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Advances in Plasmodium Research and Application: 2013 Edition Cambridge University Press

Malaria has defeated previous efforts at eradication and remains a massive global public health problem despite being readily preventable and treatable. It is a devastating disease that also extracts huge economic costs from the poorest countries in endemic regions. Starting with an overview of the disease and its current political, financial and technical context, this Milestones in Drug Therapy volume describes the history, chemistry, mechanisms of action and resistance, preclinical and clinical use, pharmacokinetics and safety and tolerability of the current range of antimalarial drugs. There is particular emphasis on artemisinins and related peroxides, as these drugs have now become the frontline treatment for malaria. Next generation antimalarials, molecular markers for detecting resistance, the importance of diagnostics and disease prevention are also covered in detail.

Advances in Malaria Research National Academies Press

Admittedly, the world and the nature of forced migration have changed a great deal over the last two decades. The relevance of data accumulated during that time period can now be called into question. The roundtable and the Program on Forced Migration at the Mailman School of Public Health of Columbia University have commissioned a series of epidemiological reviews on priority public health problems for forced migrants that will update the state of knowledge. Malaria Control During Mass Population Movements and Natural Disasters- the first in the series, provides a basic overview of the state of knowledge of epidemiology of malaria and public health interventions and practices for controlling the disease in situations involving forced migration and conflict.

Bench Aids for the Diagnosis of Malaria Infections Academic Press

The Plasmodium spp. parasite was identified as the causative agent of malaria in 1880, and the mosquito was identified as the vector in 1897. Despite subsequent efforts focused on the epidemiology, cell biology, immunology, molecular biology, and clinical manifestations of malaria and the Plasmodium parasite, there is still no licensed vaccine for the prevention of malaria. Physical barriers (bed nets, window screens) and chemical prevention methods (insecticides and mosquito repellents) intended to interfere with the transmission of the disease are not highly effective, and the profile of resistance of the parasite to chemoprophylactic and chemotherapeutic agents is increasing. The dawn of the new millennium has seen a resurgence of interest in the disease by government and philanthropic organizations, but we are still faced with complexities of the parasite, the host, and the vector, and the interactions among them. Malaria Methods and Protocols offers a comprehensive collection of protocols describing conventional and state-of-the-art techniques for the study of malaria, as well as associated theory and potential problems, written by experts in the field. The major themes reflected here include assessing the risk of infection and severity of disease, laboratory models, diagnosis and typing, molecular biology techniques, immunological techniques, cell biology techniques, and field applications.

Diagnosis of Malaria ScholarlyEditions

Infectious diseases are the leading cause of death globally, particularly among children and young adults. The spread of new pathogens and the threat of antimicrobial resistance pose particular challenges in combating these diseases. Major Infectious Diseases identifies feasible, cost-effective packages of interventions and strategies across delivery platforms to prevent and treat HIV/AIDS, other sexually transmitted infections, tuberculosis, malaria, adult febrile illness, viral hepatitis, and neglected tropical diseases. The volume emphasizes the need to effectively address emerging antimicrobial resistance, strengthen health systems, and increase access to care. The attainable goals are to reduce incidence, develop innovative approaches, and optimize existing tools in resource-constrained settings.

Advances in Plasmodium Research and Application: 2012 Edition ScholarlyEditions

Parasitic Diseases: Advances in Research and Treatment: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Parasitic Diseases. The editors have built Parasitic Diseases: Advances in Research and Treatment: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Parasitic

Diseases in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Parasitic Diseases: Advances in Research and Treatment: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>. Current Topics in Malaria Academic Press First published in 1963, Advances in Parasitology contains comprehensive and up-to-date reviews in all areas of interest in contemporary parasitology. Advances in Parasitology includes medical studies of parasites of major influence, such as Plasmodium falciparum and trypanosomes. The series also contains reviews of more traditional areas, such as zoology, taxonomy, and life history, which shape current thinking and applications. The 2012 impact factor is 3.778. Informs and updates on all the latest developments in the field Contributions from leading authorities and industry experts Current Topics and Emerging Issues in Malaria Elimination ScholarlyEditions The Tropics are home to the greatest biodiversity in the world, but tropical species are at risk due to anthropogenic activities, mainly land use change, habitat loss, invasive species, and pathogens. Over the past 20 years, the avian malaria and related parasites (Order: Haemosporida) systems have received increased attention in the tropical regions from a diverse array of research perspectives. However, to date no attempts have been made to synthesize the available information and to propose new lines of research. This book provides such a synthesis by not only focusing on the antagonistic interactions, but also by providing conceptual chapters on topics going from avian haemosporidians life cycles and study techniques, to chapters addressing current concepts on ecology and evolution. For example, a chapter synthesizing basic biogeography and ecological niche model concepts is presented, followed by one on the island biogeography of avian haemosporidians. Accordingly, researchers and professionals interested in these antagonistic interaction systems will find both an overview of the field with special emphasis on the tropics, and access to the necessary conceptual framework for various topics in ecology, evolution and systematics. Given its conceptual perspective, the book will appeal not only to readers interested in avian haemosporidians, but also to those more generally interested in the ecology, evolution and systematics of host-parasite interactions. Advances in Falciparum Malaria Research and Treatment: 2011 Edition ScholarlyEditions First published in 1963, Advances in Parasitology contains comprehensive and up-to-date reviews in all areas of interest in contemporary parasitology. Advances in Parasitology includes medical studies on parasites of major influence, such as Plasmodium falciparum and trypanosomes. The series also contains reviews of more traditional areas, such as zoology, taxonomy, and life history, which shape current thinking and applications. Eclectic volumes are supplemented by thematic volumes on various topics, including control of human parasitic diseases and global mapping of infectious diseases. The 2010 impact factor is 1.683. Informs and updates on all the latest developments in

the field Contributions from leading authorities and industry experts Treatment and Prevention of Malaria Macmillan + ORM

This book describes how malaria both frustrates and facilitates life for Indigenous Palawan communities living in the forested foothills of the municipality of Bataraza on the island of Palawan in the Philippines. Tracing the arc of malaria on the archipelago from colonial encounters to the present day, it examines the ways in which malaria parasites have become entangled in contemporary lives. It uniquely explores the experiences of local government leaders working towards sustainably developing this last ecological frontier, health workers trying to meet international targets to eliminate malaria, and Palawan people trying to keep their bodies, social relations and the cosmos in careful balance. In exquisite detail, Dr Dalia Iskander shows how malaria emerged from, and was intrinsic to, a whole host of strategically-orientated social practices that were enacted in as well as around the disease's name, as people worked day-to-day to gain power in different guises in different arenas.

The Primate Malaria Springer Science & Business Media

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Hunter's Tropical Medicine and Emerging Infectious Diseases E-Book Karger Medical and Scientific Publishers

Rodent Malaria reviews significant findings concerning malaria parasites of rodents, including their taxonomy, zoogeography, and evolution, along with life cycles and morphology; genetics and biochemistry; and concomitant infections. This volume is organized into eight chapters and begins by sketching out the history of the discovery of rodent as well as aspects of parasitology, immunology, and chemotherapy. These concepts are investigated two decades following Ignace Vincke's major discovery and Meir Yoeli's successful establishment of the method of cyclical transmission of the parasite. The following chapters focus on the taxonomy and systematics of the subgenus Vinckeia, with reference to the concepts of species and subspecies of animals and the degree to which they apply to malaria parasites, in particular to those of rodents. The discussion then shifts to how the rodent malaria parasites provide a unique insight into the subcellular organization of Plasmodium species, the use of rodent malaria as an experimental model to study immunological responses, and infectious agents that interact with malaria parasites. The book concludes with a chapter on malaria chemotherapy, with emphasis on the value of rodent malaria in antimalarial drug screening and the use of antimalarial drugs as biological probes. This book will be of interest to protozoologists and physicians as well as those from other disciplines including biochemistry, immunology,

pharmacology, cell biology, and genetics. [The Long Struggle against Malaria in Tropical Africa](#) Springer Nature
Between 300-500 million people are infected with malaria each year, and more than one million, mainly children, die from the disease. These laboratory bench aids are aimed at health workers responsible for diagnosing malaria by microscopic examination of blood films, but will also be useful as teaching aids. The bench aids present photomicrographs, with explanatory text, that show many of the possible variations of malaria parasites. *Saving Lives, Buying Time* Springer Science & Business Media
Malaria is making a dramatic comeback in the world. The disease is the foremost health challenge in Africa south of the Sahara, and people traveling to malarious areas are at increased risk of malaria-related sickness and death. This book examines the prospects for bringing malaria under control, with specific recommendations for U.S. policy, directions for research and program funding, and appropriate roles for federal and international agencies and the medical and public health communities. The volume reports on the current status of malaria research, prevention, and control efforts worldwide. The authors present study results and commentary on the: Nature, clinical manifestations, diagnosis, and epidemiology of malaria. Biology of the malaria parasite and its vector. Prospects for developing malaria vaccines and improved treatments. Economic, social, and behavioral factors in malaria control.

Saving Lives, Buying Time World Health Organization
Malaria: New Insights for the Healthcare Professional: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Malaria. The editors have built Malaria: New Insights for the Healthcare Professional: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Malaria in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Malaria: New Insights for the Healthcare Professional: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Malaria Control and Elimination Program in the People's Republic of China Routledge
For more than 50 years, low-cost antimalarial drugs silently saved millions of lives and cured billions of debilitating infections. Today, however, these drugs no longer work against the deadliest form of malaria that exists throughout the world. Malaria deaths in sub-Saharan Africa are currently just over one million per year are rising because of increased resistance to the old, inexpensive drugs. Although effective new drugs called "artemisinins" are available, they are unaffordable for the majority of the affected population, even at a cost of one dollar per course. *Saving Lives, Buying Time: Economics of Malaria Drugs in an Age of Resistance* examines the history of malaria treatments, provides an overview of the current drug crisis, and offers recommendations on maximizing access to and effectiveness of antimalarial drugs. The book finds that most people in endemic countries will not have access to currently effective combination treatments, which

should include an artemisinin, without financing from the global community. Without funding for effective treatment, malaria mortality could double over the next 10 to 20 years and transmission will intensify.

Encyclopedia of Malaria Springer Nature
Advances in Parasitology serial highlights new advances in the field with this new volume presenting interesting chapters. Each chapter is written by an international board of authors. Provides the authority and expertise of leading contributors from an international board of authors Presents the latest release in Advances in Parasitology serials pdated release includes the latest information on Accomplishment of Malaria Elimination in the People's Republic of China **Parasitic Diseases: Advances in Research and Treatment: 2011 Edition** National Academies Press

Malaria is one of the most important tropical diseases in the history of the world. This vector-borne disease has been a significant cause of morbidity and mortality in tropical countries of Africa, Asia, and Latin America. As such, this book provides updated information on epidemiological and public health research of malaria conducted in the last decade. Over four sections, chapters discuss such topics as diagnosis, epidemiology and surveillance, policy and prevention, and vector control and vaccines.

The Fever National Academies Press
Advances in Plasmodium Research and Application: 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Plasmodium falciparum. The editors have built Advances in Plasmodium Research and Application: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Plasmodium falciparum in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Advances in Plasmodium Research and Application: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Principles of Medicine in Africa Elsevier
As malaria and other tropical diseases continue their resurgence, questions about the potential impacts of environmental and demographic factors are becoming more critical. Recent attempts to understand the increase in malaria incidence often acknowledge the importance of social, economic and other contextual variables, but fail to explicitly incorporate them into models or consider how they evolve in relation to one another. This problem is of crucial interest to the climate policy community, which has been buffeted by claims and counter-claims concerning the impact of climate change on malaria. This important volume examines the contextual determinants of malaria and attempts to develop methods for incorporating them into projections of future incidence. Internationally renowned health specialists, economists, and other social scientists provide regional and global perspectives on risk modeling, the history of eradication efforts, current determinants (including environmental, social, and economic factors), and prospects for new vaccines and drugs. The Contextual Determinants of Malaria argues that an association of climate change with increased malaria incidence will have at least as much to do with human aging, poverty, urbanization, and population movement as with a rise in global temperatures. By placing climate in this perspective, The Contextual Determinants of Malaria focuses attention on the public health needs most critical in both the immediate and long-term future. It encourages multidisciplinary analysis of malaria control, and improves our understanding of the interactions of the diverse range of factors involved in the incidence and spread of the disease.

[Malaria](#) ScholarlyEditions
New emerging diseases, new diagnostic modalities for resource-poor settings, new

vaccine schedules ... all significant, recent developments in the fast-changing field of tropical medicine. Hunter's Tropical Medicine and Emerging Infectious Diseases, 10th Edition, keeps you up to date with everything from infectious diseases and environmental issues through poisoning and toxicology, animal injuries, and nutritional and micronutrient deficiencies that result from traveling to tropical or subtropical regions. This comprehensive resource provides authoritative clinical guidance, useful statistics, and chapters covering organs, skills, and services, as well as traditional pathogen-based content. You'll get a full understanding of how to recognize and treat these unique health issues, no matter how widespread or difficult to control. Includes important updates on malaria, leishmaniasis, tuberculosis and HIV, as well as coverage of Ebola, Zika virus, Chikungunya, and other emerging pathogens. Provides new vaccine schedules and information on implementation. Features five all-new chapters: Neglected Tropical Diseases: Public Health Control Programs and Mass Drug Administration; Health System and Health Care Delivery; Zika; Medical Entomology; and Vector Control - as well as 250 new images throughout. Presents the common characteristics and methods of transmission for each tropical disease, as well as the applicable diagnosis, treatment, control, and disease prevention techniques. Contains skills-based chapters such as dentistry, neonatal pediatrics and ICMI, and surgery in the tropics, and service-based chapters such as transfusion in resource-poor settings, microbiology, and imaging. Discusses maladies such as delusional parasitosis that are often seen in returning travelers, including those making international adoptions, transplant patients, medical tourists, and more.