ABSTRACT

INTERROGATORY CELL-BASED ASSAYS AND USES THEREOF

Described herein is a discovery Platform Technology for analyzing a biological system or process (e.g. a disease condition, such as cancer) via model building. In particular, described herein is a method for identifying a modulator of a biological system by establishing a model for the biological system, obtaining a first data set from the model for the biological system, obtaining a second data set from the model for the biological system, and generating a consensus causal relationship network among the expression levels of the plurality of genes and the functional activity or cellular response based solely on the first data set and the second data set using a programmed computing device.

[Figure 7]