Liu Yaobao is a research assistant at the Department of Malaria, Jiangsu Institute of Parasitic Diseases (JIPD) in Jiangsu, China. Mr Yaobao has completed a Bachelor of Public Health and a Masters in Medical Science.

Liu Yaobao completed his APMEN Fellowship program at the Australian Army Malaria Institute (AMI) and Queensland Institute and Medical Research (QIMR) in Brisbane, Australia.

Mr Yaobao is committed to undertaking two research projects in China when he returns home. One project is to study the diversity and structure of P. vivax using genotyping technique in central China and the other is to evaluate the prevalence of G6PD deficiency both in central and southern China. The outcome of the population structure study would reveal the number and type of strains and their allele frequency in central China. The information would help to monitor the progress of elimination and the strain movement.

By comparing the data from central China and those from other provinces in China, and also those from other countries, imported cases from local transmissions may be identified. The study results would also provide useful information for other countries in the Asia and Pacific Region that are engaged in or are considering elimination. The G6PD project aims to assess the prevalence of G6PD deficiency both in central and southern China as a guide for primaquine treatment for vivax malaria patients and to provide evidence base to help determine the policy for radical cure vivax malaria in China.

I have learned and grasped the following techniques:
1. The method of DNA extraction from dry blood spot on the filter paper.
2. Technique of plasmodium species confirmation using multiplex PCR.
3. Microsatellite genotyping using 6 markers: MS16, Pv3.27, msp1F3, MS1, MS8, MS10 in combination of the genotyping platform of capillary electrophoresis which has high allele resolution.
4. Data analyses on genetic diversity using bioinformatics.
5. Sample process methods for G6PD assay.
6. How to prepare the reagents used in G6PD assay.
7. The operating skills of G6PD assay based on 96-well plate.