

CANCER SCIENCE INSTITUTE OF SINGAPORE IN THE SPOTLIGHT

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Fatty acid synthase mediates EGFR palmitoylation in EGFR mutated non-small cell lung cancer. (*EMBO Mol Med*, Feb 2018)

In this exciting research study on NSCLC led by Dr Azhar Ali, the team found a new signaling pathway in cells that involves fatty acid molecules. By testing an anti-obesity drug, Orlistat, they also show that the fatty acid metabolism pathway can be a candidate target for future treatments against NSCLC.



IN THIS ISSUE

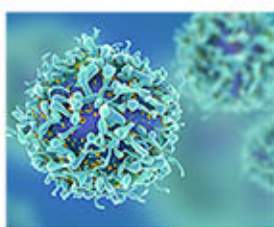
Fatty Acid Metabolism in Non-small Cell Lung Cancer

ARID5B and TAL1 in Promoting T-cell Leukemogenesis

Acquired Resistance to FGFR Inhibitor in Diffuse-Type Gastric Cancer

ARID5B as a critical downstream target of the TAL1 complex that activates the oncogenic transcriptional program and promotes T-cell leukemogenesis. (*Genes Dev*, Jan 2018)

Research from Dr Takaomi Sanda and team found a new interaction in the cell that leads to development of T-cell leukemia. They discovered that TAL1 directly acts on ARID5B, and directly impacts how genes are produced which could lead to T-cell leukemia.



UPCOMING EVENTS

CSI Seminar
Jun J. Yang
9 Mar 2018

CSI Research Meeting & State-of-the-Institute Address
9 Mar 2018

Singapore RNA Biology Alliance Meeting
14 Mar 2018

Acquired Resistance to FGFR Inhibitor in Diffuse-Type Gastric Cancer through an AKT-Independent PKC-Mediated Phosphorylation of GSK3 β . (*Mol Cancer Ther*, Jan 2018)

Dr Chan Shing Leng's team played a central role in this research study that found out how a particular type of gastric cancer cells develops resistance to treatment drugs through the proteins PKC and GSK3 β . These findings pave the way for future studies to combat chemotherapy resistance in gastric cancers.



VISIT BY DELEGATES FROM CHANG-GUNG MEMORIAL HOSPITAL, TAIWAN

On 20 February, CSI Singapore hosted a visit by a delegation from Taiwan's largest hospital, the Chang-Gung Memorial Hospital. The delegation was welcomed by Prof Teh Bin Tean, Senior Principal Investigator, who gave them an introduction to CSI Singapore, and also brought them on a lab tour. We hope that this visit will mark the start of many fruitful collaborations between both institutes!

SAVE THESE DATES!

1 MAR 2018

CSI Mini-Symposium:

Virus-induced Cancers - From Mechanism to Therapy

4 MAY 2018

Abcam-CSI Joint Symposium

Novel Insights into Nuclear Events in Cancer