

DSICCR Tuesday Seminar Series

April 11th, 12pm-1pm, Webcast [Click Here](#)

The HemOnc Knowledgebase: Accelerating Knowledge Representation in Hematology/Oncology

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The cancer journey, from diagnosis to treatment and supportive care, is long and convoluted. Marked improvements in prognosis have been observed since the introduction of systemic anticancer therapy (SACT) 75 years ago, yet for many patients, cancer remains an incurable disease. Understanding pathways of response and progression requires standardized representations of the cancer journey, which have heretofore been lacking. Since 2011, we have been building the largest publicly available curated knowledgebase of cancer treatments, HemOnc.org. With nearly 300 disease-specific pages and approximately 30,000 visitors per year, HemOnc.org is a heavily used resource. In 2019, in collaboration with OHDSI, we began to extract and transform the HemOnc.org content into a computable ontology, HemOnc. This ontology has grown to >100k concepts and >300k relationships, and is becoming an industry standard for SACT knowledge representation. In this seminar, I will give an overview of HemOnc.org, the creation of HemOnc, and several use cases that illustrate the potential value.

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