

CANCER SCIENCE INSTITUTE OF SINGAPORE IN THE SPOTLIGHT

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Aurora Kinase-Induced Phosphorylation Excludes Transcription Factor RUNX from the Chromatin to Facilitate Proper Mitotic Progression. (*PNAS*, May 2016)

Prof. Yoshiaki Ito and his team have uncovered the significance of modified RUNX in mitosis. As RUNX is a critical regulator of cell development, mutations on RUNX are highly associated with cancer progression.



Pharmacogenetics-Guided Phase I Study of Capecitabine on an Intermittent Schedule in Patients with Advanced or Metastatic Solid Tumours. (*Scientific Reports*, Jun 2016)

CSI Senior Principal Investigators and Principal Associates collaborated to determine the dosing guidelines of capecitabine drug for patients with a specific variation of the gene *TSEB1*. Evidence from their study suggests that these patients could potentially benefit from a higher dose.



The Emerging Roles of Exosomes in Leukemogenesis. (*Oncotarget*, May 2016)

In this review, researchers from Prof Chng Wee Joo's team explain the emerging roles of exosomes in leukemia development. Exosomes have an array of possible benefits that include detection of leukemia and augmenting immunotherapy in leukemia.



GRADUATE PROGRAM

A Nobel Lecture by Professor Olivier Smithies

A Nobel Laureate's lecture on "Where do ideas come from?" left Cai Wanpei, CSI graduate student from Dr Alan Prem Kumar's group, with the recognition of the importance of proper documentation of ideas, and inspired her to impart her knowledge whenever she can.



CSI-ADVANCES IN RESEARCH

CSI Advances in Research (CSI-AIRs) is a monthly meeting for students and postdoctoral fellows to present research in progress to their peers. This meeting has helped students and postdoctoral fellows gain feedback on how to improve their early and mid-stage projects, as well as develop collaborations outside of those made by their professors.

UPCOMING EVENTS

CSI Research Meeting
8 Jul

CSI-NCIS
Lung Cancer Symposium
25 July

RNA Biology Symposium
8-9 Sept

Frontiers in
Cancer Science 2016
7-9 Nov

AWARDS

Dr Alan Prem Kumar received the Korean Breast Cancer Foundation Scholarship for outstanding oral presentation and active participation in the Global Breast Cancer Conference 2016.