

CANCER SCIENCE INSTITUTE OF SINGAPORE IN THE SPOTLIGHT

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MethMotif: an Integrative Cell Specific Database of Transcription Factor Binding Motifs Coupled with DNA Methylation Profiles. (*Nucleic Acids Res*, Oct 2018)

Dr Touati Benoukraf and team devised MethMotif, a two dimensional Transcription Factor Binding Site (TFBS) database that enhances current TFBS database with its improved portrayal of DNA loci features. This serves as a helpful resource for the study of DNA methylation and TF recruitment dynamics.



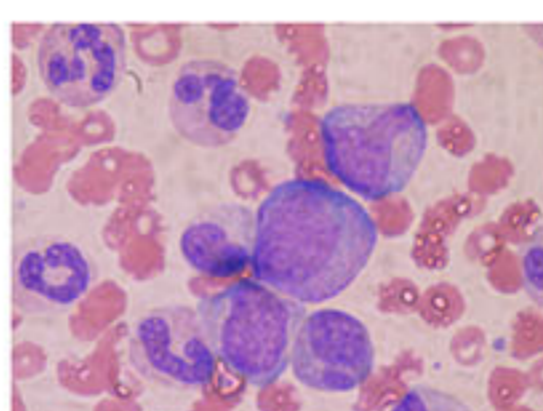
Maftools: Efficient and Comprehensive Analysis of Somatic Variants in Cancer. (*Genome Res*, Nov 2018)

Prof H. Phillip Koeffler and his team introduced Maftools, a R Bioconductor package that facilitates the analysis of data from somatic mutations. Their novel innovation opens door to more insightful findings in cancer genomic studies.



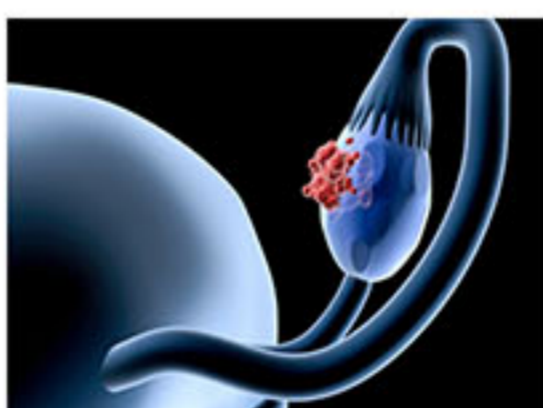
Thrombopoietin Metabolically Primes Hematopoietic Stem Cells to Megakaryocyte-Lineage Differentiation. (*Cell Rep*, Nov 2018)

Results from an intriguing study by Prof Toshio Suda and team revealed a vital role for Thrombopoietin (Thpo) in regulating rapid Megakaryocyte-Lineage commitment. These findings will provide a better understanding of the Ex Vivo manipulation of Hematopoietic Stem Cells.



Decoding Transcriptomic Intra-Tumour Heterogeneity to Guide Personalised Medicine in Ovarian Cancer. (*J Pathol*, Oct 2018)

The latest study by Dr Ruby Huang and team uncovered an association between ovarian tumours and subtype composition through the development of Molecular assessment of subtype heterogeneity (MASH). This landmark discovery could be a potential avenue for the treatment of ovarian cancer.



FRONTIERS IN CANCER SCIENCE 2018

Held from 12-14 November at the University Cultural Centre, Frontiers in Cancer Science 2018 was attended by 32 esteemed speakers and close to 700 participants. The conference ended with great success, marking its 10th anniversary this year.



GRADUATE PROGRAM

Applications now open for CSI Graduate Program!

Graduate PhD Scholarships in Cancer Biology and RNA biology are now open for applications! Applications close on 15 February 2019. For more information, please contact [csi_gradprog\[at\]nus.edu.sg](mailto:csi_gradprog[at]nus.edu.sg)

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Decoding Transcriptomic Intra-Tumour Heterogeneity for Ovarian Cancer Treatment

UPCOMING EVENTS

CSI Seminar
Li Chai
6 Dec 2018

CSI Seminar
Hubert Hondermarck
12 Dec 2018

CSI Seminar
Tannishtha Reya
21 Dec 2018