Predicting Recurrence in Triple-Negative Breast Cancer Patients through Analysis of the Tumor-Immune Microenvironment

Patwa, Aalok (School: Archbishop Mitty High School)

My research identifies novel ways to predict recurrence in triple-negative breast cancer patients. I used multiplexed ion beam imaging to analyze cell prevalence and protein expression in the tumor-immune microenvironment. My results show that the organization of cells and biomarkers effectively predicts recurrence in TNBC and can help doctors pursue strategic therapies, saving more lives.

Awards Won: