



CALL FOR MSC STUDENTSHIP



Project Title: “To compare the detection of circumsporozoite surface protein of plasmodium parasite by MAGPIX CSP assay, COX I species specific qPCR and metagenomics”

The Malaria and Neglected Tropical Diseases (MNTD) Directorate of the Armauer Hansen Research Institute (AHRI) would like to recruit 1 MSc student. The MSc project will be supported by P. vivax Serology Partnership (VISPA) project funded by the Walter and Eliza Hall Institute of Medical Research (WEHI). The student will be part of a vibrant group of researchers and interact with scientists in Ethiopia and abroad.

To date, circumsporozoite protein-enzyme linked immunosorbent assay (CSP-ELISA) is the golden technique for detecting sporozoite infection in malaria vectors. But cross reactivity of multiple proteins compromises the quality of CSP detection in malaria vectors. This project aim to optimize the detection of CSP that is specific to the infectious stage (sporozoite) of *Plasmodium* parasites to human via ELISA. The student will work on field activities including; adult and immature mosquito collection and lab activities including; rearing colony and wild collected immature mosquitoes, mosquito membrane-feeding assay on multiple blood meal source including cattle and gametocyte positive patient blood, maintaining pre- and post-feeding mosquitoes, mosquito dissection and microscopic detection of oocyst and sporozoite, conducting MAGPIX CSP assay, COX-I, species specific qPCR and other related activities

Therefore, we are looking for a motivated and flexible candidate who is willing to work in an existing ACHIDES project team. The candidate will be based at Adama .

Duration

The studentship will typically be for one year and the project will be active starting from the date of acceptance.

Study site: Adama and surrounding areas

Value of studentship

The value of studentship covers all the research costs

Eligibility criteria

Applicants should hold a first degree in any disciplines of life sciences, must be an Ethiopian national, currently registered in Medical Parasitology in one of the universities in Ethiopia, and completed the course work of their MSc program.



Abdissa Lencho
Abdissa Lencho (PhD)
Deputy Director General
Armauer Hansen Research Institute

How to apply

Application can be done through submission of relevant and required documents to AHRI, Research and Training Directorate (research.training@ahri.gov.et).

During application the following documents are required:

- Copies of BSc degree academic record
- Motivation letter, one page CV and email address and phone number of two referees
- Copy of transcript of MSc courses

Note: Female candidates are strongly encouraged to apply.

Application closing date: May 5, 2023

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Alemseged Alemseged (PhD)
Deputy Director General
Armauer Hansson Research Institute

