

# Trypanosomiasis

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Trypanosomiasis is the name of the several diseases in vertebrates caused by parasitic protozoan trypanosomes of the genus *Trypanosoma*. The disease may also be called trypanosomosis but there is no greater authority for either; both terms are widely used in publication. More than 66 million women, men, and children in 36 countries of sub-Saharan Africa suffer from human African trypanosomiasis and 21000 deaths per year associated with Chagas' disease. There are two forms of African sleeping sickness, caused by two related parasites: \* *Trypanosoma brucei gambiense*\* *Trypanosoma brucei rhodesiense* ([From the Wikipedia article Trypanosomiasis](#).)



## Recent Publications on Trypanosomiasis:

- [Investigation of Trypanothione Reductase as a Drug Target in \*Trypanosoma brucei\*.](#)  
*There is an urgent need for new drugs for the treatment of tropical...*20th November, 2009  
Drug Discovery Unit, College of Life Sciences, University of Dundee, Sir- ChemMedChem. 2009 Nov 18. ([DOI Direct Link](#))
- [Distribution and Density of Tsetse Flies \(Glossinidae: Diptera\) at the Game/People/Livestock Interface of the Nkhotakota Game Reserve Human Sleeping Sickness Focus in Malawi.](#)  
*In large parts sub-Saharan Africa, tsetse flies, the vectors of African...*20th November, 2009  
Centre for Ticks and Tick-Borne Diseases, Lilongwe, Malawi.- Ecohealth. 2009 Nov 19. ([DOI Direct Link](#))
- [Brucellosis presenting as pyrexia of unknown origin in an international traveller: a case report.](#)  
*INTRODUCTION: In this era of globalization frequent traveling across the...*18th November, 2009  
Department of Medicine, All India Institute of Medical Sciences New Delhi,- Cases J. 2009 Sep 1;2:7969. ([DOI Direct Link](#))
- [Characteristics of the smallholder free-range pig production system in western Kenya.](#)  
*Free-range pig farming is common amongst the small-scale farmers in...*17th November, 2009  
Trypanosomiasis Research Centre-KARI, P.O. Box 362, Kikuyu, Kenya,- Trop Anim Health Prod. 2009 Nov 15. ([DOI Direct Link](#))
- [Identification of a Parasitic Immunomodulatory Protein Triggering the Development of Suppressive M1 Macrophages during African Trypanosomiasis.](#)  
*Development of classically activated macrophages (M1 cells) is a...*17th November, 2009  
Department of Molecular and Cellular Interactions, Vlaams Institute voor- J Infect Dis. 2009 Dec 15;200(12):1849-1860. ([DOI Direct Link](#))
- [A luciferase based viability assay for ATP detection in 384- well format for high throughput whole cell screening of \*Trypanosoma brucei brucei\* bloodstream form strain 427.](#)  
*ABSTRACT: BACKGROUND: Human African Trypanosomiasis (HAT) is caused by two...*17th

November, 2009

- Parasit Vectors. 2009 Nov 12;2(1):54. ([DOI Direct Link](#))

- [Specific Chemotherapy of Chagas Disease: Relevance, Current Limitations and New Approaches.](#)  
*A critical review of the development of specific chemotherapeutic...* 11th November, 2009  
Instituto Venezolano de Investigaciones Cientificas, Caracas, Venezuela.- Acta Trop. 2009 Nov 6. ([DOI Direct Link](#))
- [\[Prevalence of american tripanosomiasis in pregnant women from a health area of Valencia, Spain: 2005-2007\]](#)  
*BACKGROUND: The Chagas disease, an endemic illness in Latin America, is an...* 7th November, 2009  
Servicio de Medicina Preventiva, Hospital Clinico Universitario de- Rev Esp Salud Publica. 2009 Jul-Aug;83(4):543-55.
- [East African trypanosomiasis in a pregnant traveler.](#)  
*BACKGROUND: The Chagas disease, an endemic illness in Latin America, is an...* 7th November, 2009  
- Emerg Infect Dis. 2009 Nov;15(11):1866-7.
- [Divergent antimicrobial peptide \(AMP\) and acute phase protein \(APP\) responses to Trypanosoma congolense infection in trypanotolerant and trypanosusceptible cattle.](#)  
*African animal trypanosomiasis (AAT) is endemic across Sub-Saharan African...* 6th November, 2009  
Animal Bioscience Centre, Teagasc, Grange, Co. Meath, Ireland.- Mol Immunol. 2009 Nov 2. ([DOI Direct Link](#))
- [Tripartite interactions between tsetse flies, Sodalis glossinidius and trypanosomes-An epidemiological approach in two historical human African trypanosomiasis foci in Cameroon.](#)  
*Epidemiological surveys were conducted in two historical human African...* 3rd November, 2009  
University of Yaounde I, Faculty of Science, BP 812, Yaounde, Cameroon;- Infect Genet Evol. 2009 Oct 29. ([DOI Direct Link](#))
- [Binding of nitrogen-containing bisphosphonates \(N-BPs\) to the Trypanosoma cruzi farnesyl diphosphate synthase homodimer.](#)  
*Bisphosphonates (BPs) are a class of compounds that have been used...* 31st October, 2009  
Department of Biophysics and Biophysical Chemistry, Johns Hopkins- Proteins. 2009 Sep 17. ([DOI Direct Link](#))
- [Trypanocidal drugs: mechanisms, resistance and new targets.](#)  
*The protozoan parasites Trypanosoma brucei and Trypanosoma cruzi are the...* 30th October, 2009  
Queen Mary Pre-Clinical Drug Discovery Group, School of Biological and- Expert Rev Mol Med. 2009 Oct 29;11:e31. ([DOI Direct Link](#))
- [Molecular identification of T. brucei s.l. in tsetse flies after long-term permanence in field traps.](#)  
*BACKGROUND: Tsetse flies (Glossina spp.) are responsible for the...* 28th October, 2009  
Unidade de Clinica das Doencas Tropicais and Centro de Malaria e outras- J Infect Dev Ctries. 2009 Oct 24;3(9):735-8.
- [\[Human African Trypanosomiasis in mangrove epidemiologic area. Presentation, diagnosis and treatment in Guinea, 2005-2007.\]](#)  
*Gambiense human African trypanosomiasis is still assumed to be endemic in...* 27th October, 2009  
Centre medicosocial, ambassade de France, BP 351, Conakry, Guinee.- Pathol Biol (Paris). 2009 Oct 23. ([DOI Direct Link](#))

## BioNews Results for Trypanosomiasis

- [East African Trypanosomiasis in a Pregnant Traveler](#)  
*Center for Disease Control and Prevention: Oct 23 2009 11:30PM Matching: trypanosomiasis*





## Trypanosomiasis Patents:

- 7495023- [Thio semicarbazone and semicarbozone inhibitors of cysteine proteases and methods of their use](#)
- 7517893- [Bichalcophenes and their prodrugs as antiprotozoal agents](#)
- 7521424- [Albumin fusion proteins](#)
- 7521584- [Carotenoid analogs or derivatives for the inhibition and amelioration of disease](#)
- 7534455- [Herbal composition PHY906 and its use in chemotherapy](#)
- 7534571- [Diagnostic and prognostic compounds and method](#)
- 7541434- [Polypeptide for a TRP channel family member, TRP-PLIK2, and splice variants](#)
- 7542959- [Feature selection method using support vector machine classifier](#)
- 7547728- [Treating muscle wasting with selective androgen receptor modulators](#)
- 7553866- [Thiolactones](#)
- 7556939- [Identification and characterization of racemases, definition of protein signatures, and a test for detecting D-amino acid and for screening molecules capable of inhibiting the activity of racemase, especially proline racemase](#)
- 7517890- [GTPase inhibitors and methods of use](#)
- 7517520- [Packaging of immunostimulatory oligonucleotides into virus-like particles: method of preparation and use](#)
- 7517440- [Electrokinetic delivery systems, devices and methods](#)
- 7498027- [Methods of treatment using human tumor necrosis factor receptor TR17 antibodies](#)
- 7501123- [Human G-protein chemokine receptor \(CCR5\) HDGMR10](#)
- 7501234- [Stress proteins and uses therefor](#)
- 7501408- [Inhibitors of cathepsin S](#)
- 7504105- [Treatment using antibodies to cytokine receptor common gamma chain like](#)
- 7504481- [TRP channel family member, LTRPC3 polypeptides](#)
- 7504501- [Antiprotozoal imidazopyridine compounds](#)
- 7507413- [Albumin fusion proteins](#)
- 7507414- [Albumin fusion proteins](#)
- 7507755- [Inhibitors of cathepsin s](#)
- 7557140- [Carbamic acid compounds comprising a sulfonamide linkage as HDAC inhibitors](#)
- 7566465- [Artemisinins in the clinical and veterinary management of kinetoplastid infections](#)
- 7595192- [Process for the production of temperature-induced tumor cell lysates for use as immunogenic compounds](#)
- 7598067- [PDEs and uses thereof](#)
- 7598230- [Nucleotide mimics and their prodrugs](#)
- 7598348- [Adiponectin receptor variant, AdipoR2v2](#)
- 7601702- [Dutpase Inhibitors](#)
- 7601745- [Heterocyclic NF-kB inhibitors](#)
- 7604795- [Nanoparticles for protein drug delivery](#)
- 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](#)
- 7612080- [GTPase inhibitors and use thereof for controlling platelet hyperactivity](#)
- 7595038- [Methods of treatment using antibodies to follistatin-3](#)
- 7592449- [Structural carotenoid analogs for the inhibition and amelioration of disease](#)

- 7592010- [Albumin fusion proteins](#)
- 7566798- [Platinum complexes and methods of use](#)
- 7569225- [Immunogenic lipopeptides comprising T-helper and B-cell epitopes](#)
- 7569384- [Albumin fusion proteins](#)
- 7569724- [Carbamic acid compounds comprising an amide linkage as HDAC inhibitors](#)
- 7572618- [Polynucleotides encoding novel PCSK9 variants](#)
- 7579009- [Whole bacterial cells as immune modulator](#)
- 7579324- [Conjugates of biologically active compounds, methods for their preparation and use, formulation and pharmaceutical applications thereof](#)
- 7582621- [Boron-containing small molecules](#)
- 7588774- [Molecules enhancing dermal delivery of influenza vaccines](#)
- 7588930- [Compositions and methods for enhancing the immunogenicity of antigens](#)
- 7619000- [S-dimethylarsino-thiosuccinic acid S-dimethylarsino-2-thiobenzoic acid S-\(dimethylarsino\) glutathione as treatments for cancer](#)

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