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Physiology of Parasites

Leslie H Chappell, University of Aberdeen

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There is currently increasing interest in parasitology, especially in those areas of the subject which are of immediate economic or medical relevance. In *Physiology of Parasites*, Leslie Chappell outlines the breadth of animal parasitology, using the term "parasite" to refer to those protozoans, platyhelminths, acanthocephalans and nematodes which inhabit, at some time during their life cycle, the body of another, larger animal – the host.

The book is an introduction to parasitology intended principally for undergraduate students of zoology or biology, especially those with limited previous knowledge of biochemistry and physiology. Students following appropriate courses in agriculture, veterinary science, medical parasitology, or tropical medicine will also find the book to be a highly suitable text.

Contents: Introduction. Feeding and nutritional physiology. Carbohydrate metabolism and energy production. Proteins, lipids and nucleic acids. Excretory systems, nitrogen excretion, water and ionic regulation. Reproduction. Parasite transmission. Establishment and growth of parasites. Nervous systems, sense organs and behavioural coordination. Host-parasite interactions. Further reading. Glossary. Appendix. Index.

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CONTENTS

	PAGE
NELLAIPPAN, K. and RAMALINGAM, K. Stabilization of egg-shell in <i>Paraplerurus sauridae</i> (Digenea: Hemiuridae)	1
SHAW, M. K. The ultrastructure of the epidermis of <i>Diplectanum aequans</i> (Monogenea)	9
MAKI, JUN and YANAGISAWA, TOSHIO. Acid phosphatase activity demonstrated in the nematodes, <i>Dirofilaria immitis</i> and <i>Angiostrongylus cantonensis</i> with special reference to the characters and distribution	23
MARTIN, JEAN. Scanning electron microscope studies of the small intestine of rats maintained on a low protein diet and infected with <i>Nippostrongylus brasiliensis</i>	39
KENNEDY, M. W. Effects of the host immune response on the longevity, fecundity and position in the intestine of <i>Trichinella spiralis</i> in mice	49
KENNEDY, M. W. Immunologically mediated, non-specific interactions between the intestinal phases of <i>Trichinella spiralis</i> and <i>Nippostrongylus brasiliensis</i> in the mouse	61
WARD, P. F. V. and HUSKISSON, N. S. The role of carbon dioxide in the metabolism of adult <i>Haemonchus contortus</i> , <i>in vitro</i>	73
KUSEL, J. R., STONES, L. and TETLEY, L. Damage to surface membrane of <i>Schistosoma mansoni</i> by pristane (2, 6, 10, 14 tetramethyl pentadecane) and other hydrophobic compounds	83
TAVARES, C. A. P., CORDEIRO, M. N., MOTA-SANTOS, T. A. and GAZZINELLI, G. Artificially transformed schistosomula of <i>Schistosoma mansoni</i> : mechanism of acquisition of protection against antibody-mediated killing	95
INFANTE, R. B., HERNANDEZ, A. G., RIGGIONE, F. and DAWIDOWICZ, K. A partial purification of leishmania amastigotes from cutaneous lesions, a new method	105
RAUTENBERG, P., REINWALD, E. and RISSE, H.-J. Evidence for Concanavalin A binding sites on the surface coat of <i>Trypanosoma congolense</i>	113
NANTULYA, V. M. and DOYLE, J. J. Studies on <i>Trypanosoma (nannomonas) congolense</i> III. Antigenic variation in three cyclically transmitted stocks	123
NANTULYA, V. M. and DOYLE, J. J. Studies on <i>Trypanosoma (nannomonas) congolense</i> IV. Experimental immunization of mice against tsetse fly challenge	133
MILDER, REGINA and KLOETZEL, JUDITH. The development of <i>Trypanosoma cruzi</i> in macrophages <i>in vitro</i> . Interaction with lysosomes and host cell fate	139
ABRAHAMSOHN, I. A. and KLOETZEL, J. K. Presence of <i>Trypanosoma cruzi</i> antigen on the surface of both infected and uninfected cells in tissue culture	147
SANDERSON, C. J., THOMAS, JENNIFER A. and TWOMEY, CHERYL E. The growth of <i>Trypanosoma cruzi</i> in human diploid cells for the production of trypomastigotes	153
LETCH, C. A. The life-cycle of <i>Trypanosoma cobitis</i> Mitrophanow 1883	163
MACKEY, L., PERRIN, L., LEEMANS, E. and LAMBERT, P. H. The diagnosis of malaria infection using a solid-phase radioimmunoassay for the detection of malaria antigens. Application to the detection of <i>Plasmodium berghei</i> infection in mice	171
VARGHESE, T. Coccidian parasites of birds of the avian order Columbiformes with a description of two new species of <i>Eimeria</i>	183
<i>Trends and Perspectives</i>	
RYLEY, JOHN F. Recent developments in coccidian biology; where do we go from here?	189

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