

# **LSHTM - Tanzania Research Network Meeting**

NIMR-CEEMI, 13<sup>th</sup>. April 2015

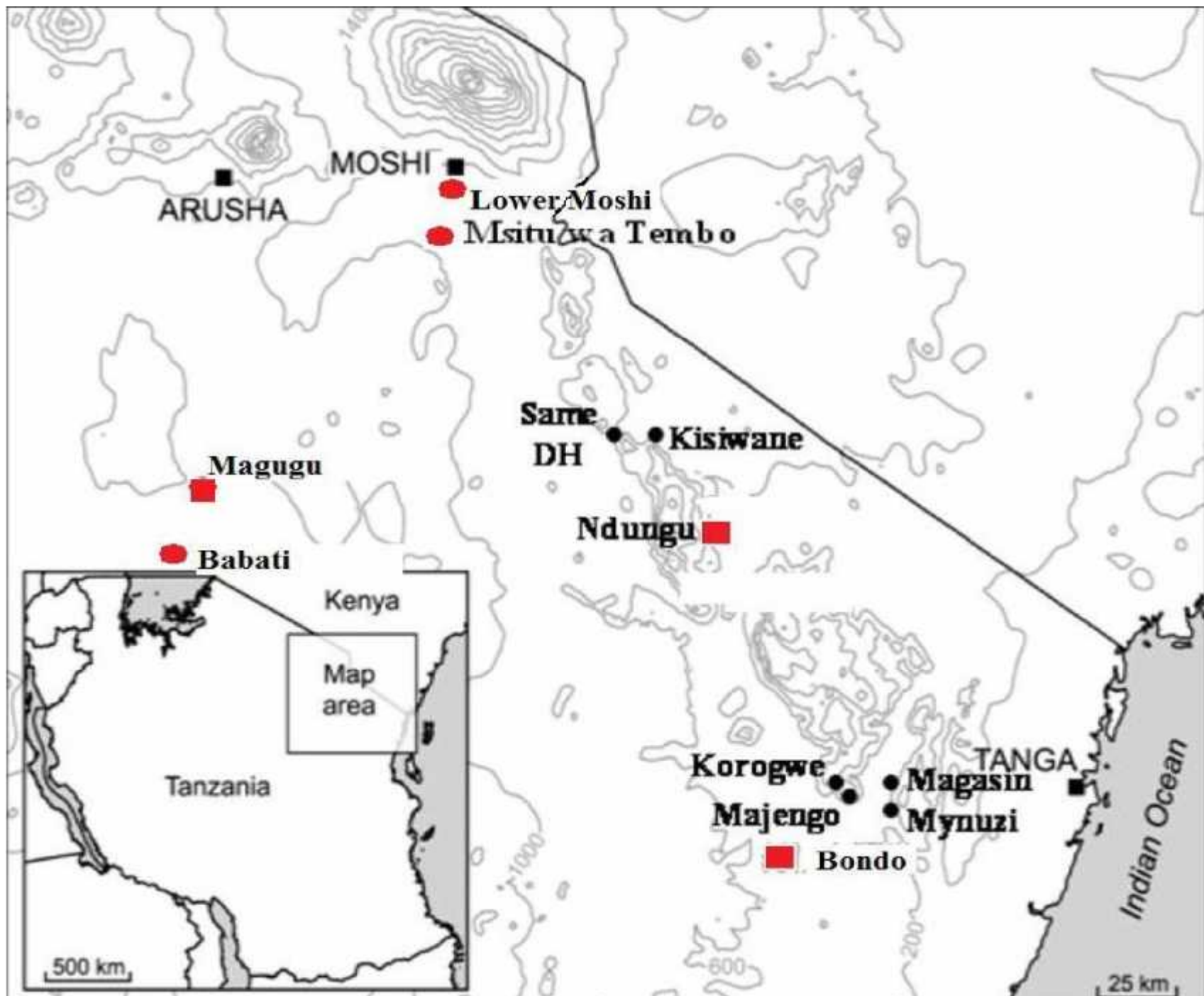
## **Overview of malaria collaborative research**

F.W.Mosha, KCMC

J. Lusingu, NIMR

# Introduction

- Collaborative malaria research activities between LSHTM and NIMR/KCMC were intensified after the establishment of Joint Malaria Partnership (JMP) in 2001.
- **JMP** is a partnership between four institutions, namely LSHTM, NIMR, CMP and KCMC.
- Initial malaria research projects were supported by British Medical Research Council, Gates Malaria Partnership and DANIDA.
- JMP has offered direct or indirect support to a total number of 22 MSc and 12 PhD trainees, mostly from local institutions.



# **Current LSHTM – NIMR-KCMC plus CMP malaria research projects**

## **1. Clinical Trials**

### **1.1. *P.falciparum* malaria vaccine (RTS,S/) Phase III Korogwe Trial**

Sponsor-Glaxo-Smith Kiline Biologicals , funder  
PATH-Malaria Vaccine Initiative

### **1.2 WB Malaria Clinical Trial-**

To be presented by Dr. Mandara

### **1.3. Development of PfEMP-1 Based malaria vaccine:Korogwe/Mwanza**

DANIDA funded, no LSHTM involvement

## 2. Immunological Studies

### **2.1 Malaria protection by Alpha –thalassaemia mediated by enhanced humeral immunity**

(Also involving CMP and IHC).

Funding; Royal Society

### **2.2 Mapping of G6PD deficiency in hotspot area for MDA NW Tanzania**

Funding: THRIVE, MEPI

## **3. Malaria Vector Control**

### **3.1 Evaluation of new insecticides for indoor residual spraying and long-lasting treatments for nets and other materials used in malaria vector control and personal protection**

Phase I & II Evaluation

Funding: BMGF through IVCC

### **3.2 Evaluation of a novel long lasting insecticidal net and indoor residual spray product, separately and together, against malaria transmitted by pyrethroid resistant mosquitoes**

Phase III Evaluation: Muleba Project

Funding: MRC/WT/DFID

### **3.3. The Efficacy of Non-Pyrethroid Insecticide-Treated Durable Wall Liners as a Method for Malaria Control in Endemic Rural Tanzania**

Phase II & III: *Cluster Randomized Trial*

*Funding: USAID, BMGF*

# **Presentations**

## **1. Distribution and spread of pyrethroid and DDT resistance among the *Anopheles gambiae* Complex in Tanzania**

Bilali Kabula, Post-Doc, NIMR

## **2. Long-lasting insecticide treated blanket for protection against *Anopheles arabiensis* and *Culex quinquefasciatus*: an experimental hut evaluation in Tanzania**

Jovin Kitau, Post- Doc, KCMUC

## **3. In-vitro efficacy and safety of artemether /lumefantrine Vs Dihydroartemisinin-piperaquine for treatment of uncomplicated malaria and assessment of parasite genetic factors associated with parasite clearance or treatment failure**

Celine Mandara, PhD Trainee, NIMR-Tanga Centre  
WB study NIMR, MOH, WHO