DukeNUS Medical School | Cancer & Stem Cell Biology

CSCB Hybrid Seminar Series

The intersection of cell state and metabolism in cancer

Date: 30 May 2022 (Monday)
Time: 12noon -1pm (SGT)
Venue : Duke-NUS Amphitheatre, Level 2

Format : *via* Zoom & in-person
For details, please contact:
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Abstract:

Cancer progression is orchestrated by complex alterations in cellular behaviors that enable the survival of, and colonization by, cancer cells in the human body. Disturbances in cell states underlie disease progression and clinical outcomes. Underpinning the control of cancer cell states are metabolic reprogramming events, i.e., why are the nutritional needs of cancer cells unique or different? Many fundamental cancer pathways are now known to impinge on cell metabolism, and strategies focusing on disrupting specific metabolic processes to control disease progression have gained considerable interests. Leveraging on functional genomic approaches, and in close collaboration with clinician partners, our research program group seeks to gain insights into the precise control of cancer cell states, and specific targeting of metabolic pathways, for the development of selective therapeutics against cancer resistance and metastasis.

Speaker:



Dr. Tam Wai Leong

Group Leader, Genome Institute of Singapore
Principal Investigator, Cancer Science Institute of Singapore

Wai Leong Tam received his PhD at the Genome Institute of Singapore, where he worked on uncovering the bases for the pluripotency in embryonic stem cells and iPSCs. He undertook his postdoctoral training at the Whitehead Institute in MIT, where he concentrated on cancer stem cells and metastasis. Subsequently, he joined GIS and CSI as a Principal Investigator and his lab focuses on uncovering and interrogating the emerging paradigms of cancer metabolism and cell state transition.

Host:

Patrick Tan
Professor
Programme in Cancer & Stem Cell Biology
Duke-NUS Medical School Singapore

No registration is required.
All are welcome.

Any enquiries please contact :
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