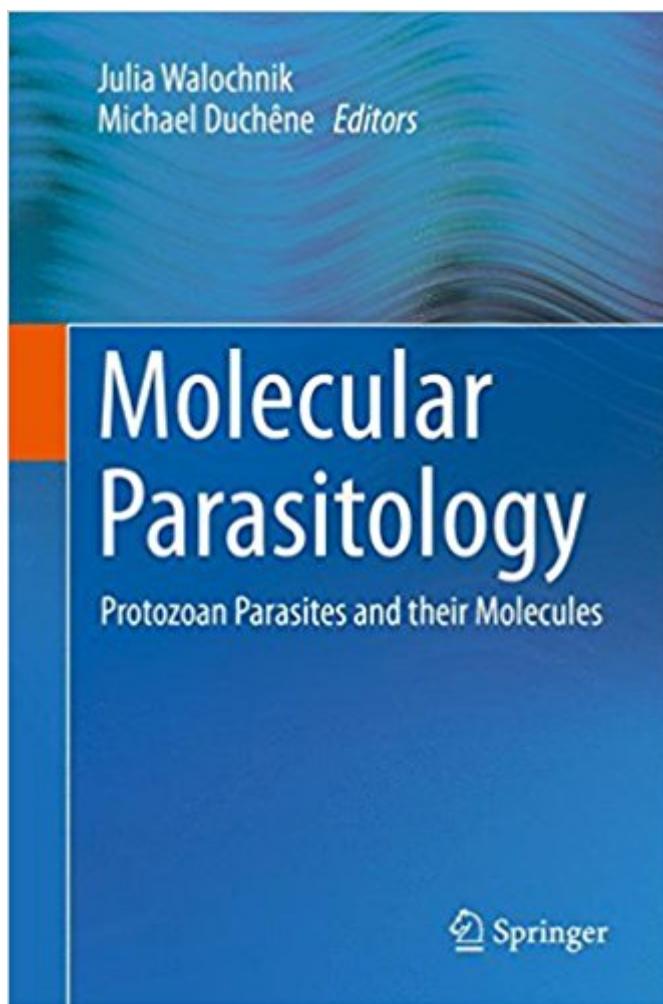


The book was found

Molecular Parasitology: Protozoan Parasites And Their Molecules



Synopsis

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 usually 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 protozoan parasites – on their genomes, proteomes, glycomes and lipidomes.

Book Information

Hardcover: 547 pages

Publisher: Springer; 1st ed. 2016 edition (October 21, 2016)

Language: English

ISBN-10: 3709114152

ISBN-13: 978-3709114155

Product Dimensions: 1.5 x 6.5 x 9.5 inches

Shipping Weight: 2 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #5,215,995 in Books (See Top 100 in Books) #92 in Books > Textbooks > Medicine & Health Sciences > Medicine > Clinical > Tropical Medicine #188 in Books > Medical Books > Medicine > Internal Medicine > Infectious Disease > Tropical Medicine #218 in Books > Textbooks > Medicine & Health Sciences > Medicine > Basic Sciences > Parasitology

Customer Reviews

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 usually 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 protozoan parasites – on their genomes, proteomes, glycomes and lipidomes.

Julia Walochnik and Michael Ducháne are associate professors at the Institute of Specific Prophylaxis and Tropical Medicine in the Center for Pathophysiology, Infectiology and Immunology of the Medical University of Vienna. Julia Walochnik's work is focused on the molecular biology of Acanthamoeba spp. and other protozoan parasites. Together with her group she has published more than 130 scientific publications, including book chapters and reviews. Michael Ducháne studies the biochemistry and molecular biology of *Entamoeba histolytica*. Further interests are allergens and antigenic structures of bacteria. Together with his students and collaborators, he has published more than 90 scientific publications plus several book chapters.Â Â Â

[Download to continue reading...](#)

Molecular Parasitology: Protozoan Parasites and their Molecules 33 Ways To Get Rid of Parasites: How To Cleanse Parasites For People and Pets With All Natural Methods Atoms, Molecules and Optical Physics 2: Molecules and Photons - Spectroscopy and Collisions (Graduate Texts in Physics) Molecules of Murder: Criminal Molecules and Classic Cases Parasites, People, and Places: Essays on Field Parasitology Nanoparticles in the Fight Against Parasites (Parasitology Research Monographs) Georgis' Parasitology for Veterinarians - E-Book (Georgi's Parasitology For Veterinarians) Veterinary Clinical Parasitology Veterinary Clinical Parasitology Modern Parasitology: A Textbook of Parasitology Electrochemotherapy, Electrogenetherapy, and Transdermal Drug Delivery: Electrically Mediated Delivery of Molecules to Cells (Methods in Molecular Medicine) Nematode Parasites of Vertebrates: Their Development and Transmission Three-Dimensional Electron Microscopy of Macromolecular Assemblies: Visualization of Biological Molecules in Their Native State Cellular and Molecular Immunology: with STUDENT CONSULT Online Access, 7e (Abbas, Cellular and Molecular Immunology) Cellular and Molecular Immunology, 8e (Cellular and Molecular Immunology, Abbas) Bacteriophages: Methods and Protocols, Volume 2: Molecular and Applied Aspects (Methods in Molecular Biology) Hemoglobin Disorders: Molecular Methods and Protocols (Methods in Molecular Medicine, Vol. 82) Molecular Simulation Studies on Thermophysical Properties: With Application to Working Fluids (Molecular Modeling and Simulation) Molecular Biology (WCB Cell & Molecular Biology) Current Topics in Computational Molecular Biology (Computational Molecular Biology) Molecular Visions (Organic, Inorganic, Organometallic)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)