



**Affiliation:** School of Biomedical Sciences

**Specialization:** Biomedical Science (Molecular and Cellular Mechanisms of Human Diseases)

**Research Interests:** Special research interest in studying the molecular and cellular mechanisms involved in the pathogenesis of human diseases especially endometriosis, breast cancer and gynecologic malignancy and help to bring new diagnostic tools and drug regimens to the population bearing disease burden

**Goal:** To enhance the linkage between academia and industry through promoting research and development (R&D) of new diagnostic tools.

## Current Research Interest and ongoing projects

### A manual liquid based cytology in screening for pre-cancerous lesion and cervical cancer

A manual liquid based cytology (MLBC) is a technique that is cost effective and improves detection of precursor lesions and specimen adequacy. 1 PhD engaged and 1 MSc student has been engaged



### A pre-clinical mouse model to test new therapeutic agents for breast cancer

Identification of herbal extracts with anticancer activity. 1 MSc student has been engaged



### Paper Based Nanokit for amplification of HPV 16/18 E6 oncoprotein detection for screening cervical cancer.

The HPV 16 E6/18 E6-HRP(CP15)-AuNPs conjugate possesses immune sensing mechanism for HPV 16/18 Early 6 (E6) oncoprotein produced during early stages of cervical cancer progression. 1 MSc student trained

