

Acanthamoeba Biology and Pathogenesis

Author: Naveed Khan (University of Nottingham, UK)

viii + 290 pp., February 2009

ISBN 978-1-904455-43-1 \$319/£159

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This book provides the first comprehensive review of *Acanthamoeba* research to be published. Everything that is known about *Acanthamoeba* is critically reviewed and divided into easy-to-follow sections. This book presents the current state of research on every aspect of this organism, detailing major advances in areas such as genomics, molecular and cellular biology, life cycles, geographical distribution, role in ecosystem, morphology, motility, phylogenetics, genotyping, metabolism, regulation of morphogenesis, host-parasite interactions, the molecular and immunological basis of pathogenesis, methods of transmission, epidemiology, clinical manifestation, diagnosis, treatment, new target development and drug resistance, as well as its role as a Trojan horse of the microbial world, including viral, bacterial, protozoal and fungal pathogens, and much more. There is a significant emphasis on our knowledge of *Acanthamoeba* infections that has grown in the molecular era. In addition, this book provides a historical perspective on *Acanthamoeba* research that will be of considerable interest.

This compilation will serve as an essential reference for microbiologists, immunologists, and physicians in the field of basic and medical microbiology, as well as an invaluable reference for new and experienced researchers who wish to understand this organism better. This book is the definitive guide to current research on this increasingly important organism.

Table of Contents

Section A: Biology and Phylogeny

• Introduction • Discovery of *Acanthamoeba* spp. • Ecology • Ecosystem • Cell biology • Nuclear genome • Mitochondrial genome • Motility • Molecular basis of motility • *Acanthamoeba* actin • *Acanthamoeba* myosin

Section B: Life cycle and Genotyping

• Life cycle • What is the best stage in *Acanthamoeba* cell division to induce encystation? • Encystation • Regulators of life cycle • What stimulates encystation? • Feeding • Metabolism • *Acanthamoeba* is a heterotroph (chemo-organotroph) • Isolation of *Acanthamoeba* from the environmental samples • Methods of encystation • Storage • Determination of the viability of trophozoites and cysts • Speciation and genotyping

Section C: *Acanthamoeba* infections

• Human infections • *Acanthamoeba* keratitis • Granulomatous amoebic encephalitis • Cutaneous Acanthamebiasis

Section D: Pathogenesis

• *Acanthamoeba* keratitis • Granulomatous amoebic encephalitis due to *Acanthamoeba* • An opportunist with pathogenic potential • Crossing the biological barriers • Cornea • Traversal of the blood-brain barrier • Direct virulence factors • Contact-dependent mechanisms • Contact-independent mechanisms • Indirect virulence factors

Section E: Immune response

• Non-specific immune system • Specific immune system • What are the basic types of parasite immune evasion strategies • Immune response in *Acanthamoeba* infections • Effect of immune suppressive component in marijuana, cannabinoid delta-9-tetrahydrocannabinol on granulomatous amoebic encephalitis due to *Acanthamoeba*

Section F: Strategies against *Acanthamoeba* infections

• Chemotherapeutic agents and *Acanthamoeba* • Membrane-acting agents • Inhibitors of DNA synthesis and polyamine metabolism • RNA synthesis inhibitors • Protein synthesis inhibitors • Tricyclic neuroleptic agents (calmodulin inhibition) • Artesunate • Antimicrobial compounds from natural products • Drug resistance in *Acanthamoeba* • Disinfectants and *Acanthamoeba* • Future prospects for treatment

Section G: *Acanthamoeba*: Trojan horse of the microbial world

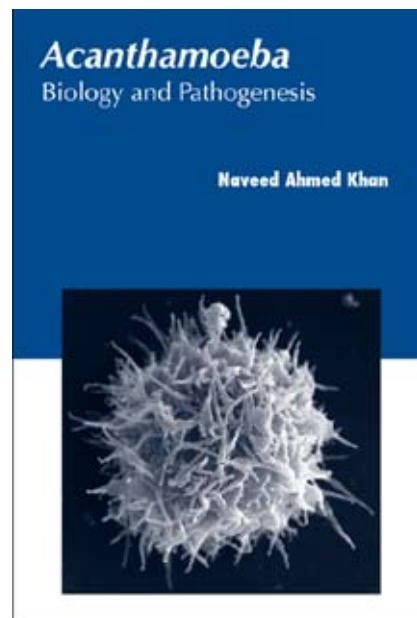
• A host for viruses • A host for yeast • A host for protozoa • *Acanthamoeba* and bacteria interactions

Section H: Conclusions and Future studies

• A model organism • New approaches in the study of *Acanthamoeba* • Future research

Section I: Bibliography

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