

Abstract (lay version) of project

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A genetically targeted mouse model of desmoid tumors

An important need for desmoid tumor research is having mouse models that mimic desmoid so that we can work on them and better understand how they behave and react to various therapeutic agents. While such models exist, they only mimi the inherited form of desmoid tumor, which is rare. In this project, mouse models that mimic molecular genetics of the more common form of desmoid tumors will be developed. These animals will be made available to researchers throughout the world for desmoid tumor research. By using the mouse which better mimics the genetics of desmoids, we are hopeful that we can substantially advance the work of scores of researchers throughout the world. These animals can be used to better understand how desmoid tumors grow, and to test new drugs or other therapeutic approaches.