

Wednesday, January 23, 2019

LSC 3 | 12:00 - 1:00PM



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“BRAvE - A proteogenomics platform for personalized treatment stratification in bone marrow involved childhood cancer”

Personalized treatments have significant potential to improve therapy options for high-risk cancers. The approach is still in its infancy and much work is needed to improve its utility and efficacy. This is particularly true for childhood cancers, that, as we are only beginning to appreciate, are fundamentally different from adult malignancies.

To address this, we have started the Better Responses through Avatomics Evidence (BRAvE) Initiative at BC Children's Hospital (BCCH). I will present our work to develop a pipeline that addresses three main goals in the pediatric oncology space: (i) Identify actionable changes and associated targeted therapies by genomics and proteomics; (ii) Increase patient capture to include rapidly progressing cases using a new two-tiered approach combining rapid turnaround of basic analysis at time of relapse and comprehensive characterization prior to relapse; (iii) Treatment stratification and response validation incorporating proteomic evaluation of drug target signaling pathways and response to drug treatment in patient-derived cell based and xenograft (or avatar) models.

Live Online Seminar Viewing:
<https://meet.ubc.ca/hana.kim/YGHMR41Q>

