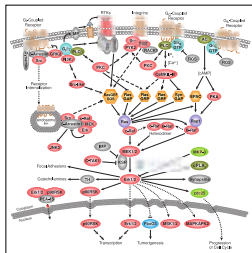
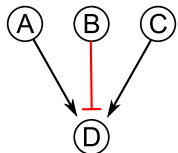


Databases

Literature



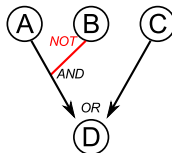
Interaction Graph



- signaling paths
- feedback loops
- dependency analysis

logical
combination
of edges

Logical Model



- qualitative input/output behavior (logical steady state)
- minimal intervention sets
- qualitative (discrete) dynamics

Odefy

Logic-based ODE Model

$$\dot{D}(t) = \frac{1}{\tau} \left(A(t)(1 - B(t))(1 - C(t)) + C(t) - D(t) \right)$$

- quantitative (continuous) dynamics
- application of established tools for ODE model analysis and validation