CANCER SCIENCE INSTITUTE OF SINGAPORE

SEMINAR ANNOUNCEMENT

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Etiology Of Cervical Cancer And Development Of Screening Biomarkers For Women At Risk

Date: Friday, 10 June 2016
Time: 2.30pm – 3.30pm
Venue: #01-01B, Centre for Translational Medicine (MD6)
(14 Medical Drive, Singapore 117599)

Abstract:

This talk will summarize our efforts to identify the genetic risk factors for cervical cancer, using a variety of genetic technologies including long-read DNA sequencing. In addition to genetic methods we are exploring proteomic methods for identification of protein biomarker candidates. The aim of the study is to understand the moleculaer ethology of cervical cancer and to develop efficient biomarkers for identfication of women at risk.

Biography:

The Gyllensten group is using population-based human cohorts for mapping disease genes. One project is focusing on the genetic risk factors for persistent infection of human papillomavirus and development of cervical cancer. The unique demographic history and lifestyle of the Swedish Sami is used for analyses of genetic and environmental contribution to the development of welfare disease.

The group contributes clinical resources, a laboratory platform for microsatellite typing and sequencing, and competence in genetic mapping and epidemiology.