



CENTRE FOR STUDY OF COMPLEX MALARIA IN INDIA

National Lutheran Health and Medical Board
Indian Institute of Public Health, Shillong

CSCMI

No: NLHMB/CSCMI/2020/1/73

Date: 04th May, 2023

Job Title: Research Fellow

Organization: National Lutheran Health and Medical Board-Centre for the Study of Complex Malaria in India

Location: Indian Institute of Public Health Shillong (IIPHS)

Specific location: Lawmali, Pasteur Hill

Closing date of applications: 19th May, 2023

Job Description:

Understanding malaria transmission in Meghalaya

The Center for the Study of Complex Malaria in India 2.0

This project will carry out entomological and molecular studies in Meghalaya to characterize malaria vectors at two study sites. The goal is to identify which vector species are present (using molecular and morphological methods), whether they are resistant to insecticides and to characterize the spatial and temporal nature of biting behavior. The gathered data will assist in understanding malaria transmission in the presence of a bed-net campaign and help to inform future strategies to improve malaria control in Meghalaya. The study is part of the Center for the Study of Complex Malaria in India (CSCMI), a U.S. National Institutes of Health (NIH)-funded project operated by primary research institute New York University in collaboration with the National Lutheran Health & Medical Board, India, Indian Institute of Public Health, Shillong, and the University of Manchester, UK.

Position: Research Fellow

Key Deliverables:

Functional requirements

- 1) Carry out nucleic acid extraction and PCR from human, animal and environment samples for identification of parasites, vectors and other related vector borne pathogens.
- 2) Carry out DNA sequence analysis for mining of genome related information.
- 3) Carry out immunological assays to detect and quantify substances, including antibodies and antigens.
- 4) Carry out microscopic identification of parasites.
- 5) Responsible for preparing of purchase orders and maintain stock inventory for all consumable/reagents.
- 6) Responsible for safety and quality standards of laboratory and for all related equipment
- 7) Assist the team in preparing deliverables for funding agency and primary research institute as and when required.
- 8) The position would sometimes require field visits to study sites

Liaison Requirement

Liaison with partner institutions, government agencies as may be required, in consultation with PI.

Data/Documentation: Maintain detailed log of work, upload data as may be required and provide weekly progress updates.

Report Writing/Updates

Provide regular updates to immediate supervisor and assist in report writing.

Qualifications:

Essential requirements

MSc/PhD in Microbiology, Molecular Biology, Biotechnology, Bio-chemistry, Zoology and Medical Laboratory Technology (with specialization in molecular biology) or an equivalent degree from a recognized university.

Language requirements

Fluency in English is required.

Knowledge of local language (Khasi/Jaintia/Garo) is an asset.

Additional skills

Good writing and communication skills are required. Proficiency in relevant computer applications particularly MS-excel, word and power point.

Experience

A minimum of one to two years of work experience in a molecular biology laboratory is preferred.

How to Apply:

1. Interested candidates may apply

<https://docs.google.com/forms/d/1R4yv9Eym5pID044J4fzIIUNKRrw7xDZQ-V431PI1IPc/edit>

Your CV should provide the following details, in a word document, preferably in the following order:

1. Full Name, address and contact details (including email and phone)
2. Educational qualifications – Diploma/degree/s, year and full names of institute qualified from
3. Language skills (spoken, written skills)
4. Software skills
5. Work experience (position/job title, organization, duration) if none please state NIL
6. Research experience
7. Publications (if any)
8. Referees (two persons who you have worked or trained under)
9. Any other relevant information

Only short-listed candidates will be contacted. Selection and short-listing of the candidates will solely be done at the discretion of CSCMI/IIPHS; we reserve the right for selection criteria and procedures.