

Career Intentions



My career goal is to be a pediatric researcher and clinician in public health, contributing to diminishing the burden of infectious diseases in children in Mozambique and other developing countries.

Employment history

Since January 2017	Researcher <i>Centro de Investigação em Saúde da Manhica (CISM)/ Instituto Nacional de Saúde (INS), Maputo, Mozambique</i>
Sep. 2009- Dec. 2016	Training fellow <i>Centro de Investigação em Saúde da Manhica (CISM)/ Instituto Nacional de Saúde</i>
Apr. 2007- Aug. 2009	General practitioner/ Head of the clinical department/ training fellow <i>Centro de Investigação em Saúde da Manhica (CISM)/ Instituto Nacional de Saúde</i>
Jul. 2004- Mar. 2006	General practitioner/Medica-chefe of Homoine District <i>Hospital Distrital de Homoine, Homoine-Inhambane, Mozambique</i>
Aug. 2003-June 2004	General practitioner/training fellow, <i>Centro de Investigação em Saúde da Manhica (CISM), Manhica, Mozambique</i>

Professional Qualifications

2010-2016	Specialization in paediatrics <i>Hospital Central de Maputo, Maputo, Mozambique and Hospital Sant Joan de Déu, Barcelona, Spain</i>
2010-2013	Doctor in Medicine (PhD): <i>“The epidemiology of diarrhea: Determination of the burden, etiology and consequences of diarrheal disease in children aged 0-59 months in Manhica District, Mozambique”</i> <i>Universidad de Barcelona, Faculty of Medicine, Barcelona, Spain.</i>
2009-2010	MSc in Public Health (MPH) <i>Universidad Pompeu Fabra, Barcelona, Spain</i>
1996-2003	Degree in Medicine and Surgery <i>Universidade Eduardo Mondlane, Faculty of Medicine, Maputo, Mozambique</i>

Current Research

International Epidemiologic Databases to Evaluate AIDS (IeDEA)	Funder: Fundacao Manhica Role: clinical coordinator for Manhica site
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Understanding the determinants of the effectiveness of HIV control strategies targeting HIV-infected pregnant women in Mozambique (Preg_multidrug)	Funder: EDCTP Role: Principal Investigator 2019-2021
Improving maternal and infant health by reducing malaria risks in African women: evaluation of the safety and efficacy of dihydroartemisinin-piperaquine for intermittent preventive treatment of malaria in HIV-infected pregnant women, (Acrónimo: MAMAH)."	Funder: EDCTP Role: Site Principal Investigator 2017-2022
A prospective, cohort, multicentre study on Early Antiretroviral Treatment in HIV-Infected Children (EARTH).	Funder: ViiV (PENTA- for the treatment and care of children with HIV-Onlus) Role: Site Principal Investigator 2018-2024

Senior (first or last) author Publications

1. Nhampossa T, Fernandez S, Augusto O, Fuente-Soro L, Maculuve S ó. ni., Bernardo E, et al. Discordant retention of HIV-infected mothers and children. *Medicine (Baltimore)* [Internet]. 2020 Aug 7;99(32):e21410.
2. Nhampossa T, Mandomando I, Acacio S, Quinto L, Vubil D, et al. Diarrheal Disease in Rural Mozambique: Burden, Risk Factors and Etiology of Diarrheal Disease among Children Aged 0-59 Months Seeking Care at Health Facilities. *PLoS one*; 10(5):e0119824.
3. Nhampossa T, Sigauque B, Machevo S, Macete E, Alonso P, Bassat Q, et al. Severe malnutrition among children under the age of 5 years admitted to a rural district hospital in southern Mozambique. *Public Health Nutr* Sep;16(9):1565-74.
4. Nhampossa T, Mandomando I, Acacio S, Nhalungo D, Sacoor C, Nhacolo A, et al. Health care utilization and attitudes survey in cases of moderate-to-severe diarrhea among children aged 0-59 months in the District of Manhica, southern Mozambique. *Am J Trop Med Hyg* Jul;89(1 Suppl):41-8.

1. Fernández-Luis S, **Nhampossa T**, Fuente-Soro L, Augusto O, Casellas A, Bernardo E, et al. Pediatric HIV Care Cascade in Southern Mozambique: Missed Opportunities for Early ART and Re-engagement in Care. *Pediatr Infect Dis J* [Internet].
2. Fernández-Luis S, Fuente-Soro L, Augusto O, Bernardo E, **Nhampossa T**, Maculuve S, et al. Reengagement of HIV-infected children lost to follow-up after active mobile phone tracing in a rural area of Mozambique. *J Trop Pediatr* [Internet]. 2018 Aug 7;
3. Sow SO, Muhsen K, Nasrin D, Blackwelder WC, Wu Y, Farag TH, Panchalingam S, Sur D, Zaidi AK, Faruque AS, Saha D, Adegbola R, Alonso PL, Breiman RF, Bassat Q, Tamboura B, Sanogo D, Onwuchekwa U, Manna B, Ramamurthy T, Kanungo S, Ahmed S, Qureshi S, Quadri F, Hossain A, Das SK, Antonio M, Hossain MJ, Mandomando I, **Nhampossa T**, Acácio S, Omoro R, Oundo JO, Ochieng JB, Mintz ED, O'Reilly CE, Berkeley LY, Livio S, Tennant SM, Sommerfelt H, Nataro JP, Ziv-Baran T, Robins-Browne RM, Mishcherkin V, Zhang J, Liu J, Houghton ER, Kotloff KL, Levine MM. The Burden of *Cryptosporidium* Diarrheal Disease among Children < 24 Months of Age in Moderate/High Mortality Regions of Sub-Saharan Africa and South Asia, Utilizing Data from the Global Enteric Multicenter Study (GEMS). *PLoS Negl Trop Dis*. 2016 May 24;10(5):e0004729.
4. Serna-Bolea C, Munoz J, Almeida JM, Nhacolo A, Letang E, **Nhampossa T**, et al. High prevalence of symptomatic acute HIV infection in an outpatient ward in southern Mozambique: identification and follow-up. *AIDS* Feb 20;24(4):603-8.
5. Sacoor C, Nhacolo A, Nhalungo D, Aponte JJ, Bassat Q, Augusto O, Mandomando I, Sacarlal J, Lauchande N, Sigauque B, Alonso P, Macete E, Munguambe K, Guinovart C, Aide P, Menendez C, Acacio S, Quelhas D, Sevene E, **Nhampossa T**, et al. Profile: Manhica Health Research Centre (Manhica HDSS). *Int J Epidemiol* Oct;42(5):1309-18.
6. Sacarlal J, Nhacolo AQ, Sigauque B, Nhalungo DA, Abacassamo F, Sacoor CN, Aide, P. Machevo, S. **Nhampossa, T**.et al. A 10 year study of the cause of death in children under 15 years in Manhica, Mozambique. *BMC Public Health*. 2009 Feb 24;9:67.
7. Sicuri E, Bardaji A, **Nhampossa T**, Maixenchs M, Nhacolo A, Nhalungo D, et al. Cost-effectiveness of intermittent preventive treatment of malaria in pregnancy in southern Mozambique. *PLoS One* Oct 15;5(10):e13407.
8. Rovira G, Cooke EF, Mucavele H, Siteo A, Madrid L, **Nhampossa T**, et al. The Challenge of Diagnosing and Treating *Staphylococcus aureus* Invasive Infections in a Resource-limited Sub-Saharan Africa Setting: A Case Report. *J Trop Pediatr* Oct;61(5):397-402.
9. Quelhas D, Puyol L, Quinto L, **Nhampossa T**, Serra-Casas E, Macete E, et al. Intermittent preventive treatment with sulfadoxine-pyrimethamine does not modify plasma cytokines and chemokines or intracellular cytokine responses to *Plasmodium falciparum* in Mozambican children. *BMC Immunol* Jan 26;13:5.
10. Quelhas D, Puyol L, Quinto L, Serra-Casas E, **Nhampossa T**, Macete E, et al. Impact of intermittent preventive treatment with sulfadoxine-pyrimethamine on antibody responses to erythrocytic-stage *Plasmodium falciparum* antigens in infants in Mozambique. *Clin Vaccine Immunol* 2008 Aug;15(8):1282-91.

11. Quelhas D, Jimenez A, Quinto L, Serra-Casas E, Mayor A, Cistero P, Cistero P, Puyol L, Wilson D. W, Richards J. S, **Nhampossa T**, et al. IgG against Plasmodium falciparum variant surface antigens and growth inhibitory antibodies in Mozambican children receiving intermittent preventive treatment with sulfadoxine-pyrimethamine. *Immunobiology* Jul;216(7):793-802.
12. Pons MJ, Vubil D, Guiral E, Jaintilal D, Fraile O, Soto SM, et al. Characterisation of extended-spectrum beta-lactamases among Klebsiella pneumoniae isolates causing bacteraemia and urinary tract infection in Mozambique. *J Glob Antimicrob Resist Mar*;3(1):19-25.
13. O'Callaghan-Gordo C, Bassat Q, Morais L, Diez-Padrisa N, Machevo S, **Nhampossa T**, et al. Etiology and epidemiology of viral pneumonia among hospitalized children in rural Mozambique: a malaria endemic area with high prevalence of human immunodeficiency virus. *Pediatr Infect Dis J Jan*;30(1):39-44.
14. O'Callaghan-Gordo C, Bassat Q, Diez-Padrisa N, Morais L, Machevo S, Nhampossa T, et al. Lower respiratory tract infections associated with rhinovirus during infancy and increased risk of wheezing during childhood. A cohort study. *PLoS One*;8(7):e69370.
15. Naniche D, Letang E, **Nhampossa T**, David C, Menendez C, Alonso P. Alterations in T cell subsets in human immunodeficiency virus-infected adults with co-infections in southern Mozambique. *Am J Trop Med Hyg Oct*;85(4):776-81.
16. Moro L, Bardaji A, **Nhampossa T**, Mandomando I, Serra-Casas E, Sigauque B, et al. Malaria and HIV infection in Mozambican pregnant women are associated with reduced transfer of antimalarial antibodies to their newborns. *J Infect Dis Mar 15*;211(6):1004-14.
17. Mayor A, Bardaji A, Macete E, **Nhampossa T**, Fonseca AM, Gonzalez R, et al. Changing Trends in P. falciparum Burden, Immunity, and Disease in Pregnancy. *N Engl J Med Oct 22*;373(17):1607-17.
18. Mandomando I, Sigauque B, Morais L, Espasa M, Valles X, Sacarlal J, Macete, E. Aide, P. Quinto, L. **Nhampossa, T**. et al. Antimicrobial drug resistance trends of bacteremia isolates in a rural hospital in southern Mozambique. *Am J Trop Med Hyg. Jul*;83(1):152-7.
19. Mandomando I, Macete E, Sigauque B, Morais L, Quinto L, Sacarlal J, Espasa, M. Valles, X. Bassat, Q. Aide, P. **Nhampossa, T**. et al. Invasive non-typhoidal Salmonella in Mozambican children. *Trop Med Int Health. 2009 Dec*;14(12):1467-74.
20. Mandomando I, Bassat Q, Sigauque B, Massora S, Quinto L, Acacio S, **Nhampossa, T**, et al. Invasive Salmonella Infections Among Children From Rural Mozambique, 2001-2014. *Clin Infect Dis Nov 01*;61 Suppl 4:S339-45.
21. Madrid L, Acacio S, **Nhampossa T**, Lanaspá M, Siteo A, Maculúve SA, et al. Hypoglycemia and Risk Factors for Death in 13 Years of Pediatric Admissions in Mozambique. *Am J Trop Med Hyg Jan*;94(1):218-26.
22. Letang E, Miro JM, **Nhampossa T**, Ayala E, Gascon J, Menendez C, et al. Incidence and predictors of immune reconstitution inflammatory syndrome in a rural area of Mozambique. *PLoS One Feb 28*;6(2):e16946.
23. Letang E, Almeida JM, Miro JM, Ayala E, White IE, Carrilho C, Bastos R, **Nhampossa T**, et al. Predictors of immune reconstitution inflammatory syndrome-associated with kaposi sarcoma in mozambique: a prospective study. *J Acquir Immune Defic Syndr Apr*;53(5):589-97.
24. Lanaspá M, O'Callaghan-Gordo C, Machevo S, Madrid L, **Nhampossa T**, Acacio S, et al. High prevalence of Pneumocystis jirovecii pneumonia among Mozambican children <5 years of age admitted to hospital with clinical severe pneumonia. *Clin Microbiol Infect Nov*;21(11):1018 e9- e15.

25. Kotloff KL, Nataro JP, Blackwelder WC, Nasrin D, Farag TH, Panchalingam S, Wu Y, Sow SO, Sur D, Breiman RF, Faruque AS, Zaidi AK, Saha D, Alonso PL, Tamboura B, Sanogo D, Onwuchekwa U, Manna B, Ramamurthy T, Kanungo S, Ochieng JB, Omoro R, Oundo JO, Hossain A, Das SK, Ahmed S, Qureshi S, Quadri F, Adegbola RA, Antonio M, Hossain MJ, Akinsola A, Mandomando I, **Nhampossa T**, Acácio S, Biswas K, O'Reilly CE, Mintz ED, Berkeley LY, Muhsen K, Sommerfelt H, Robins-Browne RM, Levine MM. Burden and aetiology of diarrhoeal disease in infants and young children in developing countries (the Global Enteric Multicenter Study, GEMS): a prospective, case-control study, *Lancet*. 2013 Jul 20;382(9888):209-22. doi: 10.1016/S0140-6736(13)60844-2. Epub 2013 May 14.
26. Guinovart C, Bassat Q, Sigauque B, Aide P, Sacarlal J, **Nhampossa T**, et al. Malaria in rural Mozambique. Part I: children attending the outpatient clinic. *Malar J* 2008 Feb 26;7:36.
27. Dobano C, Quelhas D, Quinto L, Puyol L, Serra-Casas E, Mayor A, **Nhampossa T**, et al. Age-dependent IgG subclass responses to Plasmodium falciparum EBA-175 are differentially associated with incidence of malaria in Mozambican children. *Clin Vaccine Immunol*. Feb;19(2):157-66.
28. Diez-Padriza N, Bassat Q, Morais L, O'Callaghan-Gordo C, Machevo S, **Nhampossa T**, et al. Procalcitonin and C-reactive protein as predictors of blood culture positivity among hospitalised children with severe pneumonia in Mozambique. *Trop Med Int Health Sep*;17(9):1100-7.
29. Diez-Padriza N, Bassat Q, Machevo S, Quinto L, Morais L, **Nhampossa T**, et al. Procalcitonin and C-reactive protein for invasive bacterial pneumonia diagnosis among children in Mozambique, a malaria-endemic area. *PLoS One Oct 14*;5(10):e13226.
30. Diez-Padriza N, Aguilar R, Machevo S, Morais L, **Nhampossa T**, O'Callaghan-Gordo C, et al. Erythropoietin levels are not independently associated with malaria-attributable severe disease in Mozambican children. *PLoS One*;6(8):e24090.
31. Bassat Q, Machevo S, O'Callaghan-Gordo C, Sigauque B, Morais L, Diez-Padriza N, Ribo, J. L. Mandomando, I. **Nhampossa T**, et al. Distinguishing malaria from severe pneumonia among hospitalized children who fulfilled integrated management of childhood illness criteria for both diseases: a hospital-based study in Mozambique. *Am J Trop Med Hyg. Oct*;85(4):626-34.
32. Bassat Q, Lanaspá M, Machevo S, O'Callaghan-Gordo C, Madrid L, **Nhampossa T**, et al. Hypoxaemia in Mozambican children <5 years of age admitted to hospital with clinical severe pneumonia: clinical features and performance of predictor models. *Trop Med Int Health Sep*;21(9):1147-56.
33. Bassat Q, Lanaspá M, Machevo S, O'Callaghan-Gordo C, Madrid L, **Nhampossa T**, et al. Hypoxaemia in Mozambican children <5 years of age admitted to hospital with clinical severe pneumonia: clinical features and performance of predictor models. *Trop Med Int Health Sep*;21(9):1147-56.
34. Bassat Q, Guinovart C, Sigauque B, Aide P, Sacarlal J, **Nhampossa T**, et al. Malaria in rural Mozambique. Part II: children admitted to hospital. *Malar J* 2008 Feb 26;7:37
35. Almeida JM, Letang E, **Nhampossa T**, Ayala E, David C, Menendez C, et al. Rapid suppression of HIV-RNA is associated with improved control of immune activation in Mozambican adults initiating antiretroviral therapy with low CD4 counts. *AIDS Res Hum Retroviruses Jul*;27(7):705-11.
36. Aide P, Aponte JJ, Renom M, **Nhampossa T**, Sacarlal J, Mandomando I, et al. Safety, immunogenicity and duration of protection of the RTS,S/AS02(D) malaria vaccine: one year follow-up of a randomized controlled phase I/IIb trial. *PLoS One Nov 04*;5(11):e13838.

37. Acacio S, Verani JR, Lanaspá M, Fairlie TA, **Nhampossa T**, Ruperez M, et al. Under treatment of pneumonia among children under 5 years of age in a malaria-endemic area: population-based surveillance study conducted in Manhica district- rural, Mozambique. *Int J Infect Dis* Jul;36:39-45.

MSc /PhD projects completed or being directed

1. “Management of Malnutrition among Children under the age of 5 admitted to a rural District Hospital in Southern Mozambique”: **MSc Thesis completed** (September.2012) by Mrs. Blanca Calero García (Spain) and granted by the University of Barcelona.
2. “Percepções das mulheres grávidas infectadas pelo HIV em relação a toma de múltiplos medicamentos recomendados na consulta pré-natal do Centro de saúde da Manhica” **MSc Thesis on going** (2019-2020) by Mrs. Celia Chauque at Universidade Eduardo Mondlane

Awards, Prizes and Scholarships

- Gulbenkian Foundation grant for predoctoral research (*Bolsas de doutoramento na área das doenças tropicais negligenciadas para licenciados do PALOP's*) 2009-2013
- IAS Educational Fund Scholarship to attend the (AIDS 2018), (AIDS 2019) and (AIDS 2020) conferences.
- EDCTP Career Development Fellowships. Proposal: TMA2017CDF-1927— Preg_multidrug 2019-2022

Further activities

- Member of the organizing and scientific committees of the 3rd Scientific Journeys of Maputo Central Hospital; Maputo, Mozambique; 27-28 August 2015
- Member of the Institutional Committee on Bioethics for Health (CIBS) of the Manhica Health Research Centre
- Member of the African Research Network for Neglected Tropical Diseases (ARNTD)
- Member of the organizing and scientific committees of the 5th Mozambican Conference in Pediatrician; Maputo, Mozambique; 03-05 September 2019

Languages spoken

Portugues	Mother tongue
Xangana	Mother tongue
English	Reasonable
Spanish	Good

References

1. Eusebio Macete (Director): *Centro de Investigação em Saúde da Manhica* (CISM), Maputo
eusebio.macete@manhica.net

2. Clara Menendez (Director): The Maternal, Child and Reproductive Health Initiative, ISGlobal, Barcelona clara.menendez@isglobal.org
 3. Denise Nanche: (Coordinator) : The HIV/TB area, ISGlobal, Barcelona denise.nanche@isglobal.org
 4. Pedro L. Alonso (Director): Global Malaria Program, World Health Organization, Geneva alonsop@who.int
 5. Quique Bassat (Professor): ICREA Research Professor, ISGlobal, Barcelona quique.bassat@isglobal.org
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