

Malaria

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Malaria is a vector-borne infectious disease caused by protozoan parasites. It is widespread in tropical and subtropical regions, including parts of the Americas, Asia, and Africa. Each year, it causes disease in approximately 515 million people and kills between one and three million people, the majority of whom are young children in Sub-Saharan Africa. Malaria is commonly associated with poverty, but is also a cause of poverty and a major hindrance to economic development. Malaria is one of the most common infectious diseases and an enormous public health problem. The disease is caused by protozoan parasites of the genus *Plasmodium*. Only four types of the *Plasmodium* parasite can infect humans; the most serious forms of the disease are caused by *Plasmodium falciparum* and *Plasmodium vivax*, but other related species can also affect humans. This group of human-pathogenic *Plasmodium* species is usually referred to as malaria parasites. Malaria parasites are transmitted by female *Anopheles* mosquitoes. The parasites multiply within red blood cells, causing symptoms that include symptoms of anemia, as well as other general symptoms such as fever, chills, nausea, flu-like illness, and in severe cases, coma and death. Malaria transmission can be reduced by preventing mosquito bites with mosquito nets and insect repellents, or by mosquito control measures such as spraying insecticides inside houses and draining standing water where mosquitoes lay their eggs. Although some are under development, no vaccine is currently available for malaria; preventative drugs must be taken continuously to reduce the risk of infection. These prophylactic drug treatments are often too expensive for most people living in endemic areas. Most adults from endemic areas have a degree of long-term recurrent infection and also of partial resistance; the resistance reduces with time and such adults may become susceptible to severe malaria if they have spent a significant amount of time in non-endemic areas. They are strongly recommended to take full precautions if they return to an endemic area. Malaria infections are treated through the use of antimalarial drugs, such as quinine or artemisinin derivatives, although drug resistance is increasingly common. ([From the Wikipedia article Malaria](#) .)

Recent Publications on Malaria:



- [An autologous falciparum vaccine using the erythrocyte's band 3 molecule.](#)
Protection against the serious complications of falciparum malaria is... 21st November, 2009
Manatee Memorial Hospital, 206 2(nd) Street East, Bradenton, FL 34209,- Med Hypotheses. 2009 Nov 17. ([DOI Direct Link](#))
- [Pharmacogenetics of antimalarial drugs: effect on metabolism and transport.](#)
The prevention and management of malaria is primarily based on the use of... 21st November, 2009
Pharmacogenetics, Dr Margarete Fischer-Bosch Institute of Clinical- Lancet Infect Dis. 2009 Dec;9(12):760-774. ([DOI Direct Link](#))
- [Structure and mechanism in salivary proteins from blood-feeding arthropods.](#)
The saliva of blood-feeding arthropods contains rich mixtures of ligand... 21st November, 2009

- Laboratory of Malaria and Vector Research, National Institute of Allergy- Toxicon. 2009 Nov 16. ([DOI Direct Link](#))
- [Microparticle-mediated gene delivery for the enhanced expression of a 19-kDa fragment of merozoite surface protein 1 of Plasmodium falciparum.](#)
*The 19 kDa carboxyl-terminal fragment of merozoite surface protein 1...*20th November, 2009
 Bio Engineering Laboratory (BEL), Department of Chemical Engineering,- Biotechnol Prog. 2009 Nov 18. ([DOI Direct Link](#))
 - [Visualisation and Quantitative Analysis of the Rodent Malaria Liver Stage by Real Time Imaging.](#)
*The quantitative analysis of Plasmodium development in the liver in...*20th November, 2009
 Department of Medical Microbiology, Radboud University Nijmegen Medical- PLoS One. 2009 Nov 18;4(11):e7881. ([DOI Direct Link](#))
 - [Impact of RTS,S/AS02\(A\) and RTS,S/AS01\(B\) on Genotypes of P. falciparum in Adults Participating in a Malaria Vaccine Clinical Trial.](#)
*OBJECTIVE: RTS,S, a candidate vaccine for malaria, is a recombinant...*20th November, 2009
 Walter Reed Project, Kenya Medical Research Institute, Kisumu, Kenya.- PLoS One. 2009 Nov 17;4(11):e7849. ([DOI Direct Link](#))
 - [Malaria: Evolution in vector control.](#)
*OBJECTIVE: RTS,S, a candidate vaccine for malaria, is a recombinant...*20th November, 2009
 Yannis Michalakis and Francois Renaud are in the Laboratoire de Genetique- Nature. 2009 Nov 19;462(7271):298-300. ([DOI Direct Link](#))
 - [New 1-Aryl-3-Substituted Propanol Derivatives as Antimalarial Agents.](#)
*This paper describes the synthesis and in vitro antimalarial activity...*20th November, 2009
 Unidad en Investigacion y Desarrollo de Medicamentos, Centro de- Molecules. 2009 Oct 14;14(10):4120-4135. ([DOI Direct Link](#))
 - [α-Tocopherol transfer protein inhibition is effective in the prevention of cerebral malaria in mice.](#)
*BACKGROUND: Nutritional status likely plays an important role in...*20th November, 2009
 Research Unit for Functional Genomics, National Research Center for- Am J Clin Nutr. 2009 Nov 18. ([DOI Direct Link](#))
 - [The rise and fall of supervision in a project designed to strengthen supervision of Integrated Management of Childhood Illness in Benin.](#)
*OBJECTIVE In developing countries, supervision is a widely recognized...*20th November, 2009
 Malaria Branch (AKR), and Parasitic Diseases Branch (MSD), Division of- Health Policy Plan. 2009 Nov 18. ([DOI Direct Link](#))
 - [Population structure analyses and demographic history of the malaria vector Anopheles albimanus from the Caribbean and the Pacific regions of Colombia.](#)
*ABSTRACT: BACKGROUND: Anopheles albimanus is an important malaria vector...*20th November, 2009
 - Malar J. 2009 Nov 19;8(1):259. ([DOI Direct Link](#))
 - [The relationship of Plasmodium falciparum humoral immunity with HIV-1 immunosuppression and treatment efficacy in Zambia.](#)
*ABSTRACT: BACKGROUND: HIV-1 infection affects malaria humoral immunity...*20th November, 2009
 - Malar J. 2009 Nov 18;8(1):258. ([DOI Direct Link](#))
 - [A Clinical Trial of the Traditional Medicine Vernonia amygdalina in the Treatment of Uncomplicated Malaria.](#)
*Abstract Background: The leaves of the shrub Vernonia amygdalina Del...*20th November, 2009
 1 Primary Health Care, South Rwenzori Diocese , Kasese, Uganda .- J Altern Complement Med. 2009 Nov;15(11):1231-1237. ([DOI Direct Link](#))
 - [Identification of cultivation condition to produce correctly folded form of a malaria vaccine based on Plasmodium falciparum merozoite surface protein-1 in Escherichia coli.](#)
*The C-terminal, 19-kDa domain of Plasmodium falciparum merozoite surface...*19th November, 2009
 Malaria Research Group, International Centre for Genetic Engineering and- Bioprocess Biosyst Eng. 2009 Nov 18. ([DOI Direct Link](#))
 - [Antiplasmodial activity and toxicity of crude extracts from alternatives parts of plants widely used for the](#)

[treatment of malaria in Burkina Faso: contribution for their preservation.](#)

In order to prevent the destruction of the ecology and to sustain the... 19th November, 2009

Centre National de Recherche et de Formation sur le Paludisme,- Parasitol Res. 2009 Nov 18. ([DOI Direct Link](#))

BioNews Results for Malaria

- [Life Sciences: Research from University of Oxford, Wellcome Trust Center for Human Genetics yields new findings on life sciences](#)
NewsRX: Nov 21 2009 5:48AM Matching: malaria
- [News outlets examine malaria drug resistance, hope for malaria eradication in Africa](#)
News-Medical.Net: Nov 21 2009 4:34AM Matching: malaria
- [Antimalarial drug resistance endangers malarial control measures](#)
News-Medical.Net: Nov 20 2009 7:08AM Matching: malaria
- [Sanofi-aventis, MMV to launch largest antimalarial drug study](#)
PharmaBiz: Nov 20 2009 9:14AM Matching: malaria
- [Vaccines on Horizon for AIDS, Alzheimer's, herpes](#)
PharmaceuticalProcessing: Nov 20 2009 8:23PM Matching: malaria
- [AIDS, UTI, Herpes Vaccines May Exist In 5 Years](#)
CBS3 Philadelphia: Nov 20 2009 7:55PM Matching: malaria
- [Small nanoparticles bring big improvement to medical imaging](#)
PhysOrg.com: Nov 20 2009 6:11PM Matching: malaria
- [Vaccines boost bottom line for drug firms](#)
STLtoday.com: Nov 20 2009 5:30PM Matching: malaria
- [Pfizer, DNDi Partner To Identify NTD Drugs; Sanofi-Aventis, Medicines For Malaria Launch Drug Study](#)
Medical News Today: Nov 20 2009 4:58PM Matching: malaria
- [Two antimalaria drugs are tolerated regimens in regions with resistance](#)
Modern Medicine: Nov 20 2009 4:54PM Matching: malaria
- [Medical News: Pfizer, DNDi Partner To Identify NTD Drugs; Sanofi-Aventis, Medicines For Malaria Launch Drug Study](#)
BioFind: Nov 20 2009 3:58PM Matching: malaria
- [Medical News: Pfizer, DNDi Partner To Identify NTD Drugs; Sanofi-Aventis, Medicines For Malaria Launch Drug Study](#)
BioFind: Nov 20 2009 3:56PM Matching: malaria
- [AIDS, UTI, Herpes Vaccines May Exist In 5 Years](#)
WJZ: Nov 20 2009 2:14PM Matching: malaria
- [Sanofi-aventis and Medicines for Malaria Venture to launch the largest ever study of an antimalarial drug](#)
MDLinx: Nov 20 2009 12:15PM Matching: malaria
- [AIDS, UTI, Herpes Vaccines May Exist In 5 Years](#)
WFOR: Nov 20 2009 11:21AM Matching: malaria



Malaria Patents:

- 7601844- [Piperidinyl derivatives as modulators of chemokine receptor activity](#)
- 7608425- [Methods for protein expression in mammalian cells in serum-free medium](#)
- 7608427- [Polynucleotide encoding an IL-28B polypeptide](#)
- 7608428- [Polynucleotide encoding an IL-28B polypeptide](#)
- 7608433- [Method of detection of classical swine fever](#)
- 7608589- [Peptidyl diacylglycerides](#)
- 7608603- [Substituted pyrazolo\[3,4-D\]pyrimidines as p38 MAP kinase inhibitors](#)
- 7608684- [Soluble CD14 antigen](#)
- 7611712- [Immunogenic compositions capable of eliciting Th1 immune responses comprising an HIV-1 MA myristate binding site polypeptide](#)
- 7611713- [Inducing cellular immune responses to hepatitis B virus using peptide compositions](#)
- 7611840- [Method and device for the treatment of biological samples](#)
- 7608393- [Methods of predicting a benefit of antioxidant therapy for prevention of cardiovascular disease in hyperglycemic patients](#)
- 7608277- [Tuberculosis nucleic acids, polypeptides and immunogenic compositions](#)
- 7608267- [Multifunctional cytokines](#)
- 7604732- [Environmentally-neutral processing with condensed phase cryogenic fluids](#)
- 7604802- [Method of obtaining cellular immune responses from proteins](#)
- 7604814- [Method of removing ticks from the epidermal tissue of humans and other mammals](#)
- 7605138- [Nucleic acid compositions for stimulating immune responses](#)
- 7605143- [2-propynyl adenosine analogs with modified 5'-ribose groups having A.sub.2A agonist activity](#)
- 7605233- [Tumour necrosis factor binding ligands](#)
- 7605236- [Antibodies that immunospecifically bind to B lymphocyte stimulator protein](#)
- 7605238- [Human CTLA-4 antibodies and their uses](#)
- 7605239- [Skeletal-targeted radiation to treat bone-associated pathologies](#)
- 7605273- [Aryl-substituted pyrazole-amide compounds useful as kinase inhibitors](#)
- 7611853- [Assay to screen for anti-malarials](#)
- 7611858- [Detection of cannabinoid receptor biomarkers and uses thereof](#)
- 7615556- [Piperazinyl derivatives as modulators of chemokine receptor activity](#)
- 7615612- [Polypeptide](#)
- 7615618- [Oligonucleotides comprising a non-phosphate backbone linkage](#)
- 7615672- [Process for the preparation of n-heneicosane](#)
- 7618632- [Method of treating or ameliorating an immune cell associated pathology using GITR ligand antibodies](#)
- 7618657- [Active ingredients preparation and single compound purification from traditional Chinese herbal medicine Fructus Trichosanthis and uses thereof](#)
- 7618661- [Process for preparation of Rhus verniciflua extracts having excellent anti-cancer activity and anti-cancer pharmaceutical composition containing the same](#)
- 7618778- [Producing, cataloging and classifying sequence tags](#)
- 7618975- [4-arylamino-quinazolines and analogs as activators of caspases and inducers of apoptosis and the use thereof](#)
- 7619057- [MHC class II restricted T cell epitopes from the cancer antigen, NY ESO-1](#)
- 7615530- [Immunogenic compositions and methods of use](#)
- 7615381- [Method and apparatus for detecting estradiol and metabolites thereof using an acoustic](#)

[device](#)

- 7615227- [Use of CpG oligodeoxynucleotides to induce angiogenesis](#)
- 7611879- [27877, 18080, 14081, 32140, 50352, 16658, 14223, 16002, 50566, 65552 and 65577 molecules and uses therefor](#)
- 7611896- [Practical serological assay for the clinical diagnosis of Leishmaniasis](#)
- 7611908- [Method and apparatus for therapeutic drug monitoring using an acoustic device](#)
- 7612073- [Methods of administering tetrahydrobiopterin, associated compositions, and methods of measuring](#)
- 7612080- [GTPase inhibitors and use thereof for controlling platelet hyperactivity](#)
- 7612093- [Compositions of treating hepatitis virus infections with N-substituted-1,5-dideoxy-1,5-imino-D-glucitol compounds in combination therapy](#)
- 7612100- [Anthranilamides, process for the production thereof, and pest controllers containing the same](#)
- 7612170- [Co-stimulatory polypeptides](#)
- 7612181- [Dual variable domain immunoglobulin and uses thereof](#)
- 7612182- [Anti-IL-6 antibodies, compositions, methods and uses](#)
- 7619091- [8-hydroxy quinoline derivatives](#)

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