

## Inter-Institutional Collaboration

Collaborative projects were undertaken with the following ICMR/Non-ICMR institutes and medical colleges of the country.

1. 'Development of site for Malaria Vaccine Trial at Sundargarh District, Orissa' in collaboration with International Centre for Genetic Engineering and Biotechnology, New Delhi and State Government of Orissa.
2. 'Developing Epitope-based Immunogen selecting different Stages of *Plasmodium vivax* using in-built Immunoadjuvants and Delivery in Microspheres' In collaboration with Department of Biochemistry, All India Institute of Medical Sciences, New Delhi.
3. 'Immunocapture-based Diagnostic Assay for the Detection of *Plasmodium falciparum* HRP-2 and LDH Antigen' in collaboration with Department of Biochemistry, All India Institute of Medical Sciences, New Delhi.
4. 'Complement Receptor 1 (CR1) and its Gene Polymorphisms in relation to the Pathophysiology and Susceptibility to Severe Malaria' in collaboration with Department of Biochemistry, All India Institute of Medical Sciences, New Delhi.
5. Studies on the Distribution of Members of *Anopheles dirus* Species Complex in Northern states in collaboration with Defence Research Laboratory (DRDO), Tezpur, Assam.
6. 'Engineering Indian malaria vector *Anopheles culicifacies* mosquito genetically using transposable element' in collaboration with Maharshi Dayanand University, Rohtak, Haryana.
7. 'Identification of Epidemiological Risk Factors of Malaria for Development of Strategic Action Plan for Malaria Control in Problematic Districts in Karnataka'
8. 'Evaluation of Therapeutic Efficacy of Antimalarials' in collaboration with the State Governments of Assam, Goa, Gujarat, Madhya Pradesh, Tamil Nadu and Uttarakhand.
9. 'Clinical Drug Trials of Antimalarials' in collaboration with Medical Colleges of Guwahati, Jabalpur, Goa, Mangalore Hospital and Tea Estate, Assam.
10. 'Cerebral Malaria Associated Neurological Disorders in Central India' in collaboration with Medical College, Jabalpur, More House School of Medicine and Centre for Disease Control and Prevention, Atlanta, USA.
11. 'Primary Screening of Medical Plants from Northeastern States of India for their Antimalarial Activity' in collaboration with Defence Research and Development Organization, Tezpur, Assam.
12. 'Screening of Chloroquine Sensitivity Status of *P. falciparum* Parasites from Western Border Areas of India' in collaboration with Defence Research and Development Organization, Gwalior, Madhya Pradesh.
13. 'Molecular Characterisation of Nitric Oxide Synthase in *An. culicifacies*: Relevance for Refractory Mechanism' in collaboration with Institute for Cytology and Preventive Oncology, Noida, Uttar Pradesh.
14. 'Health Impact Assessment of Indira Sagar Dam and Resettlement Colonies in SSP Reservoir Impoundment Areas in Narmada Valley in Madhya Pradesh' in collaboration with National Institute of Virology, Pune, National Institute of Cholera and Enteric Diseases, Kolkata and Narmada Valley Corporation.
15. 'Characterisation of *P. falciparum* Strains Prevalent in Northeastern States' in collaboration with Regional Medical Research Centre (RMRC), Dibrugarh, Assam.

16. 'Screening of Antimalarial Activity of Synthetic Compounds in *P. falciparum* culture lines' in collaboration with Department of Chemistry, University of Delhi and Indian Institute of Chemical Technology, Hyderabad.
17. 'Larvicidal Activity of Extracts of different parts of a Tissue Cultured Plant (Code VA-1 of family Astereaceae)' in collaboration with University of Delhi, Delhi.
18. "Preparation of a Field Site for Malaria Vaccine Trial in and around Jabalpur" [ICMR National task force Project] funded by ICMR task force and CDC Atlanta.
19. "Transmission Dynamics of Malaria in Tribal Areas" in collaboration with RMRCT, Jabalpur and NIMR, Delhi under Tribal sub-plan", funded by ICMR.
20. "Assessing the Burden of Malaria in Pregnancy in India (Chhattisgarh)" in collaboration with Boston University School of Public Health (BUSPH) funded by ICMR and NIH, Washington.
21. "Rapid Assessment of Burden of Malaria in Pregnancy in Madhya Pradesh, India" in collaboration with CDC Atlanta, USA, Liverpool School of Medicine, UK, funded by USAID, New Delhi.
22. "Assessing the Burden of Malaria in Pregnancy in East India (Jharkhand)" in collaboration with Boston University School of Public Health (BUSPH), funded by USAID, Washington.

