

# Revealing Cells that Drive Breast Cancer Treatment Resistance



*“The development of more effective breast cancer therapies will benefit from a better understanding of how cells within a tumor respond to existing treatments.”*



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**STUDY NAME** Uncovering the origins of eribulin resistance in breast cancer

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**FOCUS** To uncover how resistance to therapy emerges from single tumor cells within breast cancer.

Chemotherapy may lead to changes in cancer cells that alter their sensitivity to treatment. We will use a method of tracing cell lineage using inherited DNA alterations to track breast cancer cells during chemotherapy. Tracking will allow us to identify cell subpopulations within tumors that may be behind therapy resistance, and discover how these cells evolve during treatment.