

CANCER SCIENCE INSTITUTE OF SINGAPORE IN THE SPOTLIGHT

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Targeted BMI1 Inhibition Impairs Tumor Growth in Lung Adenocarcinomas with Low CEBP α Expression. (*Sci Transl Med*, Aug 2016)

In this impactful study, researchers from Prof Daniel Tenen's lab at CSI, in collaboration with Harvard Stem Cell Institute, found that inhibiting a protein called BMI1 was able to impair tumour growth in lung cancer.



Ordering of Mutations in Acute Myeloid Leukemia (AML) with Partial Tandem Duplication of MLL (MLL-PTD). (*Leukemia*, Jul 2016)

Partial tandem duplication of MLL was discovered to occur after initial mutations of genes essential for progression of AML. This study by Prof H. Phillip. Koeffler's group provides important insights for defining a targeted therapeutic strategy for MLL-PTD AML patients.



High Expression of Intratumoral Stromal Proteins is Associated with Chemotherapy Resistance in Breast Cancer. (*Oncotarget*, Jul 2016)

A/Prof Lee Soo Chin and team found exciting evidence that associate THBS1 and TNC to chemoresistance in breast cancer patients. This evidence may serve as the basis of a promising strategy to combat chemotherapy resistance.



A Novel Combinatorial Strategy Using Seliciclib® and Belinostat® for Eradication of Non-Small Cell Lung Cancer via Apoptosis Induction and BID Activation. (*Cancer Lett*, Jun 2016)

The team led by Prof Goh Boon Cher tested a novel combination of drug as a therapy for non-small cell lung cancer (NSCLC), which proved to be successful in significantly reducing cell proliferation.



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UPCOMING EVENTS

RNA Biology Symposium
8-9 Sept

Frontiers in
Cancer Science 2016
7-9 Nov

GRADUATE PROGRAM

2016 Best Student Publication Award

CSI Singapore congratulates Huang Kie Kyon, PhD student from Prof Patrick Tan's group, for winning the 2016 Best Student Publication Award

CSI Singapore Welcomes New Graduate Students

While July marks the graduation of PhD students, August marks the beginning of the PhD journey for AY16/17 batch of graduate students. CSI Singapore warmly welcomes these students.

GENOMIC INSTABILITY CLUB

Genomic Instability (GI) Club was started with the focus of discovering factors that maintain our genome and how mutations or misregulations in their expressions would lead to cancer. In the past meeting, Zhao Wei shared his experimental results on MLL5 and Dr Srinivas discussed the role of nucleosides analogues in colorectal cancer treatment.