

# Technical Review Panel Member

## Curriculum Vitae

Name: Dr Ritha John Ainainyi Njau  
 Nationality: Tanzanian  
 Additional languages: English, Swahili, French - intermediate  
 Expertise: Malariologist and Public Health Specialist

### Qualifications

| Qualification                                                           | Institution                                                  | Department                          | Year |
|-------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------|------|
| Doctor of Philosophy (PhD) in Public Health                             | Tumaini University, Kilimanjaro, United Republic of Tanzania | Parasitology and Medical Entomology | 2010 |
| Master of Science (MSc.) in Applied Parasitology and Medical Entomology | University of Liverpool, England                             | Parasitology and Medical Entomology | 1986 |
| Diploma in Research Methodology                                         | Danish Bilharziasis Laboratory, Copenhagen, Denmark          | Research Methodology                | 1984 |
| Bachelor of Science (BSc.) in Botany and Zoology                        | University of Dar-es-Salaam, United Republic of Tanzania     | Botany and Zoology                  | 1982 |

### Employment History

| Employer                                      | Position                   | Place                               | Year       |
|-----------------------------------------------|----------------------------|-------------------------------------|------------|
| Tropical Pesticides Research Institute (TPRI) | Principal Research Officer | Arusha, United Republic of Tanzania | 1992-1997  |
| World Health Organization (WHO)               | Technical Officer          | Tanzania                            | 1997- 2021 |

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------------|--------------|
| The African Regional Office - World Health Organization (AFRO)                                                                                            | Project Manager                            | Brazzaville, Congo                         | 2016-2017    |
| Muhimbili University of Health and Allied Sciences (MUHAS), Department of Parasitology and Medical Entomology, Dar-es-Salaam, United Republic of Tanzania | Malariologist and Public Health Specialist | Dar-es-Salaam, United Republic of Tanzania | 2023 to date |

## Relevant Publications

1. Lemnge MM, Ali A S, Maleclea E K, Sambu E, Abdulla R, Juma M S, Fakih K, Abdulla K H, **Njau R J**. 2005. Therapeutic efficacy of sulfadoxine-pyrimethamine and amodiaquine among children with uncomplicated Plasmodium falciparum malaria in Zanzibar, Tanzania. Am. J Trop. Med. Hyg. Oct: 73 (4): 681 – 5
2. **Njau R J A**, de Savigny D, Gilson L, Mwageni E, Mosha F W. 2009. The implementation of an insecticide-treated subsidy scheme under a public-private-partnership for malaria control in Tanzania – Challenges in implementation. Malaria Journal 8:201
3. **Njau R J A**, Mosha F W, de Savigny D. 2009. Case Studies in Public-Private-Partnership in Health with the focus of enhancing the accessibility of health interventions. Tanzania Journal of Health Research Journal 11:4. 235 – 249
4. Maru Aregawi, Abdullah S. Ali, Abdul-wahiyd Al-mafazy, Fabrizio Molteni, Samson Katikiti, Marian Warsame, **Ritha J A Njau**, et al., 2010. Reductions in malaria and anaemia case and death burden to hospitals following scale-up of malaria control in Zanzibar, 1999-2008. Malaria Journal 2011; 10: 46
5. Bilali Kabula, Patrick Tungu, Johnson Matowo , Jovin Kitau, Clement Mweya, Basilia Emidi, Denis Masue, Calvin Sindato , Robert Malima, Jubilate Minja, Shandala Msangi, **Ritha Njau**, et al., 2012. Susceptibility status of malaria vectors to insecticides commonly used for malaria control in Tanzania. Trop. Med. & Intl. Health. Vol 17(6): 741-750
6. Idda Romore, **Ritha J A Njau**, Innocent Semali, et al., 2016. Policy analysis for deciding on a malaria vaccine RTS, S in Tanzania. Malaria Journal. (2016). 15: 143
7. Ishengoma D S, Shayo A, Mandara C I, Baraka V, Madebe R A, Ngatunga D, Kamugisha E, Mghamba J, **Njau R**, et al., 2016. The role of malaria Rapid Diagnostic Tests in screening of patients to be enrolled in clinical trials in low malaria transmission settings. Health Systems Policy Research. Vol.3 No. 2:13
8. Mwaka A. Kakolwa<sup>1</sup>, Muhidin K. Mahende, Deus S. Ishengoma, Celine I. Mandara, Billy Ngasala, Erasmus Kamugisha, Johannes B. Kataraihya, Renata Mandike, Sigsbert Mkude, Frank Chacky, **Ritha Njau**, et al., 2018. Efficacy and safety of artemisinin-based combination therapy, and molecular markers for artemisinin and piperaquine resistance in Mainland Tanzania. Malaria J. (2018). 17: 369
9. Deus S. Ishengoma, Celine I. Mandara, Filbert Francis, Eldin Talundzic, Naomi W. Lucchi, Billy Ngasala, Abdunoor M. Kabanywany, Muhidin K. Mahende, Erasmus Kamugisha, Reginald A. Kavishe, Florida Muro, Ally Mohamed, Renata Mandike, Sigsbert Mkude, Frank Chacky, Lynn Paxton, George Greer, Chonge A. Kitojo, **Ritha Njau**, et al., 2019. Efficacy and safety of artemether-lumefantrine for the treatment

- of uncomplicated malaria and prevalence of Pfk13 and Pfmdr1 polymorphisms after a decade of using artemisinin-based combination therapy in mainland Tanzania. *Malaria J.* (2019). 18:88
10. Kara A Moser, Rashid A Madebe, Ozkan Aydemir, Mercy G Chiduo, Celien Mandara, Susan F. Rumisha, Frank Chacky, Madeline Denton, Patrick W. March, Robery Verity, Oliver J. Watson, Billy Ngasala, Sigsbert Mkude, Fabrizio Molteni, **Ritha Njau**, et al., 2020. Describing the current status of *Plasmodium falciparum* population structure and drug resistance within mainland Tanzania using molecular inversion probes in *Molecular Ecology - Wiley Online Library*, vol. 30. Issue 1, 26th October 2020
  11. Catherine Bakari, Sophie Jones, Gireesh Subramaniam, Celine I. Manadara, Mercy G. Chiduo, Susana Rumisha, Frank Chacky, Fabrizio Molteni, Renata Mandike, Sigsbert Mkude, **Ritha Njau**, et al., 2020. Community-based surveys for *Plasmodium falciparum* pfrp2 and pfrp3 gene deletions in selected regions of mainland Tanzania, *Malaria Journal - Bakari et al. Malar J* (2020) 19:391
  12. Beatus M. Lyimo, Zachary R. Popkin-Hall, David J. Giesbrech, Celine I. Mandara, Rashid A. Madebe, Catherine Bakari, Dativa Pereus, Misago D. Seth, Ramadhan M. Ngamba, Ruth B. Mbwambo, Bronwyn MacInnis, Daniel Mbwambo, Issa Garimo, Frank Chacky, Sijenunu Aaron, Abdallah Lusasi, Fabrizio Molteni, **Ritha Njau**, Jane A. Cunningham, Samwel Lazaro, Ally Mohamed, Jonathan J. Juliano, Jeffrey A. et al., 2022. Potential Opportunities and Challenges of Deploying Next Generation Sequencing and CRISPR-Cas Systems to Support Diagnostics and Surveillance Towards Malaria Control and Elimination in Africa. *Front. Cell. Infect. Microbiol.*, 13 July 2022, Sec. Clinical Microbiology <https://doi.org/10.3389/fcimb.2022.757844>
  13. Wei Chang, Jessica Cohen, Duo-Quan Wang, Salim Abdulla, Muhidin Kassim Mahende, Tegemeo Gavana, Valerie Scott, Hajirani M. Msuya, Mary Mwanyika-Sando, **Ritha John A. Njau**, et al., 2023. Impact of 1,7-malaria reactive community-based testing and response (1,7-mRCTR) approach on malaria prevalence in Tanzania. *Infect Dis Poverty* 12, 116 (2023). <https://doi.org/10.1186/s40249-023-01166-0>
  14. Catherine Bakari, Celine I. Mandara, Rashid A. Madebe, Misago D. Seth, Billy Ngasala, Erasmus Kamugisha, Maimuna Ahmed, Filbert Francis, Samwel Bushukatale, Mercy Chiduo, Twilumba Makene3, Abdunoor M. Kabanywany6, Muhidin K. Mahende6, Reginald A. Kavishe, Florida Muro, Sigsbert Mkude, Renata Mandike, Fabrizio Molteni, Frank Chacky, Dunstan R. Bishanga, **Ritha J. A. Njau**, et al., 2024. Trends of *Plasmodium falciparum* molecular markers associated with resistance to artemisinins and reduced susceptibility to lumefantrine in Mainland Tanzania from 2016 to 2021. *Malaria Journal* (2024) 23:71. <https://doi.org/10.1186/s12936-024-04896-0>
  15. Deus S. Ishengoma, Celine I. Mandara, Catherine Bakari, Sdebe A. Fola, Rashid A. Madebe, Misago D. Seth, Filbert Francis, Creyton Buguzi, Ramadhan Moshi, Issa Garimo, Samwel Lazaro, Abdallah Lusasi, Sjenunu Aaron, Frank Chacky, Aly Mohamed, **Ritha J. A. Njau**, et al., 2024. Evidence of artemisinin partial resistance in North-western Tanzania: clinical and drug resistance markers study. 2024. Feb 1:2024.01.31.24301954. doi: 10.1101/2024.01.31.24301954.
  16. Deus S. Ishengoma, Celine I. Mandara, Rashid A. Madebe, Marian Warsame, Billy Ngasala, Abdunoor M. Kabanywany, Muhidin K. Mahende, Erasmus Kamugisha8, Reginald A. Kavishe, Florida Muro, Renata Mandike, Sigsbert Mkude, Frank Chacky, **Ritha Njau**, et al., 2024. Microsatellites reveal high polymorphism and high potential for use in anti-malarial efficacy studies in areas with different transmission intensities in mainland Tanzania. *Malaria Journal* (2024) 23:79 <https://doi.org/10.1186/s12936-024-04901-6>
  17. Billy Ngasala, Samwel Bushukatale, Mercy Chiduo, Twilumba Makene, Lilian Mkony, Ally Mohamed, Fablizio Molteni, Frank Chacky, **Ritha J. A. Njau** and Richard Mwaiswelo. Efficacy of artesunate-amodiaquine for treatment of uncomplicated *Plasmodium falciparum* malaria in mainland Tanzania. *Malaria Journal* (2024) 23:90 <https://doi.org/10.1186/s12936-024-04923-0>

18. Billy E. Ngasala, Mercy G. Chiduo, Bruno P. Mmbando, Filbert T. Francis Samwel Bushukatale, Twilumba Makene, Celine I. Mandara, Deus S. Ishengoma, Erasmus Kamugisha Maimuna Ahmed, Muhidin K. Mahende, Reginald A. Kavishe, Florida Muro, Fabrizio Molteni, Erik Reaves, Chonge Kitojo George Greer Ssanyu Nyinondi, Bilal Kabula, Shabbir Lalji, Frank Chacky, **Ritha J. Njau**, Marian Warsame and Ally Mohamed. 2024.Efficacy and safety of artemether-lumefantrine for the treatment of uncomplicated falciparum malaria in mainland Tanzania, 2019. Malaria Journal (2024) 23:101  
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