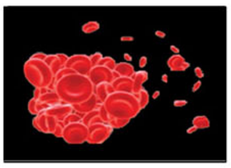
CANCER SCIENCE INSTITUTE OF SINGAPORE

IN THE SPOTLIGHT

ISSUE 57 | OCT 2018

The c-MYC-BMI1 Axis is Essential for SETDB1-mediated Breast Tumourigenesis. (*J Pathol*, Sep 2018)

Prof H. Phillip Koeffler's group identified SETDB1 as an oncogenic driver in breast cancer. They established the importance of c-MYC-BMI1 in driving SETDB1-mediated breast tumourigenesis as well as the mechanisms involved. This stimulating study provides a novel strategy for future treatments of breast cancer.

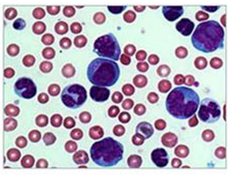


Characterization of Nigerian Breast Cancer Reveals Prevalent Homologous Recombination Deficiency and Aggressive Molecular Features. (*Nat Commun*, Oct 2018)

In an exciting research about somatic alterations in European and African ancestry individuals, Dr Jason Pitt helmed a study which revealed genetic abnormalities in the latter group, resulting in higher susceptibility to aberrations. Their insightful findings will prove to be highly relevant to future studies in cancer health disparities.

Non-canonical Activation of β-catenin by PRL-3 Phosphatase in Acute Myeloid Leukemia. (*Oncogene*, Oct 2018)

In this interesting study, Prof Chng Wee Joo and team uncovered a groundbreaking regulatory role of PRL-3 in the development of acute myeloid leukemia. Results revealed the enhanced sensitivity towards β-catenin inhibition when PRL-3 is overexpressed, demonstrating a potential for PRL-3 to be used as a biomarker in cancer treatment.



IN THIS ISSUE

UPCOMING EVENTS

CSI-TBSI Joint Symposium
5 Nov 2018

CSI-CityU Joint RNA Symposium
6 Nov 2018

CSI Research Meeting
9 Nov 2018

Frontiers in Cancer Science 2018

Coming soon on 12-14 Nov!

Join us for an exciting time of groundbreaking scientific discovery in cancer research!