

CANCER SCIENCE INSTITUTE OF SINGAPORE IN THE SPOTLIGHT

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Synergistic Targeting of AKT/mTOR & WTN/ β -catenin Pathways for Treatment of AML. (*J Hematol Oncol*, Mar 2018)

By performing genetic screening, Prof Chng Wee Joo and his team found that two major signalling pathways (AKT/mTOR and WTN/ β -catenin) interact with each other in Acute Myeloid Leukemia (AML). By specifically targeting these two pathways together, scientists can develop more effective treatments against AML.



IN THIS ISSUE

Synergistic Targeting of AKT/mTOR & WTN/ β -catenin Pathways for Treatment of AML

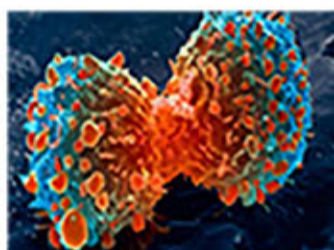
lncRNA LINC01503, Regulated by TP63, in Squamous Cell Carcinoma

Use of Consumer-Grade Wearable Data from Normal Volunteers

Generation of Matched Patient-Derived Xenograft in Vitro-in Vivo Models Using 3D Macroporous Hydrogels

Increased Expression of the lncRNA LINC01503, Regulated by TP63, in Squamous Cell Carcinoma (*Gastroenterology*, Feb 2018)

Exciting research from Prof Phillip Koeffler's group identified a new long non-coding RNA (lncRNA), which is expressed more in squamous cell carcinoma (SCC). They also found that the lncRNA aggressively promotes the growth of tumours. Their results represent a potential biomarker that can be used to identify SCC.



Beyond Fitness Tracking: The Use of Consumer-Grade Wearable Data from Normal Volunteers in Cardiovascular and Lipidomics Research. (*PLoS Biol*, Feb 2018)

Prof Patrick Tan's group was involved in an engaging study that found links between data obtained from fitness tracking devices and health indicators such as cardiovascular and metabolic markers. The results demonstrate the potential for wearables in biomedical research and personalized health.



UPCOMING EVENTS

CSI Research Meeting
6 April 2018

CSI Seminar
Ruan Yijun
16 Apr 2018

CSI Research Meeting
20 April 2018

Generation of Matched Patient-Derived Xenograft in vitro-in vivo Models Using 3D Macroporous Hydrogels for the Study of Liver Cancer. (*Biomaterials*, Jan 2018)

In a novel step forward, a research group involving Dr Edward Chow's team managed to grow tiny liver cancer tumours in the laboratory by using a scaffold made out of a plant-based hydrogel. Anti-cancer drugs can be tested on them, allowing scientists to see how effective they are within a week or so. This exciting development could hold the key to treating liver cancer.

SAVE THESE DATES!

4 May 2018

Abcam-CSI Joint Symposium
Novel Insights into Nuclear
Events in Cancer

13-14 Sep 2018

4th RNA Biology Symposium

12-14 Nov 2018

Frontiers in Cancer Science
10th Annual Meeting