DGP 18 BERLIN

28th ANNUAL MEETING OF THE GERMAN SOCIETY FOR PARASITOLOGY
21–24 March 2018 | www.parasitology-meeting.de
Parasitology

Back volumes. Vols. 1–71: Inquiries should be addressed to Wm. Dawson & Sons Ltd, Cannon House, Folkestone, Kent. Vols. 72 onwards: quotations for parts still in print may be obtained from Cambridge or the American Branch of Cambridge University Press.

Copying. This journal is registered with the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA. Organizations in the USA who are also registered with C.C.C. may therefore copy material (beyond the limits permitted by sections 107 and 108 of US copyright law) subject to payment to C.C.C. of the per-copy fee of $16.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0031–1820/2018 $16.00.

Organizations authorized by the Copyright Licensing Agency may also copy material subject to the usual conditions.

ISI Tear Sheet Service. 3501 Market Street, Philadelphia, Pennsylvania 19104, USA, is authorized to supply single copies of separate articles for private use only.

For all other use, permission should be sought from Cambridge or the American Branch of Cambridge University Press.

Claims for missing issues can only be considered if made immediately after receipt of the subsequent issue.

Advertising. Details of advertising in Parasitology may be obtained from the publisher.

Online submission. Authors are encouraged to submit their manuscripts online. Go to http://mc.manuscriptcentral.com/par/ to open an author’s account for Parasitology. Manuscript Central is helping to improve the speed of the publication process for the journal.

Front Cover illustration: A schematic illustration of direct and indirect effects of helminths and their products on host immune cells. As shown here, apoptosis occurs in various immune cells during infection with helminths. Helminth-induced apoptosis plays an essential role in parasite survival not only through suppression of anti-parasite immunity, but also via inhibition of immune-mediated tissue injury. From Zakeri, Vol. 144 (13) pp. 1663–1676.

© Cambridge University Press 2018

University Printing House, Cambridge CB2 8BS, United Kingdom
1 Liberty Plaza, Floor 20, New York, NY 10006, USA
477 Williamstown Road, Port Melbourne, VIC 3207, Australia
C/ Orense, 4, Planta 13 28020 Madrid, Spain
Lower Ground Floor, Nautica Building, The Water Club, Beach Road, Granger Bay, 8005 Cape Town, South Africa

Printed in the UK by Bell & Bain
A review of the Acanthocephala parasitising freshwater fishes in Australia

RESEARCH ARTICLES

Stage-dependent behavioural changes but early castration induced by the acanthocephalan parasite Polymorphus minutus in its Gammarus pulex intermediate host
Yann Bailly, Frank Cézilly and Thierry Rigaud 260

Parasitic nematodes of the genus Syphacia Seurat, 1916 infecting Muridae in the British Isles, and the peculiar case of Syphacia frederici
Alex Stewart, Ann Lowe, Lesley Smales, Anna Bajer, Jan Bradley, Dorota Dwuznik, Frits Franssen, Jack Griffith, Peter Stuart, Cyan Turner, Grzegorz Zieliny and Jerzy M. Behnke 269

Temperature-related parasite infection dynamics: the case of proliferative kidney disease of brown trout
Nicole Strepparava, Helmut Sagner, Albert Ros, Hanna Hartikainen, Helge Schmidt-Posthaus and Thomas Wahl 281

Co-factor-independent phosphoglycerate mutase of Leishmania donovani modulates macrophage signalling and promotes T-cell repertoires bearing epitopes for both MHC-I and MHC-II

Molecular and morphological characterization of the cercariae of Lecithodendrium linstowi (Dollfus, 1931), a trematode of bats, and incrimination of the first intermediate snail host, Radix balthica
Egie E. Enabulele, Scott P. Lawton, Anthony J. Walker and Ruth S. Kirk 307

Resistance towards monensin is proposed to be acquired in a Toxoplasma gondii model by reduced invasion and egress activities, in addition to increased intracellular replication
Ahmed Thabet, Johannes Schmidt, Sven Baumann, Walther Honscha, Martin von Bergen, Arwid Daugschies and Berit Bangoura 307

MicroRNA expression profile in RAW264.7 macrophage cells exposed to Echinococcus multilocularis metacestodes
Xiaola Guo and Yadong Zheng 326

Occurrence and diversity of arthropod-transmitted pathogens in red foxes (Vulpes vulpes) in western Austria, and possible vertical (transplacental) transmission of Hepatozoon canis
Adnan Hodžić, Naike Mrowietz, Rita Cézanne, Pla Bruckenschwaiger, Sylvia Purz, Verena Elisabeth Habler, Valentina Tomsk, Judit Lazar, Georg G. Duscher, Walter Glawischnig and Hans-Peter Fuehrer 335

Cattle and rainfall affect tick abundance in central Kenya
Felicia Keasing, Richard S. Ostfeld, Truman P. Young and Brian F. Allan 345

In vitro selection of Phytomonas serpens cells resistant to the calpain inhibitor MDL28170: alterations in fitness and expression of the major peptidases and efflux pumps

Adaptation and evaluation of an ELISA for Trypanosoma evansi infection (surra) in elephants and its application to a serological survey in Thailand
Margot Carnin, Arthur Kocher, Pangi Chalermwong, Sarawut Yangtara, Nikom Thongtip, Sathaporn Jittapalapong and Marc Desquesnes 371

Bank vole immunoheterogeneity may limit Nephropatia Epidemica emergence in a French non-endemic region

Multiple origins of parasitic feminization: thelygeny and intersexuality in beach-hoppers are caused by paramyxid parasites, not microsporidia
James Pickup and Joseph Edward Ionside 408

MicroRNA expression profile in RAW264.7 macrophage cells exposed to Echinococcus multilocularis metacestodes
Xiaola Guo and Yadong Zheng 416