Brain-eating Amoebae: Biology and Pathogenesis of *Naegleria fowleri*
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Published June 2016
www.caister.com/naegleria
250 pp. £159, $319.

This book is an invaluable reference for everyone working in the field of basic and medical microbiology and a recommended acquisition for all parasitology, microbiology and medical libraries.

This concise book on *N. fowleri* serves as a quick guide for clinical practitioners, health professionals, researchers and students working with this parasite. Divided into easy-to-follow sections, the book covers all aspects of research into *N. fowleri* as an organism ranging from clinical and laboratory diagnosis to growth and life cycle. It is essential reading for all microbiologists, immunologists, physicians, public health officials and researchers (both new and experienced) involved with *N. fowleri*.

• Introduction: Introduction to *Naegleria*.  
• Chapter 1: Primary Amoebic Meningoencephalitis.  
• Chapter 2: Clinical and Laboratory Diagnosis.  
• Chapter 3: Chemotherapeutic and Disinfection Strategies.  
• Chapter 4: Pathogenesis.  
• Chapter 5: The Host-damage Response to *N. fowleri*.  
• Chapter 6: Cell Biology and Speciation.  
• Chapter 7: Cellular Differentiation in *N. fowleri*.  
• Chapter 8: Growth and Life Cycle.  
• Chapter 9: Ecology.  
• Chapter 10: War of the Microbial Worlds.  
• Chapter 11: Conclusions and Future Studies.
**Acanthamoeba: Biology and Pathogenesis** (2nd edition)

Author: Naveed Ahmed Khan (2015)

www.caister.com/acanthamoeba2

x + 334 pp. £159, $319.


"comprehensive review" (Book News); "comprehensive handbook ... as well as an invaluable reference" (Fungal Diversity)

This new edition is an essential reference text for parasitologists, 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. It begins with a section dedicated to the fundamentals of veterinary parasitology and ends with a section on the prevention of parasitic infections and the control of parasitic diseases. In-between are sections on important parasitic infections in livestock organized by the parasite agents - helminths, protozoa and arthropods - plus a section on diagnostic parasitology. This book is an essential reference for veterinary students, practicing veterinarians and researchers in the field of parasitology.

**Essentials of Veterinary Parasitology**

Edited by: Hany M. Elsheikha and Naveed Ahmed Khan (2011)

www.caister.com/veterinary-parasitology

x + 222 pp. £99, $169.

Book: 978-1-904455-80-6, 978-1-904455-79-0

"excellent, accurate and up to date ... an essential tool" (Aus. Vet. J.); "an indispensable acquisition" (Acta Parasitologica); "It is worth buying" (Vet. Para.); "Students will love this book" (VIN)

An up-to-date resource for students and practicing veterinarians on how to recognize, diagnose and treat parasitic diseases in livestock and companion animals. Featuring full-colour illustrations and a user friendly layout, it begins with a section dedicated to the fundamentals of veterinary parasitology and ends with a section on the prevention of parasitic infections and their control. This book is an essential reference for veterinary students, practicing veterinarians and researchers in the field of parasitology.

**Malaria Parasites: Comparative Genomics, Evolution and Molecular Biology**

Edited by: Jane M. Carlton, S.L. Perkins and K.W. Deitsch (2013)

www.caister/malaria

x + 280 pp. £159, $319.


"an essential and eminently accessible resource" (Parasites and Vectors)

The wealth of genome sequence data has provided researchers with a powerful new tool, comparative genomics, which has revolutionised research in this area. In this book, expert authors from around the world comprehensively review the current advances in Plasmodium comparative genomics, highlighting the fascinating new insights into parasite evolution and molecular biology that have ensued. The book is essential reading for every researcher working with malaria parasites and related organisms, from the PhD student to the experienced scientist, and is a recommended text for all parasitologists.

**Leishmania: Current Biology and Control**

Edited by: Subrata Adak and Rupak Datta (2015)

www.caister.com/leish2

x + 242 pp. £159, $319.


"an excellent reference" (Doodys); "a useful guide" (Fungal Diversity)

In this timely book respected Leishmania experts distil the important current research highlighting the most insightful discoveries in the field. Topics covered include: modulation of host miRNA; heat shock proteins; iron in the Leishmania-macrophage interaction; oxidative and nitrosative stress responses; cell death; strategies for immune evasion; STAT signalling; parasite modulation of toll-like receptors in macrophages; T cells in Leishmania infection; vaccine biology; inhibitors of Leishmania DNA topoisomerases; and mechanism of drug resistance in visceral Leishmaniasis. An essential text for everyone in the Leishmania community and recommended for researchers working in related fields.

**A Gentile Guide to a runner-up**

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