

IN THE SPOTLIGHT

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NEWS & ACHIEVEMENTS



CSI Singapore Receives NUS Safety & Health Commendation Award

We are pleased to announce that CSI Singapore has been conferred the Commendation Award for the NUS Safety & Health Awards (NUSSHA) 2020! Presented by the Office of Safety, Health & Environment (OSHE), the NUSSHA programme recognizes NUS Faculties, Departments, and Research Centres /Research Institutes which have implemented effective department safety and health management system (DSHMS) that would help reduce accidents and incidents in workplaces.

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CSI Singapore Conferred Multiple Awards at NCIS Annual Research Meeting (NCAM 2021)

Hosted by the National University Cancer Institute, Singapore (NCIS) and co-organized by the Cancer Science Institute of Singapore [CSI], the 8th NCIS Annual Research Meeting [NCAM] was held from 30 - 31 July. This year's meeting served as an excellent platform for cancer physicians and researchers in Singapore to interact and forge future collaborations.

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UPCOMING EVENTS

13 SEP	15 SEP	17 SEP	20 SEP	29 SEP
CSI Seminar- Franz Meitinger 10.00am - 11.00am ZOOM	Bioinformatics Club 4.00pm - 5.30pm ZOOM	Research Meeting 1.00pm - 2.00pm ZOOM	Distinguished Speakers' Series - Andreas Strasser 2.00pm - 3.00pm ZOOM	Cancer Biology Graduate Program Keynote Seminar - Andreas Strasser 2.30pm - 4.30pm ZOOM

Repurposing RNA Sequencing for Discovery of RNA Modifications in Clinical Cohorts. (*Sci Adv*, Aug 2021)

Research team helmed by Prof. Daniel Tenen and Dr. Henry Yang recently established associations between RNA modifications and survival outcomes of cancer patients. By harnessing ModTect, a computational software which they have developed, the team identified some RNA modifications that were associated with cancer progression and survival outcomes in cancer patients, underscoring its potential as biomarkers that could be used to test for diseases.



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Chromatin Interaction Neural Network (ChINN): A Machine Learning-Based Method for Predicting Chromatin Interactions from DNA Sequences. (*Genome Biol*, Aug 2021)

Devised by Dr. Melissa Fullwood and her team, Chromatin Interaction Neural Network (ChINN) is a computational method used to predict chromatin interactions between open chromatin regions using only DNA sequences. By leveraging machine learning to predict these interactions, fewer samples may be required to identify chromatin interaction biomarkers. The ChINN could be a useful tool to interrogate chromatin interactions when large-scale functional genomics acquisition is inapplicable due to limited biological materials.



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Determinants of Response to Daratumumab in Epstein-Barr Virus-Positive Natural Killer and T-Cell Lymphoma. (*J Immunother Cancer*, Jul 2021)

Daratumumab is a monoclonal antibody which is utilised in cancer treatment to specifically target the CD38 protein on malignant cells. In a study led by Prof. Chng Wee Joo, results reveal a subgroup of natural killer T-cell lymphoma (NKTL) patients expressing high levels of CD38 proteins may benefit from this monoclonal antibody treatment that is known to elicit less adverse side effects. The group has also delved further into understanding the efficacy of daratumumab treatment response. Results from this study will open up avenues for better optimization of treatment with daratumumab to more effectively utilize this exciting therapy for NKTL lymphoma patients.



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