

**This abstract was submitted to the DTRF Research Workshop in September, 2018.**

**Title:** "Partnering with patients to creating a desmoid tumor dependency map"

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**Abstract:** The success of cancer precision medicine is predicated on the ability to interpret the molecular information of a given tumor with regards to its underlying dependencies. While learning from the patient experience is critical to this goal, an insufficient number and diversity of cancer therapies are currently in use to fully realize this goal solely from clinical information. A complementary approach is the use of large-scale, systematic laboratory efforts to grow cellular models from tumors and map their dependencies. Dr. Boehm will discuss the Broad Institute's Cancer Dependency Map initiative which leverages emerging technologies (creation of patient-derived models, genome-wide CRISPR viability screens and drug repurposing screens) and their application to rare tumors. He will discuss a rapidly growing component of this initiative in which patients with Desmoid Tumors from anywhere in the US can partner with the research team to submit fresh samples for inclusion in the project, and the potential impact of creating a Desmoid Tumor Dependency Map as a community resource.