

new book

Parasitology for the 21st Century

*Keynote Papers from the VIII International
Congress of Parasitology*

Edited by M Ali Özcel and M Ziya Alkan
ICOPA Secretariat, Izmir, Turkey

This volume provides a reflective summary of research in parasitology in the late 20th Century combined with a vision of the major challenges and potential successes in the 21st Century. It has been compiled from selected papers presented at the Eighth International Congress of Parasitology held in October 1994. Speakers came from all over the world and a wide variety of topics were covered including medical, veterinary and plant parasitology.

Papers within the book consider current research on the biology of parasites, and new strategies in the transmission and control of parasitic diseases.

This book represents an invaluable resource for all parasitologists. Not only is Parasitology for the 21st Century an up to date summary of research, but it is also a thought provoking look at the future.

Contents include:

Parasitology: New Dimensions for the 21st Century

— T GODAL

Training in Parasitology — R HOUIN

Immunity to Human Leishmaniasis — H AKUFFO,

K MAASHO & S BRITTON

Vaccination against Visceral Leishmaniasis using a

Pure Parasite Protein — C L JAFFE, N RACHAMIM &

R SARFSTEIN

Iron, Oxidant Stress and Malaria — J GOLENSER

Infection Sources, Reservoirs and Transmission of

Pneumocystosis — E DEI-CAS, E MAZARS, EL MOUKHTAR

ALIOUAT, C Ó FERRAGUT, I DURAND, C M DENIS, & D CAMUS

Genetic Variability in Parasitic Helminths —

D P McMANUS

PCR-based Detection and Typing of Parasites —

G L McLAUGHLIN, S S SSENYONGA, E NANTEZA,

RUBAIRE-AKIKI, O WAFULA, R D HANSEN, M H VODKIN,

R J NOVAK, V R GORDON, S MONTENEGRO-JAMES, M JAMES,

H AVILES, R ARMIJOS, C SANTRICH, K WEIGLE, N SARAVIA,

E WOZNIAK, O GAYE, R MDACHI, S Z SHAPIRO, K P CHANG

and I KAKOMA.

To be published December 1995. c.304 Published in Hardback
ISBN 0 85198 977 2 £55.00/US\$99.00 (Americas only)

To place your order for *Parasitology for the 21st Century*, contact:
Book Sales Department, CAB INTERNATIONAL, Wallingford, Oxon OX10 8DE, United Kingdom.
Tel +44 (0) 1491 832111 Fax +44 (0) 1491 826090 e-mail m.legg@cabi.org



EIGHTH INTERNATIONAL TRAINING COURSE ON IDENTIFICATION OF HELMINTH PARASITES OF ECONOMIC IMPORTANCE

8 JULY – 16 AUGUST 1996

Who can benefit from the course?

The course will benefit those engaged in routine identifications of helminth parasites in medical and veterinary laboratories, field work and those involved in training and teaching.

Course contents and aims

The aim of this applied course is to familiarize participants with up-to-date methods of identification of helminth parasites of economic importance. Identification to genus and species levels will be taught and a large part of the course is devoted to practical work and techniques. The course is designed to enable participants to identify important helminth parasites rather than to act as further training for research taxonomists.

Course dates

The course will run over a six week period from 8 July —16 August 1996.

Admission

Admission is limited to a maximum of 15 participants and is open to candidates from all countries. Candidates should have a good knowledge of the English language and have some experience of working with helminth parasites. A certificate of attendance will be awarded on completion of the course.

Fees

A fee of £1,900 per participant will be charged, payable in advance. This will cover teaching, manual, practical material, administration, etc. It does not include board and lodging which can be secured in St Albans at extra cost.

Venue

The course will be held in the laboratories of the International Institute of Parasitology situated in St Albans, 20 miles (32 km) to the north of London and readily accessible by rail, car or bus. Accommodation is available in St Albans.

Further information and application forms may be obtained from:

Dr. L. M. Gibbons

International Institute of Parasitology

395A Hatfield Road, St. Albans, Herts AL4 0XU, UK

Tel: (01727) 833151 Telex: 9312102254 Fax: (01727) 868721

NOTES FOR AUTHORS

The *Journal of Helminthology* publishes papers on all aspects of helminths, particularly those of medical or veterinary importance. Taxonomic contributions will be acceptable if they contribute to the systematics of a group and particularly if they employ biochemical or molecular biological techniques. Short reviews will also be welcome.

Page Format. The *Journal* is printed in a two-column format (column width of 80 mm) with a text area of 170×225 mm.

Text. Papers should be typed, on one side of the paper only, with double line spacing and ample margins (at least 1.5 cm) on each side with no underlining or bold in text except for scientific names. Draft quality print from a word-processor is not acceptable. Standard abbreviations (e.g. fig. and figs) and metric units must be used.

When the paper has been accepted word-processed text stored on floppy disc is encouraged, proving the software is IBM/DOS compatible, but floppy discs must be accompanied by a hard copy. This will enable papers to be handled rapidly, and with fewer type-setting errors.

Abstract. Each paper must commence with a carefully prepared, accurate, informative abstract, in one paragraph, that is complete in itself and intelligible without reference to text or figures. It should not exceed 250 words. A short title should be provided as a running head.

Tables. Tables should be reduced to the simplest form, and should not be used where text or illustrations give the same information. They should be submitted on separate sheets at the end of the article and must fit conveniently into single column, full width or landscape (if absolutely necessary) format. Table captions should be typed on a separate sheet.

Illustrations. Copies only of artwork should be submitted. The original illustrations should accompany the paper after acceptance and revision. Text figures, line drawings, computer-generated figures and graphs should be of sufficient size and quality to allow for reduction by half or two-thirds. Half-tone photographs are acceptable where they are a real contribution to the text. They should be glossy prints of the same size as they are to appear in the *Journal*. All figures and letters on photographs must be inserted by the author. Figure and captions should be typed on a separate sheet.

Voucher specimens. The deposition of voucher specimen should be considered where appropriate.

References. References must be based on the name and year system, give full journal titles and conform to the following styles:

- Grønvoid, J., Wolstrup, J., Larsen, M., Henriksen, S.A. & Nansen, P. (1993) Biological control of *Ostertagia ostertagi* by feeding selected nematode-trapping fungi to calves. *Journal of Helminthology* **67**, 31–36.
- Grove, D.I. (1990) *A history of human helminthology*. 850 pp. Wallingford, CAB INTERNATIONAL.
- Southgate, V.R. & Rollinson, D. (1987) Natural history of transmission and schistosome interactions. pp. 347–378 in Rollinson, D. & Simpson, A.J.G. (Eds) *The biology of schistosomes: from genes to latrines*. London, Academic Press.

Citation of authors in the text should appear in the form: Polaszek (1990) or (Polaszek, 1990). More than one author should be cited in chronological order as: (Holloway *et al.*, 1987; Walker & Huddleston, 1988).

Offprints. 50 copies of each paper are provided free to the author (or major author) of each paper. Further copies may be obtained on payment, and the number required should be specified and ordered at proof stage.

Manuscript. Three copies of the manuscript, which must be in English or French (with an English summary) should be accompanied by a letter signed by *all* the authors and together with artwork submitted to:

The Editor
Journal of Helminthology
International Institute of Parasitology
395A Hatfield Road
St Albans, Herts
AL4 0XU, UK.

Journal of Helminthology

Research Papers

| | |
|--|-----|
| Beuria, M.K., Bal, M. & Das, M.K. Allergic reactivity and IgG subclasses to a proteinase fraction of <i>Setaria digitata</i> in filariasis | 181 |
| Borošková, Z., Šoltys, J. & Benková, M. Effect of mercury on the immune response and mean intensity of <i>Ascaris suum</i> infection in guinea pigs | 187 |
| Fujino, T., Fried, B. & Takamiya, S. Cytochemical localization of cytochrome c oxidase activity in mitochondria in the tegument and tegumental and parenchymal cells of the trematodes <i>Echinostoma trivolvis</i> , <i>Zygodontia solitaria</i> , <i>Schistosoma mansoni</i> , <i>Fasciola gigantica</i> and <i>Paragonimus ohirai</i> | 195 |
| Galaktionov, K.V. & Malkova, I.I. Changes in the excretory bladder ultrastructure during the morphogenesis of <i>Levinseniella brachysoma</i> metacercariae | 203 |
| Hrčková, G. & Velebný, S. Effects of free and liposomized praziquantel on worm burden and antibody response in mice infected with <i>Mesocostoides corti</i> tetrathyridia | 213 |
| Lee, J., Medlin, M.A. & Dunn, S.T. Histochemical characteristics of the metacercarial cyst wall of <i>Gynaecotyla adunca</i> | 223 |
| Molloy, S., Holland, C. & O'Regan, M. Population biology of <i>Pomphorhynchus laevis</i> in brown trout from two lakes in the west of Ireland | 229 |
| Molloy, S., Holland, C. & Poole, R. Metazoan parasite community structure in brown trout from two lakes in western Ireland | 237 |
| Sloss, B., Meece, J., Romano, M. & Nollen, P. The genetic relationships between <i>Echinostoma caproni</i> , <i>E. paraensei</i> , and <i>E. trivolvis</i> as determined by electrophoresis | 243 |
| Takahashi, Y., Goto, C. & Kita, K.K. Ultrastructural study of <i>Trichinella spiralis</i> with emphasis on adult female reproductive organs | 247 |
| Ursone, R.L. & Fried, B. Light microscopic observations of <i>Echinostoma caproni</i> metacercariae during <i>in vitro</i> excystation | 253 |

Research Notes

| | |
|--|-----|
| Chowdhury, N. & Singh, R. Distribution of cobalt in parasitic helminths | 259 |
| Fujino, T., Takahashi, Y. & Fried, B. A comparison of <i>Echinostoma trivolvis</i> and <i>E. caproni</i> using random amplified polymorphic DNA analysis | 263 |
| Takahashi, K. & Nakata, K. Note on the first occurrence of larval <i>Echinococcus multilocularis</i> in <i>Clethrionomys rex</i> in Hokkaido, Japan | 265 |
| Veith, M. & Erpelding, G. Presence of <i>Pomphorhynchus laevis</i> in <i>Salamandra salamandra</i> | 267 |
| Book Reviews | 269 |
| Errata | 270 |

© CAB INTERNATIONAL, 1995

All rights reserved. No part of this publication may be reproduced, in any form or by any means, electronically, mechanically, by photocopying, recording or otherwise, without prior permission of the copyright owner.