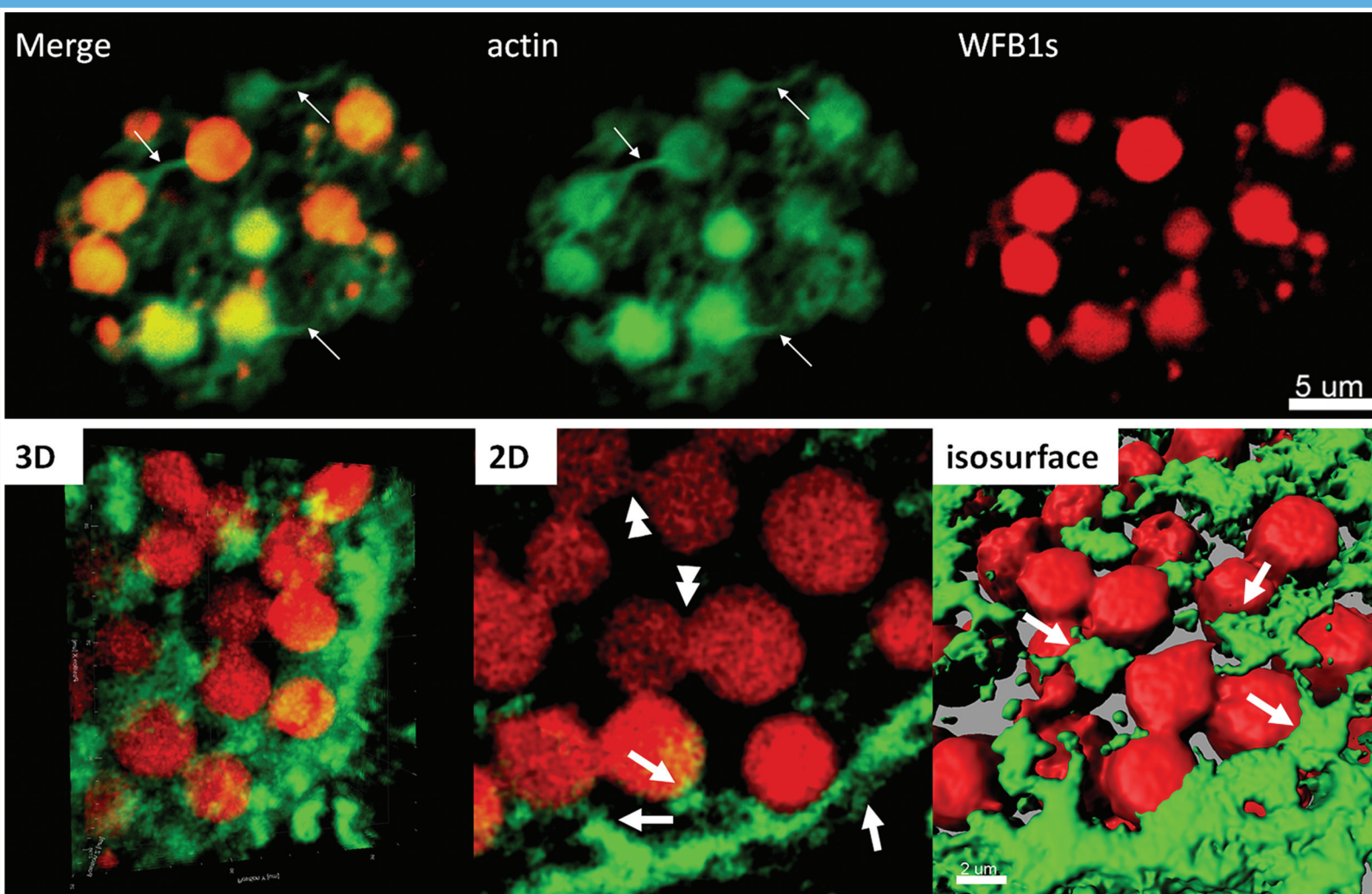


PARASITOLOGY

journals.cambridge.org/par

Submit your paper online

<http://mc.manuscriptcentral.com/par>



Editor-in-Chief
R. S. Phillips

Editor – Special Issues
J. T. Ellis

Editors
A. Bell, A. Hemphill, C. Holland, J. R. Stothard,
J. Wastling

CAMBRIDGE
UNIVERSITY PRESS

Parasitology

EDITOR-IN-CHIEF
R. S. PHILLIPS

EDITOR – SPECIAL ISSUES
J. T. ELLIS

EDITORS
A. BELL, A. HEMPHILL, C. HOLLAND, J. R. STOTHARD, J. WASTLING

EDITORIAL POLICY

Parasitology publishes definitive papers on all aspects of pure and applied parasitology including biochemistry, molecular biology, immunology, genetics, ecology and physiology and also the application of new techniques, long-term epidemiology studies, advances in the understanding of life-cycles, chemotherapy and major systematic revisions. Papers should normally be full length with an explanatory introduction and detailed discussion of the findings reported. Shorter reports of particularly important findings will also be considered.

To submit papers online, go to <http://mc.manuscriptcentral.com/par/>

R. AROIAN, University of California, San Diego, USA
A. BOWMAN, University of Aberdeen, UK
C. BRITTON, University of Glasgow, UK
M. DE NAZARÉ CORREIA SOEIRO, Fundação Oswaldo Cruz, Brazil
A. FENTON, University of Liverpool, UK
P. GELDHOF, University of Ghent, Belgium
H. HELMBY, London School of Hygiene & Tropical Medicine, UK
G. HIDE, University of Salford, UK
P. HORROCKS, Keele University, UK
A. ITO, Asahikawa Medical College, Japan
M. K. JONES, Queensland Institute of Medical Research, Australia
F. KATZER, Moredun Research Institute, UK
M. W. KENNEDY, University of Glasgow, UK
J. LACOURSE, Liverpool School of Tropical Medicine, UK
P. T. LOVERDE, University of Texas Health Science Centre, USA

M. McALLISTER, University of Adelaide, Australia
P. McVEIGH, Queen's University Belfast, UK
E. MORGAN, University of Bristol, UK
S. A. NADLER, University of California, Davis, USA
D. OUTLAW, Mississippi State University, USA
D. ROLLINSON, Natural History Museum, London, UK
T. SCHETTERS, Intervet International, The Netherlands
M. SCHNYDER, University of Zurich, Switzerland
J. R. STOTHARD, Liverpool School of Tropical Medicine, UK
U. TATU, Indian Institute of Science, India
J. T. TIMI, Universidad Nacional de Mar del Plata-CONICET, Argentina
D. WILLIAMS, University of Liverpool, UK
R. A. WILSON, University of York, UK
D. ZARLENGA, USDA, ARS, ANRI, USA

Parasitology (ISSN 0031–1820) is published monthly and semi-monthly in April and September.

Subscriptions may be sent to any bookseller or subscription agent or direct to the publisher: Cambridge University Press, University Printing House, Shaftesbury Road, Cambridge CB2 8BS, UK. Subscriptions in the USA, Canada and Mexico should be sent to Cambridge University Press, Journals Fulfillment Department, 1 Liberty Plaza, Floor 20, New York, NY 10006, USA. All orders must be accompanied by payment.

The subscription price (excluding VAT) of volume 144, 2017 which includes print and electronic access is £1767 (US \$3004 in the USA, Canada and Mexico), for fourteen parts; the electronic-only price for institutional subscribers is £1413 (US \$2407 in the USA, Canada and Mexico); separate parts cost £145 or US \$247 each (plus postage). EU subscribers (outside the UK) who are not registered for VAT should add VAT at their country's rate. VAT registered subscribers should provide their VAT registration number. Japanese prices for institutions are available from Kinokuniya Company Ltd, P.O. Box 55, Chitose, Tokyo 156, Japan. Periodicals postage paid at New York, NY and at additional mailing offices. POSTMASTER: send address changes in USA, Canada and Mexico to Parasitology, Cambridge University Press, 1 Liberty Plaza, Floor 20, New York, NY 10006, USA.

Information on back volumes, permissions and advertising is given on the inside back cover.

The Journal is listed in the major relevant abstracting and indexing services worldwide, including Abstracts on Hygiene and Communicable Disease, Biological Abstracts, Biotechnology Research Abstracts, Chemical Abstracts, Current Awareness in Biological Science, Current Contents, Dairy Science Abstracts, Excerpta Medica, Helminthological Abstracts, Index Medicus, Index Veterinarius, IABS, Protozoological Abstracts, Reviews of Applied Entomology, Tropical Diseases Bulletin, Veterinary Bulletin.

Internet access. This journal is included in the Cambridge Journals Online service which can be found at <http://journals.cambridge.org/>. For further information on other Press titles access <http://www.cambridge.org/>.

This journal issue has been printed on FSC-certified paper and cover board. FSC is an independent, non-governmental, not-for-profit organization established to promote the responsible management of the world's forests.

Please see www.fsc.org for information.