
Journal Of Malaria Research And Treatment

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Current Topics in Malaria

SHANNON MARSHALL

Antimalarial Quinolines: Advances in Research and Application: 2011 Edition

National Academies Press
Malaria is one of the most important OC emergingOCO or OC resurgentOCO infectious diseases. According to the World Health Organization, this mosquito-borne infection is a leading cause of suffering, death, poverty, and underdevelopment in the world today. Every year 500 million people become severely ill from malaria and more than a million people die, the great majority of them women and children living in sub-Saharan Africa. In 2008, it was estimated, a child would die of the disease every thirty seconds, making malaria OCo together with HIV/AIDS and tuberculosis OCo a global public health emergency. This is in stark contrast to the heady visions of the 1950s predicting complete global eradication of the ancient scourge. What went wrong?. This question warrants a closer look at not just the disease itself, but its long history and the multitude of strategies to combat its spread. This book collects the many important milestones in malaria control and treatment in one convenient volume. Importantly, it also traces the history of the disease from the 1920s to the present, and over several continents. It is the first multidisciplinary volume of its kind combining historical and scientific information that addresses the global challenge of malaria control. Malaria remains as resurgent as ever and *The Global Challenge of Malaria: Past Lessons and Future Prospects* will examine this challenge OCo and the range of strategies and tools to confront

it OCo from an interdisciplinary and transnational perspective. Contents: Lessons of History: Malaria in America (Margaret Humphreys); Technological Solutions: The Rockefeller Insecticidal Approach to Malaria Control, 1920OCO1950 (Darwin H Stapleton); Malaria Control and Eradication Projects in Tropical Africa, 1945OCO1965 (James L A Webb, Jr); The Use and Misuse of History: Lessons from Sardinia (Frank M Snowden); Popular Education and Participation in Malaria Control: A Historical Overview (Socrates Litsios); Scientific, Medical, and Public Health Perspectives: The Contribution of the Gambia to Malaria Research (Brian Greenwood); InsecticideOCO Treated Bednets and Malaria Control: Strategies, Implementation, and Outcome (Harry V Flaster, Emily Mosites, and Brian G Blackburn); The Scientific and Medical Challenge of Malaria (Tiffany Sun and Richard Bucala). Readership: Historians of medicine; research scientists; clinicians, especially in the specialties of tropical medicine and infectious diseases; public health officials; environmentalists; and students in public health and history of medicine programs; general readers interested in contemporary issues of global health." *Towards Malaria Elimination* BoD - Books on Demand
Contributors from the health sciences, climate research, public policy, and other fields synthesize the current understanding of how climate change is impacting the prevalence of malaria, why the disease has been eradicated in some parts of the world but persists or has re-emerged in others, successful intervention techniques, and factors that allow them to be transferred effectively from one setting to others. The 21 studies are from a May 2000

international workshop in Lausanne, Switzerland. Annotation copyrighted by Book News, Inc., Portland, OR

Malaria Research in Southeast Asia
Resources for the Future

Our understanding of the pathogenic mechanisms of the malaria parasite has accumulated over the years with the advent of genomic knowledge playing a crucial role. Although great strides have been made in the field of malaria research, malaria still remains one of the most important public health issues in the world. Years ago, malaria was eradicated in some countries but global warming is playing a part in the spectacular re-emergence of malaria in some of these countries. There is still no effective vaccine, although some research has provided interesting data and anti-malaria drug resistance is the time bomb that has the potential of detonating the field of malaria research. Funder fatigue is now derailing the progress made over the years, which makes the field of malaria research look a bit gloomy. This book reviews the most important findings associated with malaria research over the couple of years with a timely overview. The topics covered include historical perspectives of the field of Malariology, life cycle of the parasite, recent advances in the epidemiology of malaria, pathogenesis with sub topics such as the parasite and immune system, virulence factors and clinical manifestations analysed in detail. The updated anti-malarial drug treatment, development and resistance are also discussed in detail. Finally, the social and economic burdens of malaria are looked at and various potential control strategies are put forward. This book will be essential to everyone interested in infectious diseases.

Malaria World Scientific

This book focuses on "malaria", specifically covering the overview of malarial research in Southeast Asia, the area with a high prevalence of this disease. Clinical aspects, scientific laboratory aspects, public health aspects, as well as the social sciences relating to this important tropical disease observed and studied in Southeast Asia, are the focus of this important and timely book. In addition, the diagnostic guideline and clinical practice guidelines of the above-mentioned conditions are presented.

The Long Struggle against Malaria in Tropical Africa John Wiley & Sons

Malaria remains a leading cause of morbidity and mortality worldwide. Children in Africa and selected regions of Asia and Southern America are especially widely affected. Written by expert research teams, this book describes different aspects of the epidemiology, pathobiology, diagnosis, prevention, and treatment of malaria. Chapters highlight current research as well as the gold standards for diagnosis and treatment of the disease, examining recent advances, remaining pitfalls, and novel ideas about prophylaxis and therapy.

Advances in Falciparum Malaria Research and Treatment: 2011 Edition
Nova Publishers

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.

Advances in Plasmodium Research and Application: 2013 Edition BoD – Books on Demand

Malaria is an infectious disease common to several parts of the world, including Africa, northern South America, and Asia. During their service in the military, U.S. active members may be sent to any part of the world, including parts of the world where Malaria is an issue. In Liberia in 2003, for example, there was a 28 percent attack rate in Marines who spent a short time ashore, and half of the 80 Marines affected needed to be evacuated to Germany. This was not only costly to the U.S. military but dangerous as well. To fight against this disease, there exists a Malaria Vaccine program in the U.S. military. However, there exists a variety of potential vaccine targets for the most severe and important form of malaria; malaria from the species *Plasmodium falciparum*. Issues also arise with the fact that there are three possible stages to create vaccines against-preerythrocytic, blood, or transmission. The Department of Defense (DoD), through the commanding general of the U.S. Army Medical Research and Materiel Command (USAMRMC), requested that the Institute of Medicine (IOM) conduct a programmatic review of the military *Plasmodium falciparum* malaria vaccine

research and development program. There was to be a focus on vaccine against the preerythrocytic and blood stages. The IOM formed a committee of 11 experts with collective expertise in malaria vaccine research, parasite immunology, malarial biology, clinical trials and regulatory affairs, industrial and public-sector vaccine development, biologic products research and development (vaccinology), military research and development programs, tropical medicine, and public health. The committee focused different tasks including determining whether the DoD malaria vaccine research and development program is scientifically sound and able to achieve the vaccine program objectives within specified timelines, recommending how to overcome significant, identified barriers, and identifying major strategic goals and timelines based on the material received and presentations made by the DoD's program representatives. *Battling Malaria: Strengthening the U.S. Military Malaria Vaccine Program* presents the committee's findings, current malaria vaccines, and recommendations for the development of the U.S. Military vaccine research.

Current Topics and Emerging Issues in Malaria Elimination ScholarlyEditions *Advances in Falciparum Malaria Research and Treatment / 2012 Edition* is a ScholarlyPaper™ that delivers timely, authoritative, and intensively focused information about Falciparum Malaria in a compact format. The editors have built *Advances in Falciparum Malaria Research and Treatment / 2012 Edition* on the vast information databases of ScholarlyNews.™ You can expect the information about Falciparum Malaria in this eBook to be deeper than what you can access anywhere else, as

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Advances in Malaria Research

National Academies Press
Parasitic Diseases—Advances in Research and Treatment: 2013 Edition is a ScholarlyBrief™ that delivers timely, authoritative, comprehensive, and specialized information about Protozoan Infections in a concise format. The editors have built Parasitic Diseases—Advances in Research and Treatment: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Protozoan Infections in

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The Journal of the National Malaria Society is a fascinating collection of articles, reports, and minutes from the leading authority on malaria research and control in the United States. This publication provides a unique insight into the scientific and medical developments, as well as the social and cultural aspects of malaria, over several decades. This work has been selected by scholars as being culturally important, and is part of the knowledge base of civilization as we know it. This work is in the "public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

Parasitic Diseases—Advances in Research and Treatment: 2013 Edition

Hassell Street Press

Over the past ten years, many powerful new techniques have been developed that have dramatically changed malaria research. The second edition of *Malaria: Methods and Protocols* expands upon the previous edition with current, detailed techniques for laboratory research. With new chapters on parasite culture techniques, genome manipulation methods, 'omic' approaches, and techniques for studying the biology of the red blood cell and pre-erythrocytic stages of *Plasmodium*. Written in the highly successful *Methods in Molecular Biology* series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Authoritative and practical, *Malaria: Methods and Protocols, Second Edition*, offers a comprehensive set of standard techniques for laboratory researchers.

Journey Through the World of Malaria
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 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

Malaria ScholarlyEditions

Despite extensive efforts to control it, malaria is still one of the most devastating infectious diseases worldwide. This book, now in its second edition, provides a broad and up-to-date overview of the rapidly expanding field of malaria immunology and its importance in the control of this disease. The first section deals with the malaria parasite and its interactions with both the vertebrate host and the mosquitoes which transmit the disease. In the second part, the mechanisms of immunity and their regulation by environmental and genetic factors are discussed. Finally, this volume contains several chapters on malaria vaccine development, describing the application of the most recent vaccine technologies as well as ongoing and planned vaccine trials. Authored by well-recognized experts, this volume not only demonstrates the rapid progress being made in the search for vaccines against malaria, but also broadens our understanding of immunity to infection in general. It is therefore highly recommended reading for all scientists and professionals in the fields of immunology, infection and vaccine development.

Malaria: New Insights for the Healthcare Professional: 2012 Edition

Nova Publishers

Towards Malaria Elimination - A Leap Forward was started to mark the occasion for renewed commitment to end malaria transmission for good (the WHO's call for "Malaria Free World" by 2030). This book is dedicated for the benefit of researchers, scientists, program and policy managers, students and anyone interested in malaria and other mosquito-borne diseases with the goal of sharing recent information on

success stories, innovative control approaches and challenges in different regions of the world. Some main issues that emerged included multidrug-resistant malaria and pandemic risk, vaccines, cross-border malaria, asymptomatic parasite reservoir, the threat of *Plasmodium vivax* and *Plasmodium knowlesi*, insecticide resistance in *Anopheles* vectors and outdoor malaria transmission. This book is one little step forward to bring together in 17 chapters the experiences of malaria-expert researchers from five continents to present updated information on disease epidemiology and control at the national/regional level, highlighting the constraints, challenges, accomplishments and prospects of malaria elimination.

Journal of the National Malaria Society; 7 Springer Science & Business Media Malaria: New Insights for the Healthcare Professional / 2012 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 / 2012 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 / 2012 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

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More information is available at <http://www.ScholarlyEditions.com/>. Malaria Control During Mass Population Movements and Natural Disasters World Bank Publications

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 "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.

Malaria: New Insights for the Healthcare Professional: 2011 Edition

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