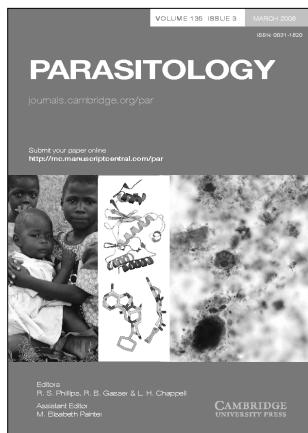


CAMBRIDGE

JOURNALS



Parasitology

Editor

L. H. Chappell, University of Aberdeen, UK
Robin B. Gasser, University of Melbourne, Australia
R. S. Phillips, University of Glasgow, UK

Parasitology

is available online at
journals.cambridge.org/par

To subscribe contact Customer Services

in Cambridge:

Phone +44 (0)1223 326070
Fax +44 (0)1223 325150
Email journals@cambridge.org

in New York:

Phone (845) 353 7500
Fax (845) 353 4141
Email
subscriptions_newyork@cambridge.org

Parasitology publishes original papers on all aspects of parasitology and host-parasite relationships, ranging from the latest discoveries in biochemical and molecular biology to ecology and epidemiology in the context of the medical, veterinary and biological sciences.

Two specially commissioned issues with important topics in parasitology, including the proceedings of the symposia of the British Society for Parasitology, are included in the annual subscription.

**Price information is available at
journals.cambridge.org/par**

Free email alerts

Keep up-to-date with new material –
sign up at journals.cambridge.org/register

For a free online sample visit
journals.cambridge.org/par



CAMBRIDGE
UNIVERSITY PRESS

CAMBRIDGE

JOURNALS



Animal Health Research Reviews

Published in collaboration with the Conference of
Research Workers in Animal Diseases

Animal Health Research Reviews

is available online at
journals.cambridge.org/ahr

To subscribe contact
Customer Services

in Cambridge:
Phone +44 (0)1223 326070
Fax +44 (0)1223 325150
Email journals@cambridge.org

in New York:
Phone (845) 353 7500
Fax (845) 353 4141
Email
subscriptions_newyork@cambridge.org

Editor-in-Chief

C. Gyles, University of Guelph, Canada

Animal Health Research Reviews provides an international forum for the publication of reviews and commentaries on all aspects of animal health. The journal covers all facets of animal health and science, including but not limited to both infectious and non-infectious diseases in domestic and wild animals.

Price information is available at
journals.cambridge.org/ahr

Free email alerts

Keep up-to-date with new material –
sign up at journals.cambridge.org/register

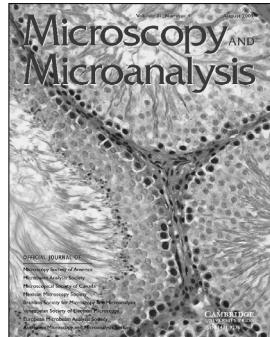
For a free online sample visit
journals.cambridge.org/ahr



CAMBRIDGE
UNIVERSITY PRESS

CAMBRIDGE

JOURNALS



Microscopy and Microanalysis

Published for the Microscopy Society of America

Microscopy and Microanalysis

is available online at:
journals.cambridge.org/mam

To subscribe contact

Customer Services

in Cambridge:

Phone +44 (0)1223 326070
Fax +44 (0)1223 325150
Email journals@cambridge.org

in New York:

Phone (845) 353 7500
Fax (845) 353 4141
Email
subscriptions_newyork@cambridge.org

Editor-in-Chief

Charles E. Lyman, Lehigh University, USA

Microscopy and Microanalysis, a peer-reviewed bimonthly journal publishes original research papers in the fields of microscopy, imaging, and compositional analysis. The journal provides significant articles that describe new and existing techniques and instrumentation, as well as the applications of these to the imaging and analysis of microstructure.

Price information is available at:
journals.cambridge.org/mam

Free email alerts

Keep up-to-date with new material –
sign up at journals.cambridge.org/register

For a free online sample visit:
journals.cambridge.org/mam



CAMBRIDGE
UNIVERSITY PRESS

First View Articles

The following papers have recently been published online ahead of print in *Epidemiology and Infection*.

To read the abstracts, and access the full text of these papers, please visit journals.cambridge.org/HYGforthcoming

Title: Prospective evaluation of latent tuberculosis with interferon- γ release assays in drug and alcohol abusers

Authors: I. Rivas, I. Latorre, A. Sanvisens, J. Domínguez, J. Tor, C. Prat, C. Rey-Joly and R. Muga

doi: 10.1017/S0950268809002131

Title: Characterization of *emm* types and superantigens of *Streptococcus pyogenes* isolates from children during two sampling periods

Authors: Y. Ma, Y. Yang, M. Huang, Y. Wang, Y. Chen, L. Deng, S. Yu, Q. Deng, H. Zhang, C. Wang, L. Liu and X. Shen

doi: 10.1017/S0950268809002118

Title: A stochastic model to quantify the risk of introduction of classical swine fever virus through import of domestic and wild boars

Authors: B. Martínez-López, A. M. Pérez and J. M. Sánchez-Vizcaíno

doi: 10.1017/S0950268808001623

Title: Association between indicators of livestock farming intensity and hospitalization rate for acute gastroenteritis

Authors: Y. Fevrieri, P. Levallois, G. Lebel and S. Gingras

doi: 10.1017/S0950268808001647

Title: Feasibility of screening broiler chicken flocks for risk markers as an aid for meat inspection

Authors: C. Lupo, S. Le Bouquin, L. Balaine, V. Michel, J. Peraste, I. Petetin, P. Colin and C. Chauvin

doi: 10.1017/S095026880900209X

Title: The impact in the UK of the Central and Eastern European HIV epidemics

Authors: V. C. Delpech, Z. Yin, J. Abernethy, C. Hill, L. Logan, T. R. Chadborn and B. D. Rice

doi: 10.1017/S0950268809002155

Title: Informing surveillance programmes by investigating spatial dependency of subclinical *Salmonella* infection

Authors: J. Benschop, M. A. Stevenson, J. Dahl, R. S. Morris and N. P. French

doi: 10.1017/S0950268809002106

Title: Incidence of hepatitis C in drug injectors: the role of homelessness, opiate substitution treatment, equipment sharing, and community size

Authors: N. Craine, M. Hickman, J. V. Parry, J. Smith, A. M. Walker, D. Russell, B. Nix, M. May, T. McDonald and M. Lyons

doi: 10.1017/S095026880900212X

Title: A comparative study of the 1918–1920 influenza pandemic in Japan, USA and UK: mortality impact and implications for pandemic planning

Authors: S. A. Richard, N. Sugaya, L. Simonsen, M. A. Miller and C. Viboud

doi: 10.1017/S0950268809002088

Title: The effect of open-air factors on the virulence and viability of airborne *Francisella tularensis*

Authors: A. M. Hood

doi: 10.1017/S0950268809002076

Title: Carriage of methicillin-resistant *Staphylococcus aureus* in veterinary personnel

Authors: H. Žemličková, M. Fridrichová, K. Tyllová, V. Jakubů and I. Machová

doi: 10.1017/S0950268809002015

Title: Factors related to the carriage of *Verocytotoxigenic E. coli*, *Salmonella*, thermophilic *Campylobacter* and *Yersinia enterocolitica* in cattle, sheep and pigs at slaughter

Authors: A. S. Milnes, A. R. Sayers, I. Stewart, F. A. Clifton-Hadley, R. H. Davies, D. G. Newell, A. J. C. Cook, S. J. Evans, R. P. Smith and G. A. Paiba

doi: 10.1017/S095026880900199X

Title: Quantitative assessment of the risk of rabies entering Japan through the importation of dogs and cats from the USA

Authors: H. Kamakawa, M. Koiwai, S. Satomura, M. Eto and K. Sugiura

doi: 10.1017/S0950268809002003

Title: Assessing the effects of temperature on dengue transmission

Authors: H. M. Yang, M. L. G. Macoris, K. C. Galvani, M. T. M. Andrigatti and D. M. V. Wanderley

doi: 10.1017/S0950268809002052

Title: Feasibility of a rubella screening and vaccination programme for unvaccinated young women

Authors: W. L. M. Ruijs, M. E. J. L. Hulscher, S. J. M. Hahné, R. S. van Binnendijk and J. van der Velden

doi: 10.1017/S0950268808001982

Title: Epidemiological surveillance of *Campylobacter jejuni* in chicken, dairy cattle and diarrhoea patients

Authors: J. L. Huang, H. Y. Xu, G. Y. Bao, X. H. Zhou, D. J. Ji, G. Zhang, P. H. Liu, F. Jiang, Z. M. Pan, X. F. Liu and X. A. Jiao

doi: 10.1017/S0950268809002039

Title: The epidemiology of, and risk factors for, mortality from severe sepsis and septic shock in a tertiary-care university hospital setting

Authors: B. Khwannimit and R. Bhurayanontachai

doi: 10.1017/S0950268809002027

Title: Assessing the effects of temperature on the population of *Aedes aegypti*, the vector of dengue

Authors: H. M. Yang, M. L. G. Macoris, K. C. Galvani, M. T. M. Andrigatti and D. M. V. Wanderley

doi: 10.1017/S0950268809002040

EPIDEMIOLOGY & INFECTION

CONTENTS

REVIEW ARTICLE

Estimated mortality and hospital admission due to rotavirus infection in the WHO European region

C. J. Williams, A. Lobanov & R. G. Pebody 607

ORIGINAL PAPERS

Noroviruses

Outbreaks of noroviral gastroenteritis in Florida, 2006–2007

T. J. Doyle, L. Stark, R. Hammond & R. S. Hopkins 617

Short Report: Foodborne outbreak of gastroenteritis due to Norovirus and *Vibrio parahaemolyticus*

M. R. Sala, C. Arias, A. Domínguez, R. Bartolomé & J. M. Muntada 626

Models and Methods

Inter- and intra-specific exposure to parasites and pathogens via the faecal–oral route: a consequence of behaviour in a patchy environment

L. A. Smith, G. Marion, D. L. Swain, P. C. L. White & M. R. Hutchings 630

A simulation model for diarrhoea and other common recurrent infections: a tool for exploring epidemiological methods

W.-P. Schmidt, B. Genser & Z. Chalabi 644

Household structure and infectious disease transmission

T. House & M. J. Keeling 654

Syndromic surveillance: sensitivity and positive predictive value of the case definitions

G. Guasticchi, P. Giorgi Rossi, G. Lori, S. Genio, F. Biagiotti, S. Gabriele, P. Pezzotti & P. Borgia 662

Associations between infectious mononucleosis and cancer: record-linkage studies

M. J. Goldacre, C. J. Wotton & D. G. R. Yeates 672

Cancer and immune-mediated disease in people who have had meningococcal disease: record-linkage studies

M. J. Goldacre, C. J. Wotton & D. G. R. Yeates 681

Staphylococcus

Phenotypic and molecular characterization of *Staphylococcus aureus* strains of veterinary, dairy and human origin

M. Gonano, I. Hein, P. Zangerl, A. Rammelmayr & M. Wagner 688

Methicillin-resistant *Staphylococcus aureus* in people living and working in pig farms

I. V. F. van den Broek, B. A. G. L. van Cleef, A. Haenen, E. M. Broens, P. J. van der Wolf, M. J. M. van den Broek, X. W. Huijsdens, J. A. J. W. Kluytmans, A. W. van de Giessen & E. W. Tiemersma 700

Pneumonia and septicaemia

The incidence of pneumonia using data from a computerized general practice database

P. R. Myles, T. M. McKeever, Z. Pogson, C. J. P. Smith & R. B. Hubbard 709

Socioeconomic risk factors for bacteraemic pneumococcal pneumonia in adults

J. H. Flory, M. Joffe, N. O. Fishman, P. H. Edelstein & J. P. Metlay 717

Risk factors for and influence of bloodstream infections on mortality: a 1-year prospective study in a Greek intensive-care unit

M. Pratikaki, E. Platsouka, C. Sotiropoulou, T. Vassilakopoulos, O. Paniara, C. Roussos & C. Routsis 727

Zoonoses

Tularemia in Germany: the tip of the iceberg?

W. D. Splettstoesser, I. Piechotowski, A. Buckendahl, D. Frangoulidis, P. Kaysser, W. Kratzer, P. Kimmig, E. Seibold, S. O. Brockmann for the EMIL Study Group 736

Ovine-associated Q fever

D. Webster, D. Haase, T. J. Marrie, N. Campbell, J. Pettipas, R. Davidson & T. F. Hatchette 744