



MSc Fellowship Opportunity at the Armauer Hansen Research Institute (AHRI)

The Armauer Hansen Research Institute (AHRI), established in 1970 by the Norwegian and Swedish Save the Children organizations in collaboration with the Ethiopian Ministry of Health, is a leading biomedical research center in Ethiopia. Named after Dr. Gerhard Henrik Armauer Hansen, the scientist who discovered the leprosy bacillus, AHRI is dedicated to advancing diagnostic tools, vaccines, prevention strategies, and treatments for neglected tropical diseases and major public health challenges through applied biomedical and translational research. AHRI operates under the Federal Ministry of Health. The Mycobacteria and other Bacterial Diseases Research Division at AHRI would like to recruit a MSc student for a research project below.

Title : Adaptive Immune Signatures of Risk in Close Contacts of Pulmonary TB Cases

Project Summary

This MSc project will investigate immune determinants that distinguish protection from susceptibility to TB disease in individuals recently exposed to pulmonary TB. The study will focus on T cell-mediated immunity, characterizing activation markers and cytokine responses to *Mycobacterium tuberculosis* (*Mtb*). Comparator groups will include patients with active TB and healthy community controls. Findings are expected to highlight immune markers that help differentiate susceptibility from resistance following recent *Mtb* exposure.

Key Responsibilities

The selected MSc fellow will:

- Conduct immune cell phenotyping and functional assays.
- Analyze immune response patterns associated with recent *Mtb* exposure.
- Prepare a complete MSc thesis and contribute to joint publications.

Fellowship Duration

One year, starting upon candidate selection and registration.

Research Location

Based at AHRI, Addis Ababa

Value of Studentship



- Full coverage of research expenses.
- Access to AHRI's research infrastructure.

Eligibility Criteria

Applicants must:

- Be Ethiopian nationals under the age of 35 at the time of application.
- Hold a BSc in Biological Sciences, Medical Laboratory Sciences, Biotechnology, or a related biomedical field.
- Be enrolled in an MSc program in related field at an Ethiopian university and eligible to conduct thesis research.
- Demonstrate strong interest in immunology, infectious diseases, or host-pathogen interactions.
- Show academic excellence, motivation, and the ability to work independently and collaboratively.

Preference will be given to candidates with prior experience in immunology or laboratory-based research.

Application Deadline

February 20, 2026

- Female applicants are strongly encouraged to apply.

Number of Students Required: Two (one for each project).

How to Apply: Applicants should submit the following documents by email to: research.training@ahri.gov.et and complete the online form at: <https://redcap.link/6yskcxl9>

A cover letter (maximum one page) outlining motivation and relevant experience.

- An updated CV (maximum three pages), including contact details for two referees.
- Scanned copies of BSc degree and academic transcripts.
- Proof of MSc enrollment and coursework completion.
- Any publications or relevant academic outputs (if available).

NB: Please include the project title in your application letter.

Contact for Further Information: research.training@ahri.gov.et OR meseret.habtam@ahri.gov.et