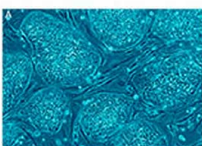


CANCER SCIENCE INSTITUTE OF SINGAPORE IN THE SPOTLIGHT

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dbCoRC: A Database of Core Transcriptional Regulatory Circuitries Modeled by H3K27ac ChIP-seq Signals. (*Nucleic Acids Res*, Sept 2017)

In this novel study, Prof H. Phillip Koeffler and his team developed the first user-friendly and interactive database of core transcription regulatory circuitry models called dbCoRC. This will serve as a valuable resource to explore transcriptional control and regulatory circuitries in biological processes.



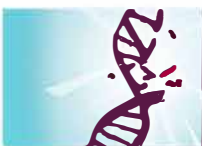
An RNA editing/dsRNA Binding-Independent Gene Regulatory Mechanism of ADARs and its Clinical Implication in Cancer. (*Nucleic Acids Res*, Oct 2017)

Dr Polly Chen and her team uncovered a novel link between ADARs and their impact to reduce expression of a distinctive tumor suppressor gene, METTL7A, enabling a targetable therapeutic cancer treatment.



TGF- β Promotes Genomic Instability after Loss of RUNX3. (*Cancer Res*, Oct 2017)

Prof Yoshiaki Ito and his group revealed a novel relationship between cancer cell-extrinsic TGF- β signaling and cancer cell-intrinsic RUNX3 inactivation as exacerbating reasons for genomic instability. This provides possible targeted therapeutic treatments for patients exposed to pro-oncogenic TGF- β .



CONGRATULATIONS

CSI Deputy Director, Prof Chng Wee Joo, Appointed Provost's Chair at NUSMed

Congratulations to NCIS Director and CSI Deputy Director, Prof Chng Wee Joo, who was appointed Provost's Chair at the NUS Yong Loo Lin School of Medicine! Prof Chng has made significant contributions towards research on hematologic malignancies. His research has led to better patient outcomes, understanding of diseases and developing new ways to deliver cancer treatments.



CSI Graduate Students win Awards for Excellent Oral Presentations at the NZBCS

CSI congratulates our graduate students Eve Wang and Shreya Kar on being awarded the first and second prize respectively for 'Emerging Scientists Oral Presentation' at the New Zealand Breast Cancer Symposium (NZBCS), which was held from 12-14 November 2017 in Auckland.

IN THIS ISSUE

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RNA editing/dsRNA Binding-Independent Gene Regulatory Mechanism of ADARs

TGF- β Promotes Genomic Instability after Loss of RUNX3

UPCOMING EVENTS

RNA Biology Centre Meeting
8 January 2018

CSI Research Meeting
12 January 2018

CSI Research Meeting
2 February 2018

