi, J.D. Weaver and S.B. Shears
- H.L.H. Malaby and W.R. Kobertz
- P. Pietroni, N. Vasisht, J.P. Cook, D.M. Roberts, J.M. Lord, R. Hartmann-Petersen, L.M. Roberts and R.A. Spooner
- L. Xue, S. Hou, M. Tong, L. Fang, X. Chen, Z. Jin, H.-H. Tai, F. Zheng and C.-G. Zhan
- M. Wang, X.-L. Zhou, R.-J. Liu, Z.-P. Fang, M. Zhou, G. Eriani and E.-D. Wang
- M.T. Hyvönen, T. Koponen, J. Weisell, M. Pietilä, A.R. Khomutov, J. Vepsäläinen, L. Alhonen and T.A. Keinänen
- P.E. Pace, A.V. Peskin, M.-H. Han, M.B. Hampton and C.C. Winterbourn
-    **413–426**
-  **427–434**
-  **435–445**
- 447–454**
-  **455–465**
-  **467–474**
-  **475–485**

# Index of Authors

	PAGE		PAGE		PAGE		PAGE
Alhonen, L.	467	Hanic-Joyce, P. J.	401	Ma, Q.	345	Tai, H.-H.	447
Amsel, D.	401	Hartmann-Petersen, R.	435	Mackeen, M. M.	357	Tillmann, B.	401
		He, J.	345	Malaby, H. L. H.	427	Ting, S.	321
Bian, W.	345	Heim, A.	357	Mantri, M.	357	Tong, M.	447
Boey, E. J. H.	381	Henstridge, D. C.	381	Mirus, O.	401	Trovaslet, M.	393
Bogoyevitch, M. A.	381	Hernández, G.	371	Müller, U.	357		
Böttger, A.	357	Hou, S.	447	Mustafi, S. M.	371	Vasisht, N.	435
Bublak, D.	401	Hu, J.	345			Vénien-Bryan, C.	357
		Hu, M. J.	381	Nachon, F.	393	Vepsäläinen, J.	467
Carletti, E.	393	Huang, M. L.-H.	321	Ng, I. H. W.	381		
Chen, H.	371	Hyvönen, M. T.	467	Nicolet, Y.	393	Wang, E.-D.	455
Chen, X.	447			Pace, P. E.	475	Wang, M.	455
Cook, J. P.	435	Janoshazi, A. K.	413	Peskin, A. V.	475	Wang, Q.	337
Crawford, S. A.	381	Jans, D. A.	381	Pietilä, M.	467	Wang, S.	345
		Jean, L.	393	Pietroni, P.	435	Weaver, J. D.	413
Dadie, G.	357	Jin, Z.	447			Weissell, J.	467
		Joyce, P. B. M.	401	Renard, P.-Y.	393	Winterbourn, C. C.	475
Elong Edimo, W.	e3			Richardson, D. R.	321	Wolf, A.	357
Engel, K.	337	Kaçar, B.	311	Roberts, D. M.	435		
Eriani, G.	455	Keinänen, T. A.	467	Roberts, L. M.	435	Xiong, Y.	345
Erneux, C.	e3	Kessler, B. M.	357	Ronco, C.	393	Xu, J.	345
		Khomutov, A. R.	467			Xu, Y.	381
Fang, L.	447	Kobertz, W. R.	427	Sasaki, T.	337	Xue, L.	447
Fang, Z.-P.	455	Koponen, T.	467	Scharf, K.-D.	401		
Febbraio, M. A.	381	Kuriyan, J.	337	Schermelleh, L.	357	Yang, L.	345
Feng, D.	345			Schleiff, E.	401	Yang, X.	345
Fichter, E.	357	Lane, D. J. R.	321	Schofield, C. J.	357		
Flinner, N.	401	LeMaster, D. M.	371	Shears, S. B.	413	Zaremba, A.	413
		Leibovitch, M.	401	Shi, X.	345	Zhan, C.-G.	447
Gaucher, E. A.	311	Leonhardt, H.	357	Sivagurunathan, S.	321	Zheng, F.	447
Gokhale, N. A.	413	Li, H.	371	Song, R.	345	Zheng, S.	345
Guo, R.	345	Li, J.-F.	345	Spooner, R. A.	435	Zhou, M.	455
		Liu, R.-J.	455	Sun, L.	345	Zhou, X.-L.	455
Hampton, M. B.	475	Lord, J. M.	435				
Han, M.-H.	475						

# Index of Authors

## Volume 453, 2013

	PAGE		PAGE		PAGE		PAGE
Alessi, D. R.	101	Gottardi, C. J.	154	Lin, S.-Y.	201	Sedek, M.	231
Alhonen, L.	467	Guidetti, G. F.	115	Liu, R.-J.	455	Sepulveda, B.	101
Amsel, D.	401	Guo, R.	345	Lo, H.-F.	201	Serrano, G.	101
Andrews, P. G. P.	61	Guse, A. H.	e1	Lord, J. M.	435	Shankarling, G.	271
Ayer, D. E.	209			Lou, J.	37	Shanker, S.	153
		Hallenbeck, K. K.	241	Lüscher, D.	83	Shears, S. B.	413
Bae, E.	49	Halpert, J. R.	219	Lynch, K. W.	271	Shi, X.	345
Baici, A.	83	Hampton, M. B.	475			Sineva, E. V.	219
Balduini, C.	115	Han, G.-S.	49	Ma, Q.	345	Sivagurunathan, S.	321
Baranauskė, S.	281	Han, K.-S.	209	Mackeen, M. M.	357	Sonderegger, P.	83
Bassi, C.	154	Han, M.-H.	475	Mafficini, A.	154	Song, L.-N.	125
Beach, T. G.	101	Hanic-Joyce, P. J.	401	Mahrhold, S.	37	Song, R.	345
Beghelli, S.	154	Hartmann-Petersen, R.	435	Majer, C. R.	241	Sousa Silva, M.	1
Benson, D. L.	101	Hay, R. T.	137	Malaby, H. L. H.	427	Spooner, R. A.	435
Berkholz, J.	303	He, J.	345	Manganaro, D.	115	Strotmeier, J.	37
Bian, W.	345	He, Z.	61	Mantri, M.	357	Strous, G. J.	231, 291
Binz, T.	37	Heim, A.	357	Marczylo, E. L.	71	Su, J.	179
Blumberg, P. M.	153	Henstridge, D. C.	381	Marks, J. D.	37	Sukar, N. N.	101
Boelens, R.	291	Hering, V.	154	Melrose, H. L.	101	Sun, L.	345
Boey, E. J. H.	381	Hernández, G.	371	Mesias, R.	101	Suter, L.	71
Bogoyevitch, M. A.	381	Hill, C. S.	153	Mirus, O.	401	Swalm, B. M.	241
Bolliger, M. F.	83	Hinkle, K. M.	101	Moyer, M. P.	241		
Böttger, A.	357	Hirabayashi, J.	261	Müller, U.	357		
Bowen, C.	125	Hocking, H. G.	291	Munz, B.	303	Tai, H.-H.	447
Brailoiu, E.	147	Hooper, R.	147	Mustafi, S. M.	371	Tateno, H.	261
Bublak, D.	401	Hou, S.	447			Tatham, M. H.	137
		Hu, D.	261	Nachon, F.	393	Tillmann, B.	401
		Hu, J.	345	Naismith, J. H.	155	Ting, S.	321
Campos, M. L.	154	Hu, M. J.	381	Nakamura, F.	17	Tong, M.	447
Canobbio, I.	115	Huang, M. L.-H.	321	Narimatsu, H.	261	Torti, M.	115
Carletti, E.	393	Hunter, G. A.	154	Nassar, N.	27	Trovaslet, M.	393
Carman, G. M.	49	Hwang, J.-H.	187	Ng, I. H. W.	381	Tseng, Y.-H.	167
Carpino, N.	27	Hyun, C.	187	Nicolet, Y.	393	Tzenov, Y. R.	61
Chen, Hui	371	Hyvönen, M. T.	467	Nomura, K.	249		
Chen, Hungwen	201			Ono, S.	249	van Rossum, A. G. S. H.	291
Chen, X.	447	Jaffray, E. G.	137	Osipenko, A.	281	Vasisht, N.	435
Cho, C.-H.	187	Jahn, D.	154			Vénien-Bryan, C.	357
Churamani, D.	147	Jahn, M.	154	Pace, P. E.	475	Vepsäläinen, J.	467
Consonni, A.	115	Janoshazi, A. K.	413	Park, S.-W.	49	Vilkaitis, G.	281
Cook, J. P.	435	Jans, D. A.	381	Patel, S.	147		
Copeland, R. A.	241	Jean, L.	393	Peskin, A. V.	475	Wang, C.-C.	201
Cordeiro, C.	1	Jeong, D.-y.	49	Pietilä, M.	467	Wang, E.-D.	455
Cowell, R. M.	101	Jin, L.	241	Pietroni, P.	435	Wang, H.	179
Crawford, S. A.	381	Jin, W.-J.	49	Plechanovová, A.	137	Wang, M.	455
		Jin, Z.	447	Plotnikova, A.	281	Wang, Q.	337
da Silva Almeida, A. C.	291	Joyce, P. B. M.	401	Ponces Freire, A.	1	Wang, S.	345
Dadie, G.	357			Popadiuk, C.	61	Weaver, J. D.	413
Darras, V. M.	71	Kao, K. R.	61	Prasad, B. V. V.	153	Weisell, J.	467
Das, J.	153	Kaufholz, A.-L.	154			West, A. B.	101
Das, S. S.	101	Kaçar, B.	311	Rahman, G. M.	153	White, III, C. L.	101
Davies, P.	101	Keddei, N.	153	Rahman, T.	147	White, M. F.	155
Davydov, D. R.	219	Keinänen, T. A.	467	Real, F. X.	154	Wigle, T. J.	241
Davydova, N. Y.	219	Kessler, B. M.	357	Reeks, J.	155	Winterbourn, C. C.	475
Dudek, K. M.	71	Khomutov, A. R.	467	Reif, R.	83	Wolf, A.	357
Dürr, S.	83	Kim, D. H.	187	Renard, P.-Y.	393	Woo, J. S.	187
		Kim, H. E.	49	Richardson, D. R.	321		
Elong Edimo, W.	e3	Kim, K.-S.	49	Roberts, D. M.	435	Xie, L.	179
Engel, K.	337	Kim, M.-J.	49	Roberts, L. M.	435	Xiong, Y.	345
Eriani, G.	455	Klimašauskas, S.	281	Rodolosse, A.	154	Xu, J.	345
Erneux, C.	e3	Kobertz, W. R.	427	Ronco, C.	393	Xu, Y.	381
		Koh, E.	49	Rummel, A.	37	Xue, L.	447
Fang, L.	447	Koponen, T.	467				
Fang, Z.-P.	455	Kufareva, I.	219	Salmen, H.	137	Yang, L.	345
Febbraio, M. A.	381	Kunz, B.	83	Sánchez-Arévalo Lobo, V. J.	154	Yang, X.	345
Feng, D.	345	Kuriyan, J.	337				
Ferreira, A. E. N.	1			San Luis, B.	27	Zakrzewicz, A.	303
Ferreira, G. C.	154	Lane, D. J. R.	321	Sasaki, T.	337	Zaremba, A.	413
Fichter, E.	357	Layer, G.	154	Sato, T.	261	Zhan, C.-G.	447
Flinner, N.	401	LeMaster, D. M.	371	Scardoni, M.	154	Zhang, G.	179
		Lee, E. H.	187	Scarpa, A.	154	Zhang, R.	179
Galliciotti, G.	83	Lee, K. J.	187	Scharf, K.-D.	401	Zheng, F.	447
Gant, T. W.	71	Leibovitch, M.	401	Schätzle, P.	83	Zheng, S.	345
Garcia-Rodriguez, C.	37	Leonhardt, H.	357	Schermelleh, L.	357	Zhou, M.	455
Gaucher, E. A.	311	Lewin, N. E.	153	Schleiff, E.	401	Zhou, Q.	179
Gelmann, E. P.	125	Li, H.	371	Schofield, C. J.	357	Zhou, X.-L.	455
Gisler, C.	83	Li, J.-F.	345	Schulz, T. J.	167		
Gokhale, N. A.	413	Liang, X.	179	Scott, M. P.	241		
Gomes, R. A.	1						