

CRCM

Cancer Research
Center of Marseille



External Seminar Series

Friday June 16, 2023

16pm, IPC2 Amphitheater



Hosted by the Department Cell Communication an Microenvironnement (CoMET)

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Prof. Alice Sze Tsai WONG

Professor Alice Sze Tsai WONG is a Professor in the [School of Biological Sciences at the University of Hong Kong](#). She also serves the Associate Vice-President (Research) and Director of the Dr Li Dak-Sum Research Centre and the School of Biological Sciences.

"Understanding Phenotypic Heterogeneity in Metastasis: Towards Better Cancer Therapeutics"

Tumor metastasis represents a major clinical challenge, and understanding the underlying mechanisms is therefore obviously important. In all cancer types, intratumor heterogeneity, the coexistence of different subpopulations of cancer cells in a tumor, has a profound impact on tumor progression and therapeutic resistance. While genetic heterogeneity is well defined, little is known about the effect of phenotypic heterogeneity in driving the clinical progression of the tumor. We have successfully developed an isogenic ovarian cancer model with different metastatic properties to surpass limitations of current approaches on the lack of a tightly controlled, representative cell model and enable a robust framework to unravel key molecules mediating metastasis. I will present our recent work that reveals unprecedented mechanistic insights on the growth advantage, metabolic and immune cross-talks brought by tumor heterogeneity leading to metastatic success. These results have great translational implications in effective cancer treatment.



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