

CANCER SCIENCE INSTITUTE OF SINGAPORE IN THE SPOTLIGHT

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The GAS6-AXL Signaling Network is a Mesenchymal (Mes) Molecular Subtype-Specific Therapeutic Target for Ovarian Cancer. (*Sci Signal*, Oct 2016)

Dr Ruby Huang and team discovered that silencing AXL in Mes subtype cells can abolish tumor formation. Targeting AXL as therapeutic option may improve clinical outcomes for patients with the Mes subtype ovarian cancer.



IN THIS ISSUE

The GAS6-AXL Signaling Network is a Mesenchymal (Mes) Molecular Subtype-Specific Therapeutic Target for Ovarian Cancer

Diamonds, Digital Health, and Drug Development: Optimizing Combinatorial Nanomedicine. (*ACS Nano*, Sep 2016)

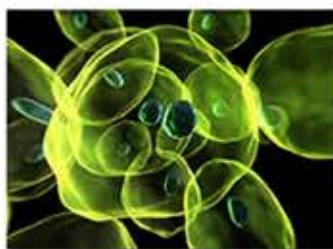
In this informative review, Dr Edward Chow assessed how the impact of nanotechnology in the clinic can be optimized. He also provided a clinical perspective on how a novel technology platform can substantially alter the drug development landscape.



Diamonds, Digital Health, and Drug Development: Optimizing Combinatorial Nanomedicine

Identification of Stem Cells in the Epithelium of the Stomach Corpus and Antrum of Mice. (*Gastroenterology*, Sep 2016)

eR1, an enhancer element of RUNX1, has been identified by the team led by Prof Yoshiaki Ito to be able to promote its expression in the stem cells. The ability of eR1 to express cancerous mutations in gastric stem cells provides a new model for gastric carcinogenesis studies.



Identification of Stem Cells in the Epithelium of the Stomach Corpus and Antrum of Mice

Targeting SALL4 by Entinostat in Lung Cancer

Targeting SALL4 by Entinostat in Lung Cancer. (*Oncotarget*, Sep 2016)

SALL4 is a novel cancer target for lung cancer. In this impactful study, Prof Daniel Tenen and his team successfully demonstrated the use of entinostat as a potential drug for treating SALL4 expressing cancers.



UPCOMING EVENTS

Frontiers in
Cancer Science 2016
7-9 Nov

GRADUATE PROGRAM

CSI Open House 2016

CSI Singapore hosted the annual Open House and opened its doors to tertiary students who came from various backgrounds with a common interest in cancer science. The students had an informative and fun time listening to inspiring talks and participating in interesting laboratory demonstrations.



BIOINFORMATICS CLUB

The Bioinformatics Club has been recently set up to bring together people with expertise in cancer research and experimental biology. During the second meeting, Roberto Tirado Magallanes, PhD student from Dr Touati Benoukraf's group, shared about the functional role of DNA methylation and described the advantages and limitations of the current methodologies used for his study.