

**Dr Nicole Wong Doo (Haematology) 2013 RCPA Foundation Technical Assistance Grant**

Project title: Identification of splice site mutations in acute erythroid leukaemia

“With the Foundation grant I was awarded in 2013, we have designed a study looking at the prevalence of splice site mutations in erythroleukaemia and myelodysplasia. The project was designed around the recent availability of next generation sequencing in our institution, however the final design of the panel of genes has taken longer than anticipated. The panel has been designed and is currently being validated. We aim to test for splice site mutations in bone marrow samples of patients with newly diagnosed erythroleukaemia and MDS, and correlate with morphology and clinical outcome. The potential clinical implications are the discovery of new prognostic markers, targets for measurement of minimal residual disease and as future therapeutic targets.

I look forward to updating the College on our results.”