

DBT promotes study to identify markers for Vivax malaria

New Delhi, July 31: A new study promoted by Chronic Disease Biology Group of the Department of Biotechnology has highlighted the potential use of Raman Spectroscopy (RS) and mass-spectrometry approaches to elucidate the modulations of the host serum in response to Plasmodium and Dengue infection, for early, accurate and automated detection of the disease.

This is the first systemic report of the analysis of malaria sera samples that demarcates several aspects including (i) segregation of malaria infections with other closely related disease, Dengue (ii) the similitude and disparity in the pathogenesis of P. vivax with that of P. falciparum malaria to identify the diagnostic marker and (iii) comparison of non-severe (NS) and severe (S) cases for vivax infections. A patent application has also been filed.

Contact details:

Dr. Sanjeeva Srivastava, IIT Bombay.

Phone: +91-22-2576-7779

DBT Officer-

Dr. Varshney Singh, Scientist C

Link: