

**NUS Graduate School for Integrative Sciences and Engineering
Research Project Write-up**

Title of Project : Gene-environment interaction of cancer

Name of Supervisor : Chia Kee Seng

Contact Details: cofcks@nus.edu.sg

Short Description

The Singapore Cancer Registry, since its founding on 1 January 1968 has been collecting basic epidemiologic and clinical data on all types of cancer diagnosed in Singapore. Several cancers like breast and colo-rectal cancers have been increasing rapidly over the last few decades.

There have been several epidemiological studies on the environmental risk factors of various cancers but little research has been done on the gene-environment interaction of these cancers. Furthermore, few studies have identified the reasons behind the ethnic differences in cancer incidence in Singapore.

The focus of research is on ethnic differences and gene-environment interactions in cancer incidence in Singapore. Students will be exposed to both traditional and molecular epidemiological techniques in their projects.