

PRESENTATION TITLE: *Chemo-genomic screening in AML: a new approach to identify therapeutic strategies in cancer*

ABSTRACT: Capitalizing on newly developed leukemia stem cell culture conditions, we implemented a chemogenomic screen using genetically and clinically characterized acute myeloid leukemia (AML) specimens and a structurally diverse compound collection. Clustering of hits demonstrating similar specimen inhibition patterns generated CCCs (Compound Correlation Clusters) which reveal sensitized target pathways essential to tumor survival. The CCCs therapeutic relevance will be exemplified by the identification of a novel target for poor prognosis AML.