Please join us on 7/31/15 for a seminar entitled

“Circulating tumor DNA for noninvasive cancer management”

Presented by Dana WY Tsui, Ph.D.

4pm-5pm
Location: FCT3 (Rms 3 & 6)
FCT3.4143/4144

Abstract
Circulating tumor DNA offers new possibilities for noninvasive cancer diagnostics. Recent advances now enable robust and high-throughput molecular analysis to profile the cancer genome in plasma. This talk will give examples of the potential clinical utility of circulating tumor DNA for cancer management, including molecular stratification, monitoring tumor responses, identifying drug resistance mechanisms, predicting prognosis and possibly early detection. There will also be discussion about the idea of comprehensive analysis using liquid biopsies, and practical considerations when integrating plasma profiling in a diagnostic setting.

Dana Tsui, Ph.D., is a research fellow at Cancer Research UK Cambridge Institute (CRUK-CI), University of Cambridge, UK. Dr. Tsui grew up in Hong Kong and obtained a Ph.D. in Chemical Pathology in 2010 with Dr. Dennis Lo at the Chinese University of Hong Kong. Her Ph.D. focused on the development of non-invasive prenatal diagnosis tests based on DNA methylation biomarkers. She then moved to CRUK-CI for postdoctoral training, where she collaborates with clinical research groups to explore the use of plasma DNA to study cancer.

Selected publications:


