Recent advances in biomarkers for predicting cancer metastasis

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One major challenge of cancer treatment is metastatic disease development. The 5-year survival rate of cancer patients who have developed distant metastasis at diagnosis is extremely low, highlighting the importance of prediction and early detection of metastasis in cancer patients, which would definitely improve their prognosis as suitable patient therapeutic management and treatment strategy can be provided. Cancer cells from a primary site give rise to a metastatic tumor via a number of steps, requiring the involvement and alteration of a series of regulators. Hence, these regulators may serve as biomarkers for predicting metastasis. In this talk we will discuss some recent findings from our laboratory and other research groups on how these regulators are correlated with prediction of future metastasis.

Biography
Lui NG obtained his B.Sc. and M.Phil. from the Chinese University of Hong Kong and completed his Ph.D. from the University of Hong Kong Faculty of Medicine in 2012. He is currently a postdoctoral fellow at the same department, working on identification of novel regulators in cancer signaling pathways, screening of biomarkers for detecting cancer formation and progression and testing the efficacy of new drugs in combating cancers including hepatocellular carcinoma, colorectal cancer and leukemia.

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