

**A Century of Parasitology: Past and Present** by John Janovy , Gerald Esch

**Price \$120.00** Hardcover: 368 pages  
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**Molecular Parasitology: Genomes, Proteomes, Glycomes and Lipidomes 1st ed.**  
**2016 Edition**

by Julia Walochnik (Editor), Michael Duchêne (Editor)

Product Details  
Hardcover: 400 pages  
Publisher: Springer; 1st ed. 2016 edition (April 23, 2016)  
Language: English  
ISBN-10: 3709114152  
ISBN-13: 978-3709114155 Price: \$209.00

In the past years, genome projects for numerous human parasites have been completed and now allow first in depth comparisons and evolutionary conclusions. The genomes of parasites reflect the coevolution with their host, metabolic capacities depending on their respective habitat in the host. Gut parasites have an anaerobic metabolism, while blood parasites have an aerobic metabolism, intracellular parasites escape the immune system, while extracellular parasites evade the immune system, usually by antigenic variation. Comprehensive genome data now being available allow us to address profound scientific questions, such as which traits enable the parasite to survive in the human host, which to cause disease and which can be used as drug targets? This book intends to give an overview of the state of knowledge on “the molecules” of parasites – on their genomes, proteomes, glycomes and lipidomes.

## Host Manipulations by Parasites and Viruses (Parasitology Research Monographs)

1st ed. 2015 Edition

by Heinz Mehlhorn (Editor)

### Product Details

Series: Parasitology Research Monographs (Book 7)

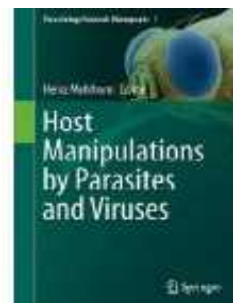
Hardcover: 192 pages

Publisher: Springer; 1st ed. 2015 edition (November 20, 2015)

Language: English

ISBN-10: 3319229354

ISBN-13: 978-3319229355 Price: \$189.00



This edited volume focuses on parasite-host relationships and the behavioral changes parasites may trigger in their hosts. Parasites have developed strategies which enhance their chances to find a host to survive inside its body and to become most easily transmitted to one another. Many of these parasites influence the host's behavior by various mechanisms, so that the rate of their transmissions to further hosts becomes considerably enhanced in comparison to that of non-influenced specimens of the same host species. A broad number of recent studies elucidate more and more examples in an extreme spectrum of host-parasite relationships, where successful transmission and /or survival of a parasite inside a host is based on parasite-derived behavioral manipulations of the hosts. In the literature, an increasing numbers of papers appear which prove that these behavioral alterations are based on complicated psychoimmunologic, neuropharmacologic and genomically steered mechanisms. Researchers working in parasitology or behavioral sciences will find this work thought-provoking, instructive and informative.

## Symbiont (Parasitology) Paperback – October 13, 2015

by Mira Grant (Author)

### Product Details

Series: Parasitology

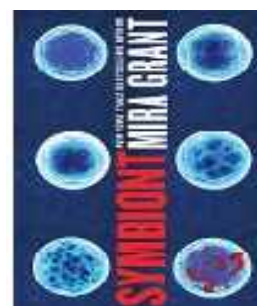
Paperback: 544 pages

Publisher: Orbit; Reprint edition (October 13, 2015)

Language: English

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ISBN-13: 978-0316219013 Price: \$15.99



THE ENEMY IS INSIDE US.

The SymboGen designed tapeworms were created to relieve humanity of disease and sickness. But the implants in the majority of the world's population began attacking their hosts, turning them into a ravenous horde.

## **Blastocystis: Pathogen or Passenger?: An Evaluation of 101 Years of Research (Parasitology Research Monographs) 2012th Edition**

by Heinz Mehlhorn (Editor), Kevin S. W. Tan (Editor), Hisao Yoshikawa (Editor)

### Product Details

Series: Parasitology Research Monographs (Book 4)

Paperback: 228 pages

Publisher: Springer; 2012 edition (January 28, 2015)

Language: English

ISBN-10: 3642433065

ISBN-13: 978-3642433061 Price: \$219.00



The stages of Blastocystis have been known for 101 years. However, many facts are still disputed, e.g. even the question whether it is a true pathogen or a commensal present in sometimes life-threatening diarrheas. The present book evaluates in chapters contributed by renowned researchers the latest findings on:

\*Landmarks in the discovery of Blastocystis \*Epidemiology, transmission and zoonotic potential \*Morphology of human and animal Blastocystis isolates \*Clinical aspects of Blastocystis infections \*Behavioral decision analysis: what makes us sick? \*Blastocystis-host interactions \*Molecular approaches on the systematical position \*Genetic polymorphism \*Blastocystis from a statistical point of view \*Diarrheas due to different agents of disease \*Zoonotic diseases in comparison As such, this book provides a broad range of information for people working in this field, for physicians and veterinarians who are confronted with clinical cases, teachers, students and technical staff members in the fields of microbiology, parasitology and diagnostic methods.