

OGUTU BERNHARDS RAGAMA

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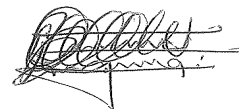
Current positions

Chief Research Officer : The Kenya Medical Research Institute (KEMRI)
Senior Clinical Trialist : INDEPTH-Network
Scientific Team leader : Centre for Research in Therapeutic Sciences -
Strathmore University (CREATES)

Responsibilities

1. Peer Reviewer of the East Africa Medical Journal, Tropical Medical and International Health and Malaria Journal, Malaria Journal, Vaccine Journal, Clinical Pharmacology Journal
2. **2009** : Vice Chair, Consortium for National Health Research, Kenya External Scientific Advisory Committee (ESAC)
3. **2009** : Member of the DSMB for the phase III studies on fluids in severely dehydrated children in Africa supported by Wellcome Trust.
4. **2009** : Member of MMV External Scientific Advisory Committee that annual reviews the programs clinical development portfolio and advice on the most appropriate programs to implement
5. **2009** : Reviewer for the EDCTP senior fellowship grants awards
6. **2009** : Chair of DSMB for ferroquine Development by Sanofi Aventis
7. **2008-2009** :Chair of the MMV's Pediatric Antimalarial Combination Therapy (PACT) Advisory Committee (PACT) that advises Medicines for Malaria Venture (MMV) and their partners on the R&D and access & delivery strategies in antimalarial treatment of children and to ensure that the largest group afflicted by malaria –infants and children is prioritized
8. **2007** : Founder member & President of the East African Chapter of the Association of Clinical Research Professionals since.
9. **2007** : A member of the Expert Committee on Clinical Trials (ECCT) of the Pharmacy and Poisons Board of the Ministry of Health, Kenya. This is the committee reviews all clinical trials that are supposed to take place in Kenya.
10. **2007** : Member of Board of Management of the Uzima College of Health Sciences, CUEA, Kisumu
11. **2006**: Senior Clinical Trialist, Malaria Clinical Trials Alliance (MCTA/INDEPTH), MCTA oversees the development of clinical trials capacity in 16 sites across sub-Saharan Africa with support of funding from the BMGF funding. Three of these sites are within KEMRI.
12. **2006** : Member of the Data and Safety Monitoring Board (DSMB) for the NIH funded antimalarial studies in Africa since
13. **2006** : Director & consultant pediatrician, Kondele Children's Hospital, CCR: KEMRI

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14. **2005** : Member of the KEMRI parasitic diseases committee
15. **2005** : A Member of WHO technical Committee on malaria vaccine evaluation and Malaria diagnostic development since.
16. **2002** : Member of the National Malaria Technical Committee, Kenya
17. **2002** : Lead Clinical Researcher KEMRI/Walter Reed Project, Kisumu

Education

- Postgraduate : June 1999 – Sept 2002. University of Nairobi, PhD (Clinical Pharmacology)
- Graduate : September 1995 – September 1998: University of Nairobi, Master of Medicine (MMed) (Paediatrics).
- Undergraduate : September 1986- September 1991. University of Nairobi, MBChB

SPECIFIC/TECHNICAL ACCOMPLISHMENTS

1. Board Certification, Licensure and Clinical Appointments

- Certified Physician Investigator 2007, ACRP
- Certified Facilitator 2008, ACRP
- Human Subject Protection, 2005, 2006, 2007, 2008
- Good Laboratory Practice (GLP) 2005, 2006
- Good Clinical Practices (GCP); 2003, 2004, 2005, 2006, 2007, 2008
- Good Laboratory Practice (GLP), 2005

Medical Licensure

- 1992 Kenya Medical and Dentist Practitioners Board – Medical Practitioner
- 2003 Kenya Medical and Dentist Practitioners Board – Paediatrician

Awards

1998 MIM-TDR/WHO, fellowship in clinical pharmacology

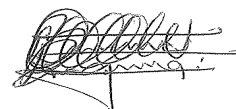
MEMBERSHIP TO PROFESSIONAL BODIES

- Kenya Medical Association
- Kenya Paediatric Association
- American Society of Tropical Medicine and Hygiene
- Association of Clinical Research Professionals

PUBLICATIONS:

1. Mwangoka G, **Ogutu B**, Msambichaka B, Mzee T, Salim N, Kafuruki S, Mpina M, Shekalaghe S, Tanner M, Abdulla S. Experience and challenges from clinical trials with malaria vaccines in Africa. Malar J. 2013 Mar 4;12:86

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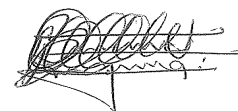
2. Idoko OT, Kochhar S, Agbenyega TE, **Ogutu B**, Ota MO. Impact, challenges, and future projections of vaccine trials in Africa. *Am J Trop Med Hyg.* 2013 Mar;88 (3):414-9.
3. Tiono AB, Ouédraogo A, **Ogutu B**, Diarra A, Coulibaly S, Gansané A, Sirima SB, O Neil G, Mukhopadhyay A, Hamed K. A controlled, parallel, cluster-randomized trial of community-wide screening and treatment of asymptomatic carriers of *Plasmodium falciparum* in Burkina Faso. *Malar J.* 2013 Feb 27;12 (1):79.
4. **Ogutu B**. Artemether and lumefantrine for the treatment of uncomplicated *Plasmodium falciparum* malaria in sub-Saharan Africa. *Expert Opin Pharmacother.* 2013 Apr;14 (5):643-54.
5. Otsyula N, Angov E, Bergmann-Leitner E, Koech M, Khan F, Bennett J, Otieno L, Cummings J, Andagalu B, Tosh D, Waitumbi J, Richie N, Shi M, Miller L, Otieno W, Otieno GA, Ware L, House B, Godeaux O, Dubois MC, **Ogutu B**, Ballou WR, Soisson L, Diggs C, Cohen J, Polhemus M, Heppner DG Jr, Ockenhouse CF, Spring MD. Results from tandem Phase 1 studies evaluating the safety, reactogenicity and immunogenicity of the vaccine candidate antigen *Plasmodium falciparum* FVO merozoite surface protein-1 (MSP142) administered intramuscularly with adjuvant system AS01. *Malar J.* 2013 Jan 23;12 (1):29.
6. Ye Y, Kyobutungi C, **Ogutu B**, Villegas L, Diallo D, Tinto H, Oduro A, Sankoh O. Malaria mortality estimates: need for agreeable approach. *Trop Med Int Health.* 2013 Feb;18 (2):219-21.
7. RTS,S Clinical Trials Partnership, Agnandji ST, Lell B, Fernandes JF, Aboosolo BP, Methogo BG, Kabwende AL, Adegnika AA, Mordmüller B, Issifou S, Kremsner PG, Sacarlal J, Aide P, Lanaspá M, Aponte JJ, Machevo S, Acacio S, Buló H, Sigauque B, Macete E, Alonso P, Abdulla S, Salim N, Minja R, Mpina M, Ahmed S, Ali AM, Mtoro AT, Hamad AS, Mutani P, Tanner M, Tinto H, D'Alessandro U, Sorgho H, Valea I, Bihoun B, Guiraud I, Kaboré B, Sombié O, Guiguemdé RT, Ouédraogo JB, Hamel MJ, Kariuki S, Onoko M, Odero C, Otieno K, Awino N, McMorroW M, Muturi-Kioi V, Laserson KF, Slutsker L, Otieno W, Otieno L, Otsyula N, Gondi S, Otieno A, Owira V, Oguk E, Odongo G, Woods JB, **Ogutu B**, Njuguna P, Chilengi R, Akoo P, Kerubo C, Maingi C, Lang T, Olotu A, Bejon P, Marsh K, Mwambingu G, Owusu-Agyei S, Asante KP, Osei-Kwakye K, Boahen O, Dosoo D, Asante I, Adjei G, Kwara E, Chandramohan D, Greenwood B, Lusingu J, Gesase S, Malabeja A, Abdul O, Mahende C, Liheluka E, Malle L, Lemnge M, Theander TG, Drakeley C, Ansong D, Agbenyega T, Adjei S, Boateng HO, Rettig T, Bawa J, Sylverken J, Sambian D, Sarfo A, Agyekum A, Martinson F, Hoffman I, Mvalo T, Kamthunzi P, Nkomo R, Tembo T, Tegha G, Tsidya M, Kilembe J, Chawinga C, Ballou WR, Cohen J, Guerra Y, Jongert E, Lapierre D, Leach A, Lievens M, Ofori-Anyinam O, Olivier A, Vekemans J, Carter T, Kaslow D, LeBoulleux D, Loucq C, Radford A, Savarese B, Schellenberg D, Sillman M, Vansadia P. A phase 3 trial of RTS,S/AS01 malaria vaccine in African infants. *N Engl J Med.* 2012 Dec 13;367 (24):2284-95.
8. Talisuna AO, Karema C, **Ogutu B**, Juma E, Logedi J, Nyandigisi A, Mulenga M, Mbacham WF, Roper C, Guerin PJ, D'Alessandro U, Snow RW. Mitigating the threat

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of artemisinin resistance in Africa: improvement of drug-resistance surveillance and response systems. *Lancet Infect Dis.* 2012 Nov;12 (11):888-96.

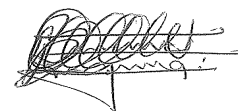
9. Kamau E, Alemayehu S, Feghali KC, Tolbert LS, **Ogutu B**, Ockenhouse CF. Development of a TaqMan Allelic Discrimination assay for detection of single nucleotides polymorphisms associated with anti-malarial drug resistance. *Malar J.* 2012 Jan 20;11:23
10. Bassat Q, González R, Machevo S, Nahum A, Lyimo J, Maiga H, Mårtensson A, Bashraheil M, Ouma P, Ubben D, Walter V, Nwaiwu O, Kipkeu C, Lefèvre G, **Ogutu B**, Menéndez C. Similar efficacy and safety of artemether-lumefantrine (Coartem®) in African infants and children with uncomplicated falciparum malaria across different body weight ranges. *Malar J.* 2011 Dec 16;10:369
11. Agnandji ST, Lell B, Soulanoudjingar SS, Fernandes JF, Aboosolo BP, Conzelmann C, Methogo BG, Doucka Y, Flamen A, Mordmüller B, Issifou S, Kremsner PG, Sacarlal J, Aide P, Lanaspa M, Aponte JJ, Nhamuave A, Quelhas D, Bassat Q, Mandjate S, Macete E, Alonso P, Abdulla S, Salim N, Juma O, Shomari M, Shubis K, Machera F, Hamad AS, Minja R, Mtoro A, Sykes A, Ahmed S, Urassa AM, Ali AM, Mwangoka G, Tanner M, Tinto H, D'Alessandro U, Sorgho H, Valea I, Tahita MC, Kaboré W, Ouédraogo S, Sandrine Y, Guiguemdé RT, Ouédraogo JB, Hamel MJ, Kariuki S, Odero C, Oneko M, Otieno K, Awino N, Omoto J, Williamson J, Muturi-Kioi V, Laserson KF, Slutsker L, Otieno W, Otieno L, Nekoye O, Gondi S, Otieno A, **Ogutu B**, Wasuna R, Owira V, Jones D, Onyango AA, Njuguna P, Chilengi R, Akoo P, Kerubo C, Gitaka J, Maingi C, Lang T, Olotu A, Tsofa B, Bejon P, Peshu N, Marsh K, Owusu-Agyei S, Asante KP, Osei-Kwakye K, Boahen O, Ayamba S, Kayan K, Owusu-Ofori R, Dosoo D, Asante I, Adjei G, Adjei G, Chandramohan D, Greenwood B, Lusingu J, Gesase S, Malabeja A, Abdul O, Kilavo H, Mahende C, Liheluka E, Lemnge M, Theander T, Drakeley C, Ansong D, Agbenyega T, Adjei S, Boateng HO, Rettig T, Bawa J, Sylverken J, Sambian D, Agyekum A, Owusu L, Martinson F, Hoffman I, Mvalo T, Kamthunzi P, Nkomo R, Msika A, Jumbe A, Chome N, Nyakuipa D, Chintedza J, Ballou WR, Bruls M, Cohen J, Guerra Y, Jongert E, Lapierre D, Leach A, Lievens M, Ofori-Anyinam O, Vekemans J, Carter T, Leboulleux D, Loucq C, Radford A, Savarese B, Schellenberg D, Sillman M, Vansadia P; RTS,S Clinical Trials Partnership. First results of phase 3 trial of RTS,S/AS01 malaria vaccine in African children. *N Engl J Med.* 2011 Nov 17;365 (20):1863-75.
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13. Steven E Kern, Alfred B Tiono, Michael Makanga, Adama Dodji Gbadoé, Zulfiqarali Premji, Oumar Gaye, Issaka Sagara, David Ubben, Marc Cousin, Fiyinfolu Oladiran, Oliver Sander, **Bernhards Ogutu**. Community screening and treatment of asymptomatic carriers of *Plasmodium falciparum* with artemether-lumefantrine to

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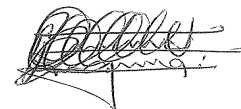
- reduce malaria disease burden: a modelling and simulation analysis. *Malar J.* 2011; 10: 210.
14. Robert N Maina, Douglas Walsh, Charla Gaddy, Gordon Hongo, John Waitumbi, Lucas Otieno, David Jones, **Bernhards R Ogutu**. Impact of *Plasmodium falciparum* infection on haematological parameters in children living in Western Kenya. *Malar J.* 2010; 9(Suppl 3).
 15. Joseph V. Woodring, **Bernhards Ogutu**, David Schnabel, John N. Waitumbi, Cara H. Olsen, Douglas S. Walsh, D. Gray Heppner, Jr., Mark E. Polhemus. Evaluation of Recurrent Parasitemia after Artemether-Lumefantrine Treatment for Uncomplicated Malaria in Children in Western Kenya. *Am J Trop Med Hyg.* 2010 September; 83(3): 458–464.
 16. Joanne Baker, Mei-Fong Ho, Anita Pelecanos, Michelle Gatton, Nanhua Chen, Salim Abdullah, Audrey Albertini, Frederic Arieu, John Barnwell, David Bell, Jane Cunningham, Djibrine Djalle, Diego F Echeverry, Dionicia Gamboa, Jeffery Hii, Myat Phone Kyaw, Jennifer Luchavez, Christopher Membi, Didier Menard, Claribel Murillo, Sina Nhem, **Bernhards Ogutu**, Pamela Onyor, Wellington Oyibo, Shan Qing Wang, James McCarthy, Qin Cheng. Global sequence variation in the histidine-rich proteins 2 and 3 of *Plasmodium falciparum*: implications for the performance of malaria rapid diagnostic tests. *Malar J.* 2010; 9: 129.
 17. **Bernhards R Ogutu**, Rita Baiden, Diadier Diallo, Peter G Smith, Fred N Binka. Sustainable development of a GCP-compliant clinical trials platform in Africa: the Malaria Clinical Trials Alliance perspective. *Malar J.* 2010; 9: 103.
 18. Jullien V, **Ogutu B**, Juma E, Carn G, Obonyo C, Kiechel JR.. Population Pharmacokinetics and Pharmacodynamic considerations of Amodiaquine and Desethylamodiaquine in Kenyan Adults with uncomplicated malaria receiving the Artesunate-Amodiaquine combination therapy. *Antimicrob Agents Chemother.* 2010 Apr 5.
 19. Borrmann S, Sallas WM, Machevo S, González R, Björkman A, Mårtensson A, Hamel M, Juma E, Peshu J, **Ogutu B**, Djimdé A, D'Alessandro U, Marrast AC, Lefèvre G, Kern SE. The effect of food consumption on lumefantrine bioavailability in African children receiving artemether-lumefantrine crushed or dispersible tablets (Coartem) for acute uncomplicated *Plasmodium falciparum* malaria. *Trop Med Int Health.* 2010 Feb 17.
 20. **Ogutu B**, Tiono AB, Makanga M, Premji Z, Gbadoe AD, Ubben D, Marrast AC, Gaye O. Treatment of asymptomatic carriers with artemether-lumefantrine: an opportunity to reduce the burden of malaria? *Malar J.* 2010 Jan 22;9(1):30.
 21. **Ogutu BR**. Malaria management-progress made and challenges still to face. *Malar J.* 2009 Oct 12;8 Suppl 1:S1.
 22. Polhemus ME, Remich SA, **Ogutu BR**, Waitumbi JN, Otieno L, Apollo S, Cummings JF, Kester KE, Ockenhouse CF, Stewart A, Ofori-Anyinam O, Ramboer I, Cahill CP, Lievens M, Dubois MC, Demoitie MA, Leach A, Cohen J, Ballou WR, Heppner DG Jr.

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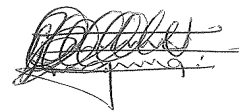
Evaluation of RTS,S/AS02A and RTS,S/AS01B in adults in a high malaria transmission area. PLoS One. 2009 Jul 31;4(7):e6465.

23. **Ogutu BR**, Apollo OJ, McKinney D, Okoth W, Siangla J, Dubovsky F, Tucker K, Waitumbi JN, Diggs C, Wittes J, Malkin E, Leach A, Soisson LA, Milman JB, Otieno L, Holland CA, Polhemus M, Remich SA, Ockenhouse CF, Cohen J, Ballou WR, Martin SK, Angov E, Stewart VA, Lyon JA, Heppner DG, Withers MR; MSP-1 Malaria Vaccine Working Group. Blood stage malaria vaccine eliciting high antigen-specific antibody concentrations confers no protection to young children in Western Kenya. PLoS ONE. 2009;4(3):e4708.
24. Juma EA, Obonyo CO, Akhwale WS, **Ogutu BR**. A randomized, open-label, comparative efficacy trial of artemether-lumefantrine suspension versus artemether-lumefantrine tablets for treatment of uncomplicated Plasmodium falciparum malaria in children in western Kenya. Malar J. 2008 Dec 22;7(1):262.
25. Premji ZG, Abdulla S, **Ogutu B**, Ndong A, Falade CO, Sagara I, Mulure N, Nwaiwu O, Kokwaro G. The content of African diets is adequate to achieve optimal efficacy with fixed-dose artemether-lumefantrine: a review of the evidence. Malar J. 2008 Nov 25;7:244.
26. Abdulla S, Sagara I, Borrmann S, D'Alessandro U, González R, Hamel M, **Ogutu B**, Mårtensson A, Lyimo J, Maiga H, Sasi P, Nahum A, Bassat Q, Juma E, Otieno L, Björkman A, Beck HP, Andriano K, Cousin M, Lefèvre G, Ubben D, Premji Z. Efficacy and safety of artemether-lumefantrine dispersible tablets compared with crushed commercial tablets in African infants and children with uncomplicated malaria: a randomised, single-blind, multicentre trial. Lancet. 2008 Oct 14.
27. Muchohi SN, Kokwaro GO, **Ogutu BR**, Edwards G, Ward SA, Newton CR. Pharmacokinetics and clinical efficacy of midazolam in children with severe malaria and convulsions. Br J Clin Pharmacol. 2008 Oct;66(4):529-38.
28. Lang T, Chilengi R, Noor RA, **Ogutu B**, Todd JE, Kilama WL, Targett GA. Data safety and monitoring boards for African clinical trials. Trans R Soc Trop Med Hyg. 2008 Jul 19.
29. Remich SA, Otieno W, Polhemus ME, **Ogutu B**, Walsh DS. Bullous erythema multiforme after treatment with Malarone, a combination antimalarial composed of atovaquone and proguanil hydrochloride. Trop Doct. 2008 Jul;38(3):190-1.
30. Polhemus ME, Remich S, **Ogutu B**, Waitumbi J, Lievens M, Ballou WR, Heppner DG Jr. Malaria treatment with atovaquone-proguanil in malaria-immune adults: implications for malaria intervention trials and for pre-exposure prophylaxis of malaria. Antimicrob Agents Chemother. 2008 Apr;52(4):1493-5.
31. Sadarangani M, Seaton C, Scott JA, **Ogutu B**, Edwards T, Prins A, Gatakaa H, Idro R, Berkley JA, Peshu N, Neville BG, Newton CR. Incidence and outcome of convulsive status epilepticus in Kenyan children: a cohort study. Lancet Neurol. 2008 Feb;7(2):145-50.



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34. Muchohi SN, Obiero K, Newton CR, **Ogutu BR**, Edwards G, Kokwaro GO. Pharmacokinetics and clinical efficacy of lorazepam in children with severe malaria and convulsions. *Br J Clin Pharmacol.* 2007 Jul 17.
35. Waitumbi JN, Kifude CM, Withers MR, Polhemus ME, Heppner DG Jr, **Ogutu BR**. Hb G-Philadelphia or Stanleyville II? When the phenotype and genotype do not agree. *Eur J Haematol.* 2007 Aug;79 (2):177-8.
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37. Idro R, Ndiritu M, **Ogutu B**, Mithwani S, Maitland K, Berkley J, Crawley J, Fegan G, Bauni E, Peshu N, Marsh K, Neville B, Newton C. Burden, features, and outcome of neurological involvement in acute falciparum malaria in Kenyan children. *JAMA.* 2007 May 23;297(20):2232-40.
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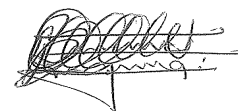
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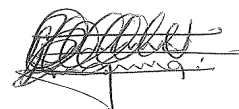


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1. Therapeutic Handbook for Malaria in Africa; First Edition 2009. ISBN IMEA: 978-2-9523708-2-6; ISBN DOIN: 978-2-7040-1269-5
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A handwritten signature in black ink, appearing to be 'Ogutu B. Ragama', located in the bottom right corner of the page.