

CANCER SCIENCE INSTITUTE OF SINGAPORE IN THE SPOTLIGHT

ISSUE 48 | JANUARY 2018

A FTH1 gene:pseudogene:miRNA Network Regulates Tumorigenesis in Prostate Cancer. (*Nucleic Acids Res*, Dec 2017)

In this exciting study, Dr Yvonne Tay's group describe an extensive gene:pseudogene network comprising multiple miRNAs and multiple pseudogenes derived from a single parental gene, FTH1. They also explored the roles of the FTH1 gene network in prostate cancer.



Panobinostat Mediates Chemosensitization to Carboplatin in NSCLC (*Cancer Lett*, Jan 2018)

Prof Goh Boon Cher and his team combined the use of Pabinostat, HDAC-inhibitor, with that of Carboplatin, a chemotherapeutic agent. They established that combined use of both agents could cause cancer cells to become more sensitive to the chemotherapeutic drug.



TGF β Promotes Genomic Instability after Loss of RUNX3. (*Cancer Res*, Jan 2018)

Exciting research by Prof Yoshiaki Ito and team revealed that TGF β promotes DNA double strand breaks (DSB) in cancer cells lacking RUNX3. This shows a novel cooperation between cancer cell-extrinsic TGF β signaling and cancer cell-intrinsic RUNX3 inactivation as aggravating factors for genomic instability.



GRADUATE PROGRAM

CSI Singapore welcomes our New Graduate Students in RNA Biology!

On 10 January, a lunch was organized to welcome our new batch of PhD students, who will be taking on a rigorous five-year academic and research program in RNA Biology. The students were introduced to the institute and also to the various projects underway in the labs under the RNA Biology Centre.



VISIT BY DELEGATES FROM TATA MEMORIAL CENTRE, MUMBAI

A delegation from TATA Memorial Centre in Mumbai, India, visited CSI Singapore on 15 January. It is hoped that the collaborations forged during this visit will be able to take both institutes further into work against cancer.



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Pabinostat Mediates Chemosensitivity to Carboplatin in NSCLC

TGF β Promotes Genomic Instability after Loss of RUNX3

UPCOMING EVENTS

CSI Research Meeting
2 Feb 2018

CSI Seminar
Neville Sanjana
7 February 2018

CSI Seminar
George Muscat
8 February 2018