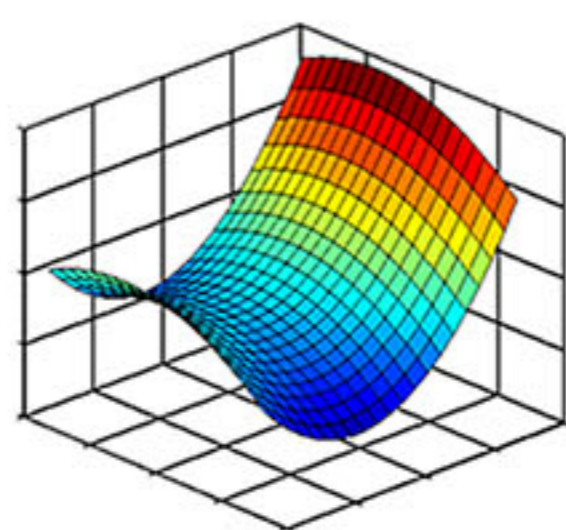


CANCER SCIENCE INSTITUTE OF SINGAPORE IN THE SPOTLIGHT

ISSUE 55 | AUG 2018

QPOP - an AI Platform to Identify Personalized Drug Combinations for Myeloma Patients. (*Science Trans Med*, Aug 2018)

A multidisciplinary research team led by Dr Edward Chow developed an AI platform, the Quadratic Phenotypic Optimisation Platform (QPOP), which aims to speed up drug combination design and identify the most effective combinations for individual patients using small experimental data sets.



IN THIS ISSUE

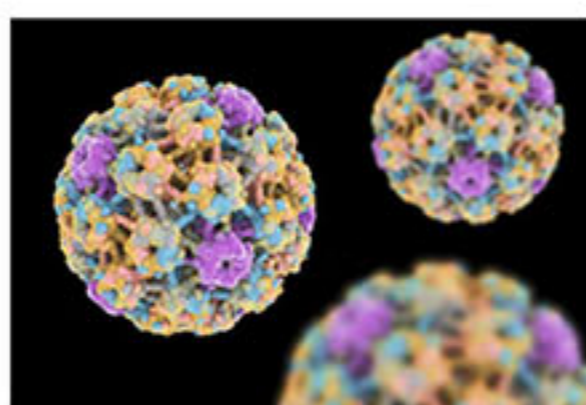
QPOP for Personalized Medicine

TIP60 Represses Activation of Endogenous Retroviral Elements

Role of ASXL2 in Regulating Hematopoiesis and Myeloid Expansion

TIP60 Represses Activation of Endogenous Retroviral Elements. (*Nuc Acids Res*, Aug 2018)

An exciting study led by Dr Sudhakar Jha's group identified a unique mechanism of ERV regulation in cancer cells mediated by TIP60 and BRD4 through regulation of histone H3 K9 trimethylation, and a new tumor suppressive role of TIP60 *in vivo*.



Role of ASXL2 in Regulating Hematopoiesis and Myeloid Expansion. (*Haematologica*, Aug 2018)

Prof H. Phillip Koeffler's team carried out whole and targeted exome sequencing of an Asian cohort of Acute Myeloid Leukemia (AML) at diagnosis and relapse. Findings establish a critical role of ASXL2 in maintaining steady state hematopoiesis and provide insights into how its loss primes expansion of myeloid cells.



UPCOMING EVENTS

CSI Research Meeting
7 Sep 2018

RNA Satellite Workshops
10-11 Sep 2018

4th RNA Biology Symposium
13-14 Sep 2018

GRADUATE PROGRAM

CSI Singapore Welcomes New PhD Students!

At the start of the new semester in August, CSI Singapore held a welcome lunch for our new batch of graduate students, who will be beginning a rigorous five-year academic and research PhD program in cancer biology.

VISITS

A Warm Welcome for Delegation from Kunming Medical University

CSI Singapore welcomed a delegation from Kunming Medical University (KMU) on 17 August. The visit was led by CSI Principal Investigator Dr Dennis Kappei, accompanied by Senior Research Scientist Dr Wang Lingzhi. We hope that the visit will inspire closer relations and meaningful collaborations between both institutes!

Frontiers in Cancer Science 2018

Join us for an exciting time of groundbreaking scientific discovery in cancer research. Advance registration closes 10 October 2018.

