

Project Narrative

Intratumor genetic and transcriptional heterogeneity is a common feature across diverse cancer types, including, chronic lymphocytic leukemia (CLL). Understanding how this heterogeneity impacts clinical outcome and shapes therapeutic resistance is paramount to improving treatment strategies and enabling more personalized cancer treatments. This research proposal will develop statistical methods and computational software to analyze and connect these different aspects of heterogeneity to provide a better understanding of cancer development and progression, using CLL as a primary focus.